ONTARIO INTERNATIONAL AIRPORT

SOUTH AIRPORT CARGO CENTER PROJECT

Draft Environmental Impact Report

TECHNICAL APPENDICES
VOLUME I OF II

SCH No. 2021100226

PREPARED FOR:

ONTARIO
INTERNATIONAL AIRPORT

Ontario International Airport Administration Offices
1923 E. Avion Street, Ontario, CA 91761

PREPARED BY:

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MARCH 2023

TABLE OF CONTENTS

Section			Page
1.0	Executive Summary		1.0-1
2.0	Introduction		2.0-1
3.0	Project Description		3.0-1
4.0	Environmental Setting		4.0-1
5.0	Environmental Impact Analysis		5.0-1
	5.1	Aesthetics	5.1-1
	5.2	Air Quality	5.2-1
	5.3	Biological Resources	5.3-1
	5.4	Cultural Resources	5.4-1
	5.5	Energy	5.5-1
	5.6	Geology and Soils	5.6-1
	5.7	Greenhouse Gas Emissions	5.7-1
	5.8	Hazards	5.8-1
	5.9	Hydrology	5.9-1
	5.10	Noise	5.10-1
	5.11	Public Services	5.11-1
	5.12	Transportation	5.12-1
	5.13	Tribal Cultural Resources	5.13-1
	5.14	Utility Services	5.14-1
6.0	Alternatives to the Proposed Project		6.0-1
7.0	Effects Found Not to be Significant		7.0-1
8.0	Other CEQA Considerations		8.0-1
9.0	References		9.0-1
10.0	List of Preparers		10.0-1

Appendices

1.0-1 Notice of Preparation (NOP)

1.0-2 Scoping Meeting Sign-in Sheet and Presentation

1.0-3 NOP Comments

5.2-1 RCH Group. *Air Quality Technical Report for the Ontario International Airport Cargo Development Project*. February 23, 2023.

5.3-1 ELMT Consulting. Inc. *Ontario International Airport South Airport Cargo Center Biological Resources Assessment*. October 2022.

5.4-1 PaleoWest. *Archaeological Resource Assessment for the Ontario Airport South Cargo Center Project*. City Of Ontario. San Bernardino County, California. February 16, 2023.

5.4-2 Desert Research Institute (DRI). *Historic Property Evaluation Report. Ontario International Airport South Airport Cargo Center Project*. Ontario. San Bernardino County, CA. November 2022.

5.5-1 Vehicle Fuel Energy Calculations

5.6-1 Cotton, Shires and Associates, Inc. Consulting Engineers and Geologists. *Geotechnical Investigation*. South Airport Cargo Center (SACC) Ontario International Airport. Ontario, California. June 2022.

5.6-2 PaleoWest. *Paleontological Resource Assessment for Ontario Airport South Cargo Center Project*. City of Ontario. San Bernardino County, California. April 22, 2022.

5.8-1 GSI Environmental. *Phase I Environmental Site Assessment. Proposed 97-Acre Project Magellan Airport Cargo Distribution Center*. Ontario, California. GSI Environmental. December 10, 2021. Revised November 3, 2022.

5.8-2 GSI Environmental. *Phase II Environmental Site Assessment Report. Proposed 97-Acre Project Magellan Airport Cargo Distribution Center*. October 5, 2022. Revised November 3, 2022.

5.9-1 CHA Consulting Inc. *South Airport Cargo Center at Ontario International Airport (SACC) – Preliminary Hydrology Study for CEQA Submission*. January 31, 2022 (Updated December, 23 2022).

5.9-2 City of Ontario Engineering Department. *Preliminary Water Quality Management Plan* (PWQMP). *South Airport Cargo Center*.

5.9-3 Meridian Consultants LLC. *Water Supply Assessment* (WSA) Ontario South Airport Cargo Center Project. July 2022.

5.9-4 Guida Surveying Inc. *ALTA/NSPS Land Title Survey SACC Ontario International Airport*. November 2021.

5.10-1 Crawford, Murphy & Tilly. *South Airport Cargo Center Aircraft Noise Assessment*. Ontario International Airport (ONT). October 13, 2022.

5.10-2 Roadway Noise Worksheets

5.10-3 Construction Noise Worksheets

5.10-4 Construction Vibration Worksheets

5.11-1 Ontario Fire Department. Deputy Chief Mike Gerken. Response to Fire Protection Services Questionnaire. December 2021.

5.11-2 Ontario Police Department. Sergeant Lawrence Bonomo. Response to Police Protection Services Questionnaire. December 2021.

5.11-3 2021 Amended and Restated Agreement to Provide Municipal Services

5.12-1 Fehr & Peers. *Ontario International Airport South Airport Cargo Center Draft Transportation Impact Study* (Traffic Study). March 2023.

5.13-1 Consultation with Native American Tribes

APPENDIX 1.0-1

Notice of Preparation (NOP)

Ontario International Airport Administration Offices

1923 E. Avion Street, Ontario, CA 91761

ALAN D. WAPNER President
RONALD O. LOVERIDGE Vice President
JIM W. BOWMAN Secretary
CURT HAGMAN Commissioner
JULIA GOUW Commissioner

MARK A. THORPE Chief Executive Officer
LORI D. BALLANCE General Counsel
JOHN M. SCHUBERT Treasurer

DATE: October 14, 2021

TO: Office of Planning and Research - State Clearinghouse, Responsible or Trustee Agency, and Interested Parties

SUBJECT: Notice of Preparation (NOP) of Environmental Impact Report (EIR) and Scoping Meeting

PROJECT TITLE: Ontario International Airport South Airport Cargo Center Project

The Ontario International Airport Authority (OIAA) will be the Lead Agency and will prepare a Project EIR for the Proposed South Airport Cargo Center Project (Project). The OIAA requests comments from responsible and trustee agencies as to the scope and content of the Draft EIR germane to each agency's statutory responsibilities related to the Project.

The OIAA was formed in August 2012 by a Joint Powers Agreement between the City of Ontario and the County of San Bernardino to provide overall direction for the management, operations, development, and marketing of the Ontario International Airport (Airport) for the benefit of the Southern California economy and the residents of the four-county area served by the Airport. One of the objectives of the OIAA is to plan for the highest and best use of all Airport property and facilities in a manner consistent with available infrastructure and compatible with surrounding land uses.

The OIAA is required to assess the potential environmental effects of the Project in compliance with the California Environmental Quality Act (CEQA) (Public Resources Code §§21000 et seq.) and State Guidelines for the Implementation of the CEQA of 1970 (CEQA Guidelines), as amended (California Code of Regulations, §§15000 et seq.). After completing preliminary review of the proposed Project, the OIAA has determined that an EIR will be required for the Project. Pursuant to CEQA Guidelines §§ 15060 (d) and 15063(a), an Initial Study was not prepared as the determination was made that an EIR is required.

In accordance with §15082 of the CEQA Guidelines, the OIAA has issued this Notice of Preparation (NOP) to provide responsible agencies, trustee agencies, and other interested parties with information describing the Project and its potential environmental effects.

PROJECT LOCATION: The Project site includes portions of Assessor's Parcel Numbers (APN) 11326106, 11326107, 11326108, 11327101, and 11327102 in the City of Ontario, southwest San Bernardino County. The Project site encompasses approximately 76 acres and is south of the Airport airfield and west of the Cucamonga Canyon Channel. The majority of the Project site is located north of East Avion Street with the remainder of the site located south of East Avion Street and east of South Hellman Avenue. The portion of East Avion Street east of South Hellman Avenue will be realigned to meet East Jurupa Avenue This realignment is a previously planned project undergoing separate environmental review. Regional access is provided by State Route 60 (SR-60), approximately 1.25 mile to the south; Interstate 10 (I-10), one-mile to the north, and I-15 approximately 2.75 miles to the east. Figure 1, *Regional Location,* and Figure 2, *Project Site Location,* illustrate the location of the Project.

APPLICABLE LAND USE CONTROLS: The City of Ontario General Plan land use designation for the Project site is Airport and the site is zoned ONT, Ontario International Airport.[1, 2] The ONT zoning district allows airport terminals (including commercial and service uses related to the terminals), car rental agencies, and airport related industrial, and delivery uses at a maximum intensity of 0.55 floor to area ratio (FAR).

Use of the Project site is also controlled by the Federal Aviation Agency (FAA) and the-approved Ontario International Airport Layout Plan (ALP). The ALP serves as a guide for the Airport's future development and designates the Project site as "Airport Development Areas."[3]

ENVIRONMENTAL SETTING: Figure 3, *Existing Conditions*, provides an aerial view of the Project site and surrounding areas. The Project site is developed with 10 buildings, 6 of which are currently vacant, and includes paved and landscaped areas. The remaining buildings are occupied by the OIAA Administrative Offices, the Airport South Secured Area Access Point (SAAP), and aviation support businesses.

Airport land uses surround the Project site on all four sides. Farther south is the Union Pacific Railroad/Metrolink right-of-way and Mission Boulevard, beyond which are industrial land uses.

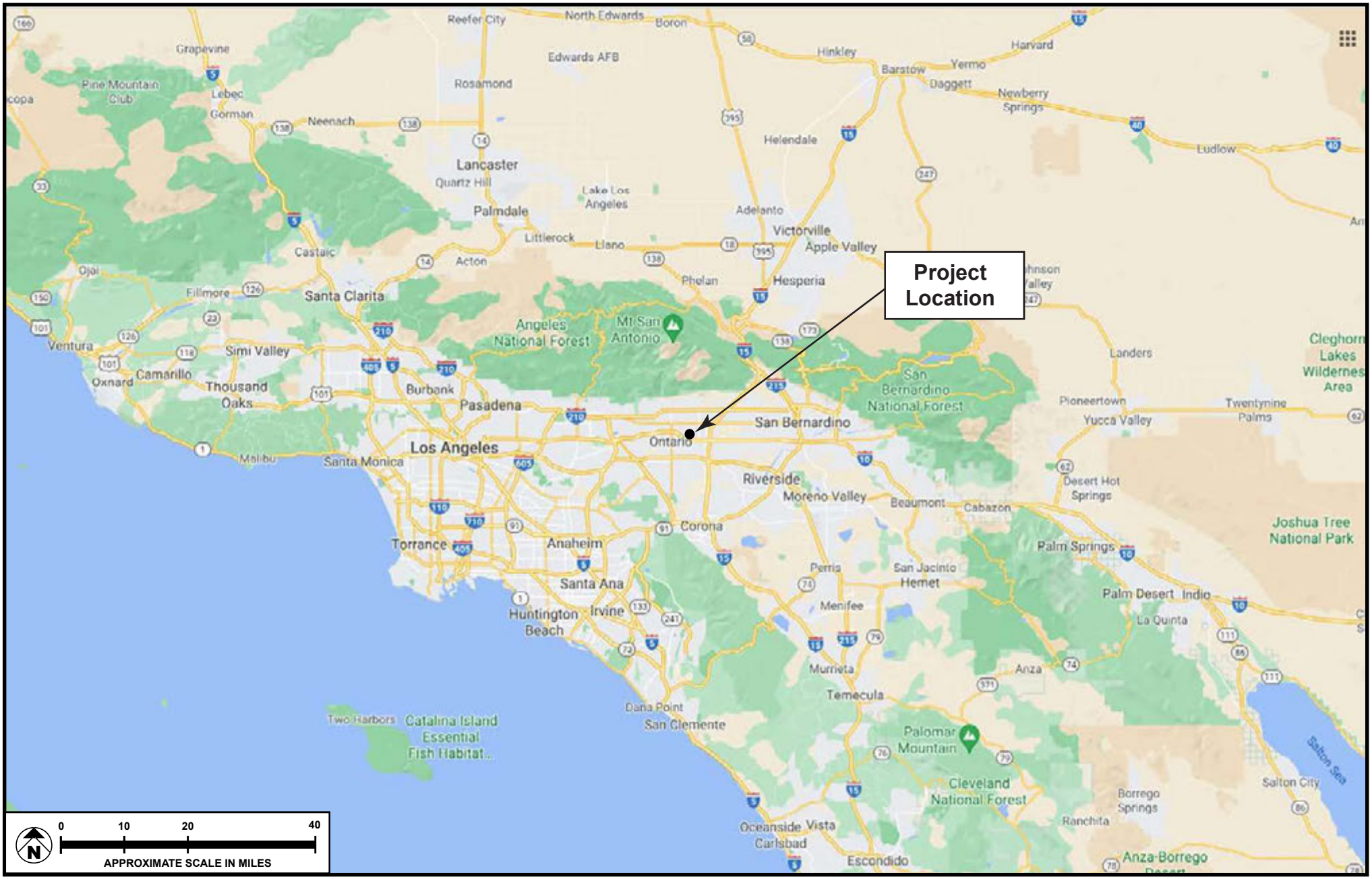
PROJECT DESCRIPTION: The Project includes the proposed relocation of the OIAA Administrative Offices and the South SAAP to other locations at the Airport, demolition of the existing buildings, site improvements on the Project site, and development of an air cargo facility, as illustrated in Figure 4, *Project Site Plan.* The Project includes the development of a main cargo building, aircraft apron improvements, parking structure, roadway improvements, and site improvements, including landscaping and utility improvements.

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1 City of Ontario. The Ontario Plan. Exhibit LU-01, Land Use Plan. Accessed: 2021, October 4. https://www.ontarioplan.org/wp-content/uploads/sites/4/2021/05/TOPLUP_Map24x3610_6_20210524_V_1.

2 ----. Zoning Map. Adopted 2015, December 1, and amended in 2021, February 2. Accessed: 2021, October 4. https://www.ontarioca.gov/sites/default/files/Ontario-Files/Planning/Documents/Zoning%20Map/Zoning_20210212.pdf.

3 Ontario International Airport Authority. Airport Layout Plan Narrative Report. Future Land Use, Sheet 16. 2021, April.



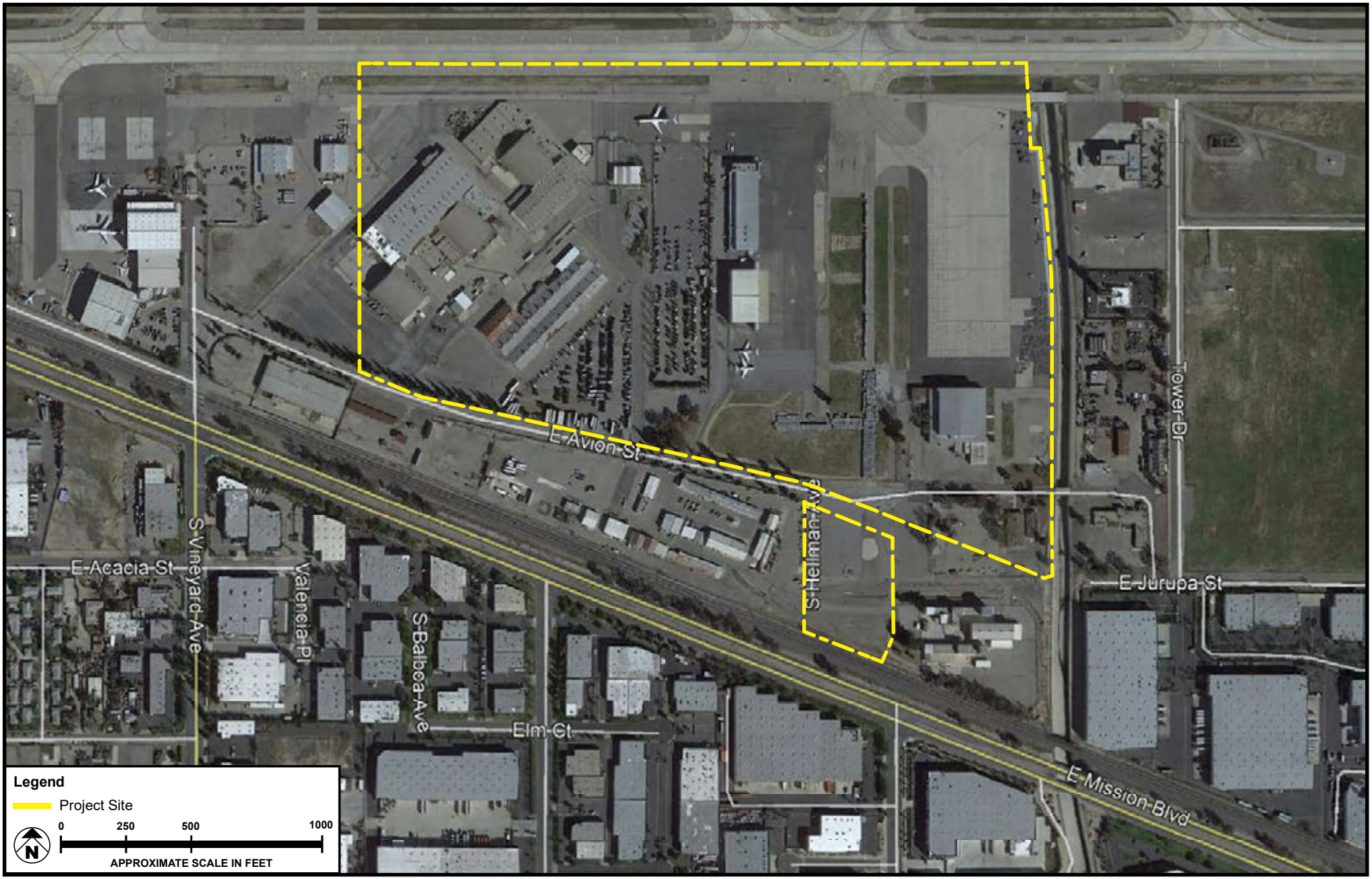
SOURCE: Google Earth - 2021

FIGURE **1**

Meridian Consultants

Regional Location

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SOURCE: Google Earth - 2021

FIGURE **2**

Meridian Consultants

Project Site Location

332-001-21



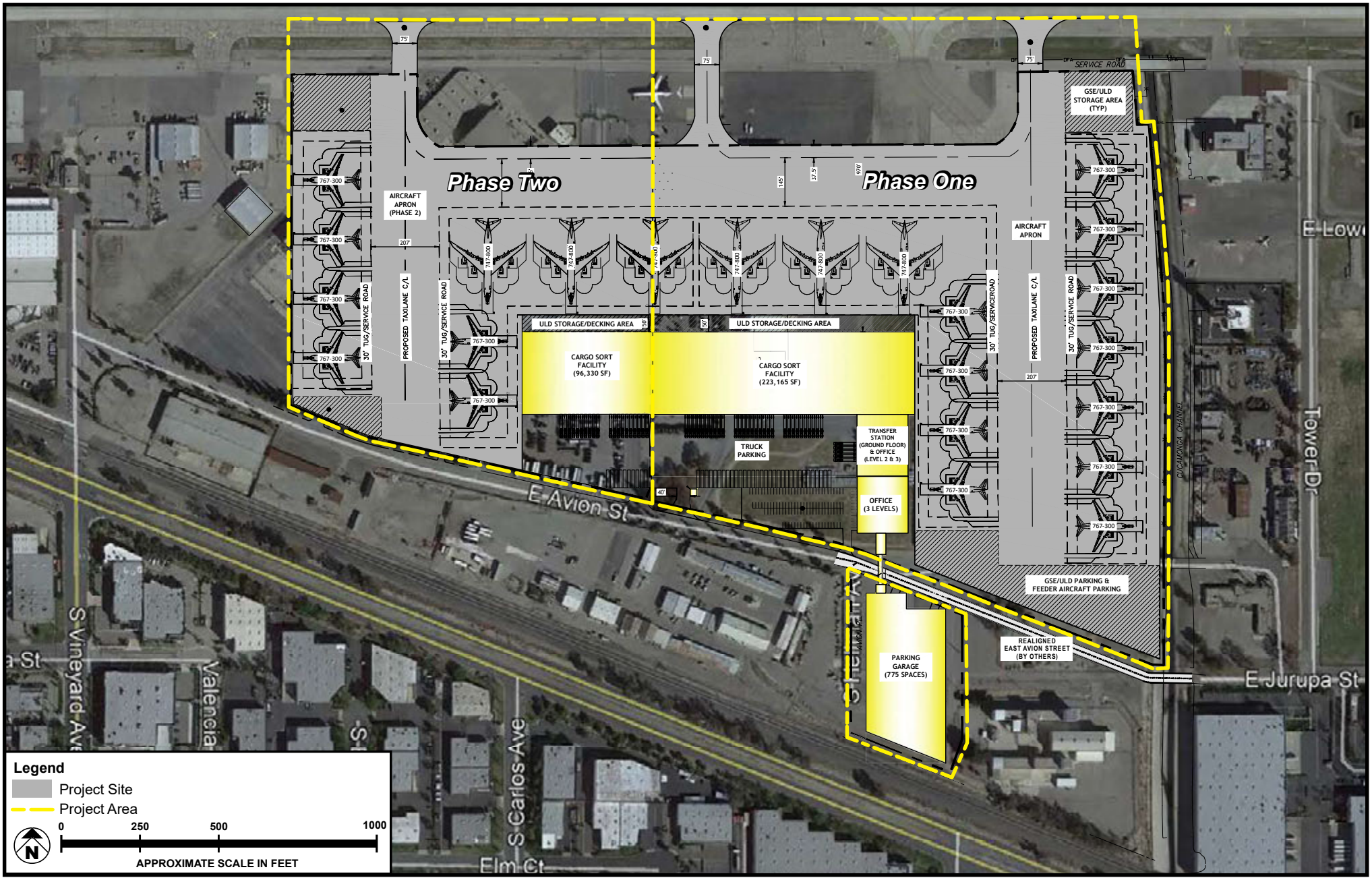
SOURCE: Google Earth - 2021

FIGURE **3**

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Existing Conditions

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SOURCE: Google Earth - 2021

FIGURE **4**

Meridian Consultants

Project Site Plan

332-001-21

Development of the Project is proposed in two phases, dependent on demand and economic conditions. Phase 1 would include the development of the Project on the eastern two-thirds of the Project site, and Phase 2 would include development on the remainder of the site as shown in Figure 4. Completion of Phase 1 by 2024 is proposed. Completion of Phase 2 is anticipated 3-5 years after the opening of Phase 1.

Additional description of the characteristics of each of the components of the Project is provided on the following pages.

a. **Main Cargo Building.** A 60-foot tall, 345,400 square-foot building including material handling equipment and office space for the following functions and activities:

- Material/Cargo Handling Equipment – The building would include mechanized and automated equipment to sort cargo. The equipment would process air-to-air, air-to-ground, and ground-to-air shipments. There would also be equipment for the handling, loading, and unloading of structured aircraft containers.

- Administrative Offices – The building would include 70,000 square feet of office space for operations and management personnel, pilot support, aviation support personnel, and other supporting organizations. The building would also include support rooms for IT and data functions. Washrooms, breakrooms, and a small café would be included in the office environment.

- U.S. Customs and Border Protection (USCBP) – The facility would include areas for USCBP to perform immigration functions for arriving international pilots/crews and customs inspection/clearance activities for importing and exporting cargo. The facility would include equipment for the detection of illicit materials in international cargo.

- Cooler – The main cargo building would have a cargo cooler for temperature sensitive in-transit cargo.

- Airline Support/Line Maintenance – Office areas for airline support personnel and warehouse storage for aircraft line maintenance parts / equipment would be provided.

- Cargo Holding – Areas for short-term storage of cargo related to importing and exporting operations would be constructed.

- Maintenance – Areas for maintenance of the building and material/cargo handling equipment would be provided. This would include both offices, spare parts storage, and mechanical shops.

- Security – Areas for facility security would include offices, building access systems, and physical/ electronic equipment to perform security functions related to airport level security and international cargo processing.

- Forklifts – Areas for charging electrical forklifts would be provided.

- Support Areas – Various support functions for employee welfare would be constructed.

b. **Aircraft Apron.** Existing aircraft pavement and developed areas, totaling approximately 2,600,000 square feet would be redeveloped adjacent to the main cargo building for aircraft parking and circulation and to connect the apron via three taxiway connectors to Taxiway "S". The aircraft apron has been designed for the Project's two largest design aircrafts (B747-800 and B767-300). Twenty-three aircraft parking stalls would be provided, including six spaces that would accommodate B747-800 aircraft and 17 spaces that would accommodate B767-300 aircraft. Other aircraft types can park on the apron within the designated 23 parking stalls. The apron would be secured with physical and electronic methods to meet the security requirements of the Transportation Security Administration (TSA), USCBP, Transported Asset Protection Association (TAPA), and OIAA. The apron improvements include the following components:

- Aircraft Parking Stalls – The aircraft parking apron and taxiway connectors would support international and domestic cargo aircraft. The aircraft parking area would be connected to Taxiway "S" and constructed to FAA standards and guidelines. Each gate and aircraft stand would include fixed point-of-use power supply to the aircraft and areas for unloading and loading the aircraft. The apron would include a stormwater collection system with oil/water separators sized to the fueling operation. Aircraft maintenance activities would also occur in these areas.
- Aircraft In-Ground Fuel System – The aircraft apron would include underground infrastructure and piping for fueling jet aircraft with hydrants at each gate.
- Ground Service Equipment (GSE) – The aircraft would be serviced by GSE that would be powered by battery, hydrogen, and/or petroleum fuels. Parking areas, including areas for maintenance and GSE charging/fueling would be provided adjacent to the aircraft parking apron.
- Apron Lighting – The aircraft parking apron would include site lighting to support nighttime loading and unloading of aircraft and other aircraft servicing functions.
- Universal Load Device (ULD) Handling and Staging – A multistory racking system for short-term storage and staging of structured ULDs (which are the pallets and containers to transport large freight in and out of aircrafts) would be constructed adjacent to the aircraft apron.

c. **Vehicle Parking and Roadway Improvements.** A 104,300 square-foot, three-story (35-foot tall) parking structure is proposed south of East Avion Street, which is currently planned for realignment as a separate project. The parking garage would accommodate 775 automobile parking spaces and would include a pedestrian bridge over East Avion Street to connect the garage to the eastern wing of the main cargo building. An additional 125 surface parking spaces are proposed adjacent to the eastern wing of the building, north of East Avion Street.

d. **Truck Yard.** A 217,000 square-foot truck yard with up to 43 trailer truck spaces is proposed between the main cargo building and East Avion Street, on the south side of the facility, to accommodate multi-modal shipping operations. The truck yard would include 55 truck docks and allow for the staging, parking, loading, and unloading of vans and trucks. The vehicles would support the ground-to-air and air-to-ground cargo operations.

e. **Utility Improvements.** The following utility improvements are proposed:

- Stormwater – A stormwater collection and conveyance system would be designed for stormwater processing and detention to control the release of stormwater to the Cucamonga Canyon Channel.
- Water/Sewer – Water and sewer service would be sized to support employee welfare and operations of the facility. The proposed cargo operations would not require process water.
- Gas Service – A natural gas service would be supplied to the Project site and sized to support building operations.
- Electric Service – Electric service would be provided to support the Project. A standby generator system would be installed to ensure continuous operation in the event of a loss of utility power supply.
- Data/Communication – Fiber, data, and communication lines would be provided to support the Project.

PROBABLE ENVIRONMENTAL EFFECTS: The OIAA has determined based on preliminary review that a Project EIR will be prepared in accordance with CEQA Guidelines §15183, which "mandates that projects consistent with the development density established by existing zoning, community plan or general plan policies for which an EIR was certified shall not require additional environmental review, except as might be necessary to examine whether there are project-specific significant effects which are peculiar to the project or its site." The City's General Plan and zoning were evaluated in The Ontario Plan Final EIR (State Clearinghouse No. 2008101140), which was certified by the City of Ontario. The Project proposes 449,700 square feet of buildings and structures on the 76-acre site, which results in a FAR of approximately 0.14, under the maximum development intensity of 0.55 FAR allowed in the City's ONT zoning district, and in accordance with §15183(d), the proposed Project is consistent with the development density established by the ONT zoning district and The Ontario Plan.

Accordingly, the EIR will evaluate the potential for short- and long-term significant environmental effects specific to the Project. Analysis of the following environmental topics is proposed in the EIR:

- Aesthetics
- Air Quality
- Biological Resources
- Cultural Resources
- Energy
- Geology/Soils
- Greenhouse Gas Emissions
- Hazards/Hazardous Materials
- Hydrology/Water Quality
- Noise
- Public Services (Fire and Police)
- Transportation
- Tribal Cultural Resources
- Utilities/Service Systems

Based on preliminary review, the OIAA has determined the Project will not result in significant environmental effects related to the topics identified below. The Project site includes property at Ontario Airport that has been developed with airport-related uses for decades. The site is developed with existing buildings and site improvements, including paved areas and ornamental landscaping, aircraft taxiway, apron areas, and aircraft and vehicle parking areas, which are similar to those of the proposed Project. For these reasons, detailed analysis of the following topics below is not proposed in the EIR.

- **Agriculture and Forestry Resources** – The Project site is not designated farmland or under a Williamson Act contract.[4] The California Department of Conservation designates the site Urban and Built-Up Land.[5] The site is developed with, and surrounded by, airport related and industrial uses. Due to its location within the Airport and its developed condition, the Project site is not suitable for agricultural and timberland production. Based on these characteristics, the Project would not impact agricultural and timberland resources.

- **Land Use and Planning** – The Project site is designated Airport and zoned ONT, Ontario International Airport. Additionally, the Airport Layout Plan identifies the site as "Airport Development Area," which is the designation for future development.[6] The Project would be consistent with the ALP and ONT zoning district, which would allow development of the proposed cargo facility uses. As the Project would be developed entirely within Airport property and is adjacent to other Airport uses, the Project would not physically divide an established community. The Project would not change land uses on or off Airport property. The Project would conform with applicable OIAA, City of Ontario, and FAA-adopted plans, policies, and regulations. Additionally, as described above, the intensity of development proposed is less than the maximum development intensity of 0.55 FAR allowed in the City's ONT zoning district. Based on this information, the Project would have less-than-significant effects related to Land Use and Planning.

- **Mineral Resources** – According to the Ontario General Plan Final EIR, the City contains no mineral resources of Statewide significance. There are, however, a few sites in the City, the closest of which is approximately one mile to the north, that contain regionally significant mineral resources deposited by the Deer and Day Creek alluvial fan with potential aggregate resources, commonly known as gravel.[7] Project implementation would not impact these sites or result in the loss of regionally and locally-important mineral resources. Based on this information, the Project would have a less than significant effect on mineral resources.

- **Population and Housing** – The Project site contains airport office buildings and support facilities. Therefore, Project implementation would not displace people or result in the demolition of existing housing that would require the construction of replacement housing, and the Project would not impact housing stock. The Project would include utility improvements; however, these would be designed to serve the Project and would not directly or indirectly result in unplanned population growth.

  The Project would increase employment opportunities in the region. Using Southern California Association of Governments' employment generation factor of 1,195 square feet of light industrial space per employee,[8] the Project would create approximately 289 jobs. According to the US Bureau of Labor Statistics, in June 2021, there was an unemployment rate

4 City of Ontario. Status of Williamson Act Contracts. 2017, September 28. http://www.ontarioca.gov/sites/default/files/Ontario-Files/Planning/Ontario-Ranch/williamson_act_status_map_sept._2017.pdf.

5 California Department of Conservation. California Important Farmland: 1984-2018. Site Accessed: 2021, August 20. https://maps.conservation.ca.gov/dlrp/ciftimeseries/.

6 Ontario International Airport Authority. Airport Layout Plan Narrative Report. Future Land Use, Sheet 16. 2021, April.

7 City of Ontario. The Ontario Plan Draft EIR. Figure 5.11-1, Mineral Resource Zones. Accessed: 2021, August 20. https://www.ontarioplan.org/wp-content/uploads/sites/4/2016/05/32084.pdf.

8 Southern California Association of Governments. Employment Density Study Summary Report. 2021, October 31. Prepared by: Natelson Company, Inc.

of 7.9 percent (or 165,600 people were unemployed) in the Riverside-San Bernardino-Ontario area.[9] Accordingly, the Project demand for 289 employees could be met by existing residents in the Riverside-San Bernardino-Ontario area. For this reason, it is not anticipated that the Project would result in unplanned population growth by generating new jobs, and the Project would not trigger the need for new housing. The Project would result in less-than-significant effects related to population and housing.

- **Parks/Recreation** – The City of Ontario contains a variety of recreational opportunities, including regional and City parks, school recreation facilities, private parks and golf courses, and recreational trails for bicycles, horses, and hiking. Park and recreation facilities closest to the Project site include a bicycle corridor along Mission Boulevard and the Cucamonga Creek Multipurpose Trail. Project construction and operation would not directly affect these or other recreation facilities. Therefore, the Project would not result in significant effects on parks and recreation facilities.

- **Public Services (Schools and Other Public Facilities)** – The Project site is within the boundaries of the Ontario-Montclair Elementary School District and Chaffey Joint Union High School District. The Project does not include residential development and would not generate students that would need to be housed at public school facilities. Nevertheless, the Project would comply with applicable laws and regulations, including the payment of school impact fees for the proposed commercial/industrial development that would reduce potential impacts to school facilities to less than significant. The Project would not require any other government services, such as library and public health services; therefore, effects on these other public facilities would not be significant.

- **Wildfire** – The Project site is in a Local Responsibility Area and classified by CAL FIRE as non-VHFHSZ (non-very high fire hazard severity zone).[10] The site and surrounding areas are flat and developed with urban uses that would not contribute to the uncontrolled spread of wildfire or exacerbate potential wildfire risks, including downslope flooding and landslides caused by runoff, slope instability, or drainage changes from wildfire. Furthermore, the Project would not impair adopted emergency response and evaluation plans. The Project would not result in, or be subject to, significant effects related to wildfire risk.

9 U.S. Bureau of Labor Statistics. Riverside-San Bernardino-Ontario, CA. Accessed 2021, August 20. https://www.bls.gov/eag/eag.ca_riverside_msa.htm.

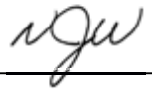
10 CAL Fire - Office of the State Fire Marshal. Fire Hazards Severity Zones. Accessed: 2021, August 20. chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/viewer.html?pdfurl=https%3A%2F%2Fosfm.fire.ca.gov%2Fmedia%2F6783%2Ffhszl_map62.pdf&clen=5909509&chunk=true.

NOP RESPONSE PERIOD: This NOP is being circulated from October 15, 2021, to November 15, 2021. Pursuant to CEQA Guidelines §15082(b), responsible and trustee agencies and other interested parties must submit any comments in response to this notice no later than 30 days after receipt of the notice. Please indicate a contact person for your agency or organization if your agency or organization will be a responsible or trustee agency for this Project and provide input in accordance with CEQA Guidelines §15096(b). Please address your response to:

Ontario International Airport Authority
c/o: Nicole Walker, Environmental Planning Manager
1923 East Avion Street
Ontario, CA 91761
nwalker@flyontario.com

SCOPING MEETING: The Project meets the definition of a project of Statewide, regional, or areawide significance as defined in §15206(b)(2)(E). Therefore, pursuant to State CEQA Guidelines §15082(c)(1), the OIAA will conduct a scoping meeting for the Project to solicit comments of adjacent cities, responsible agencies, trustee agencies, and interested parties as to the appropriate scope and content of the Draft EIR. The meeting details are as follows:

DATE: ~~Thursday~~ Wednesday, November 10, 2021
TIME: 2:00 p.m. (Pacific Time)
PLACE: Ontario International Airport Authority Board Room (1923 E. Avion Street, Room 100, Ontario)



Signature | Environmental Planning Manager | 11.08.2021
Title | Date

APPENDIX 1.0-2

Scoping Meeting Sign-in Sheet and Presentation

ONTARIO INTERNATIONAL AIRPORT

SOUTH AIRPORT CARGO CENTER PROJECT

EIR Scoping Meeting

November 10, 2021

Meridian Consultants

Purpose of Meeting



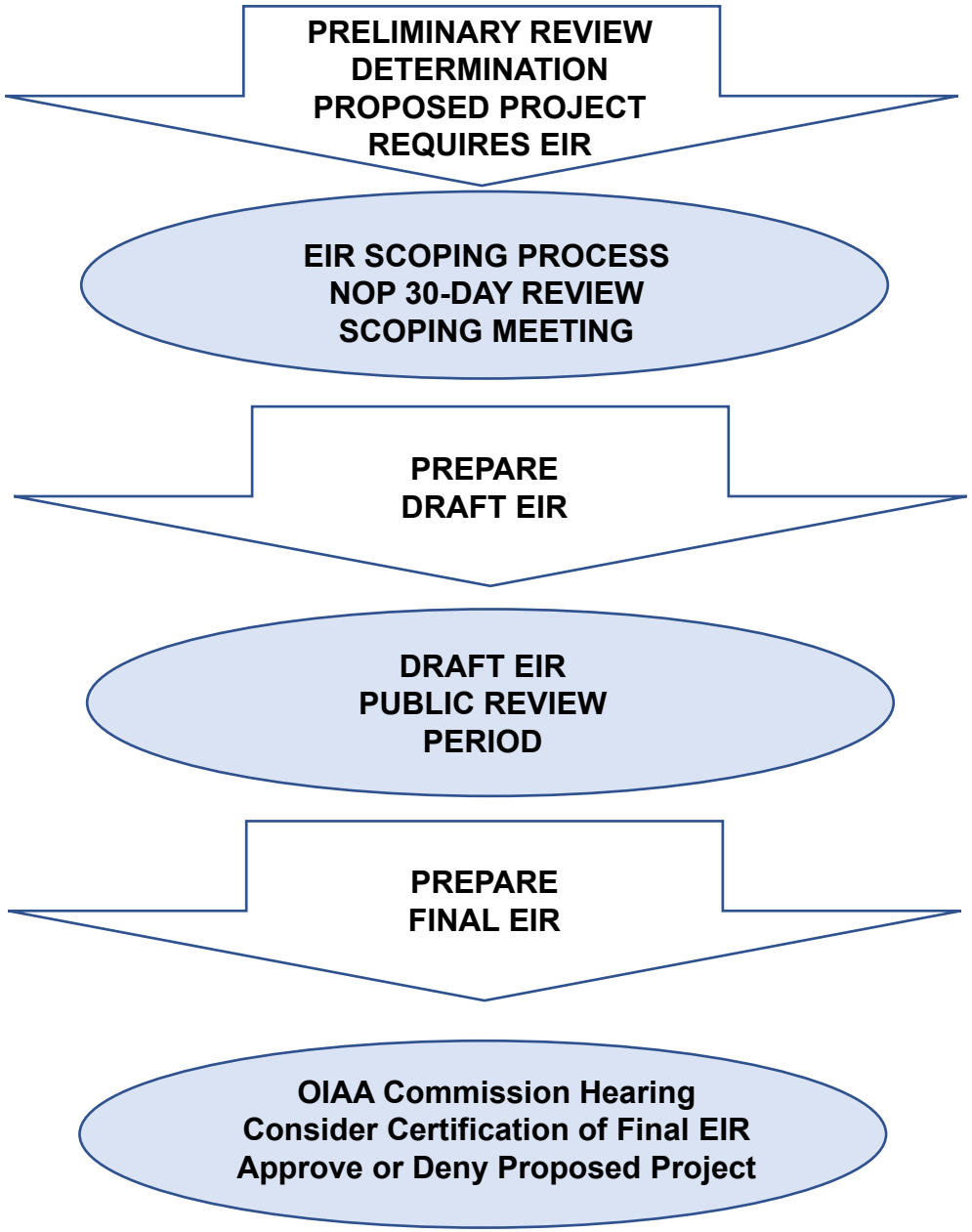
- Allow for input on scope of topics to be analyzed in Draft EIR
- Comments may include:
  (1) Potential environmental effects to be addressed in Draft EIR
  (2) Alternatives to be evaluated in Draft EIR
- Methods for Comments:
  - Verbal at Scoping Meeting
  - Mail or email to OIAA
- Comments must be received no later than November 15, 2021

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California Environmental Quality Act (CEQA) Environmental Review Objectives

Encourage	informed decisions
Identify	ways to minimize or avoid the significant effects of a project
Increase	the public's understanding of the review process
Enhance	public participation in the review process
Promote	coordination between government agencies

EIR Review Process



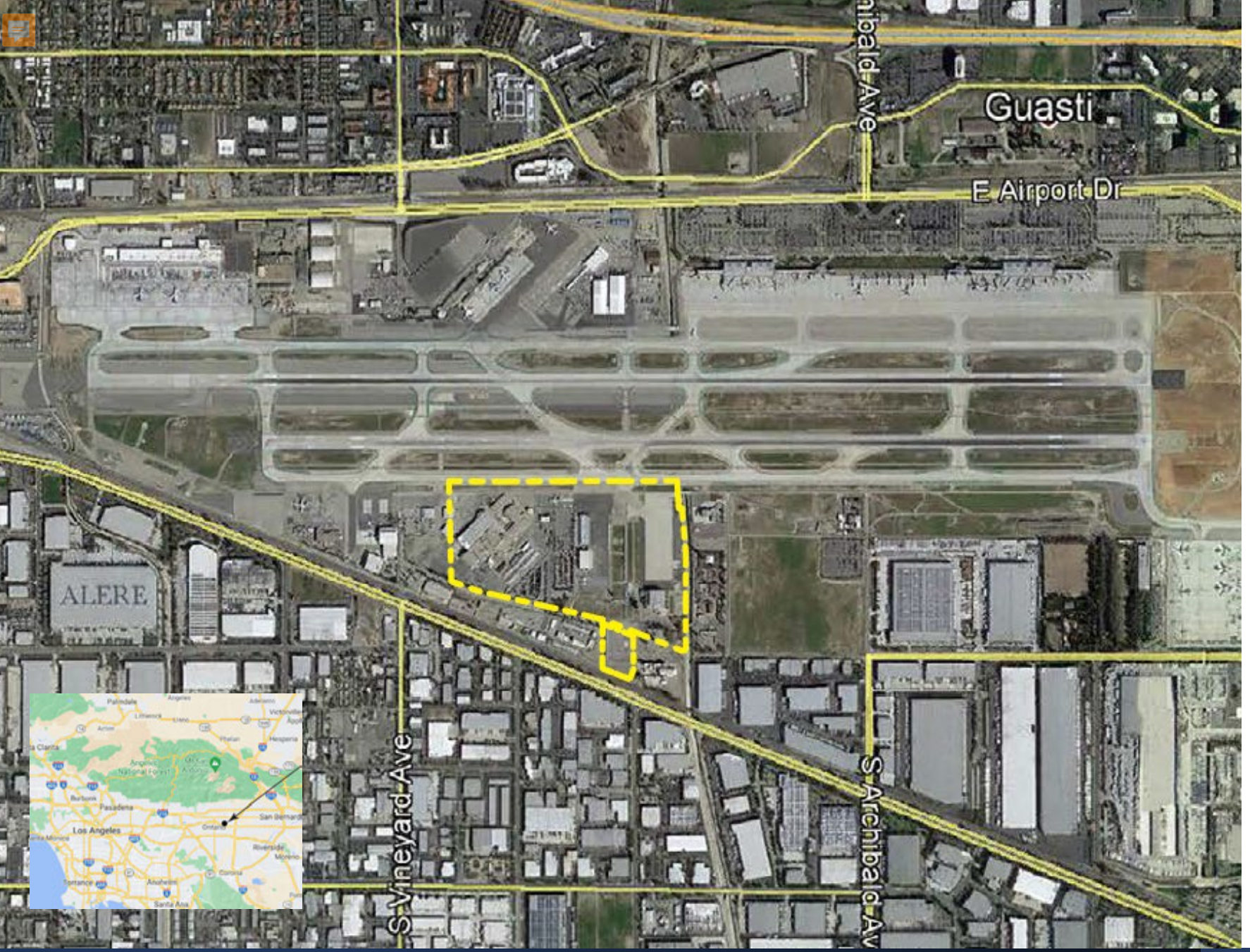
Fall 2021

Winter 2022

Spring 2022

Summer 2022

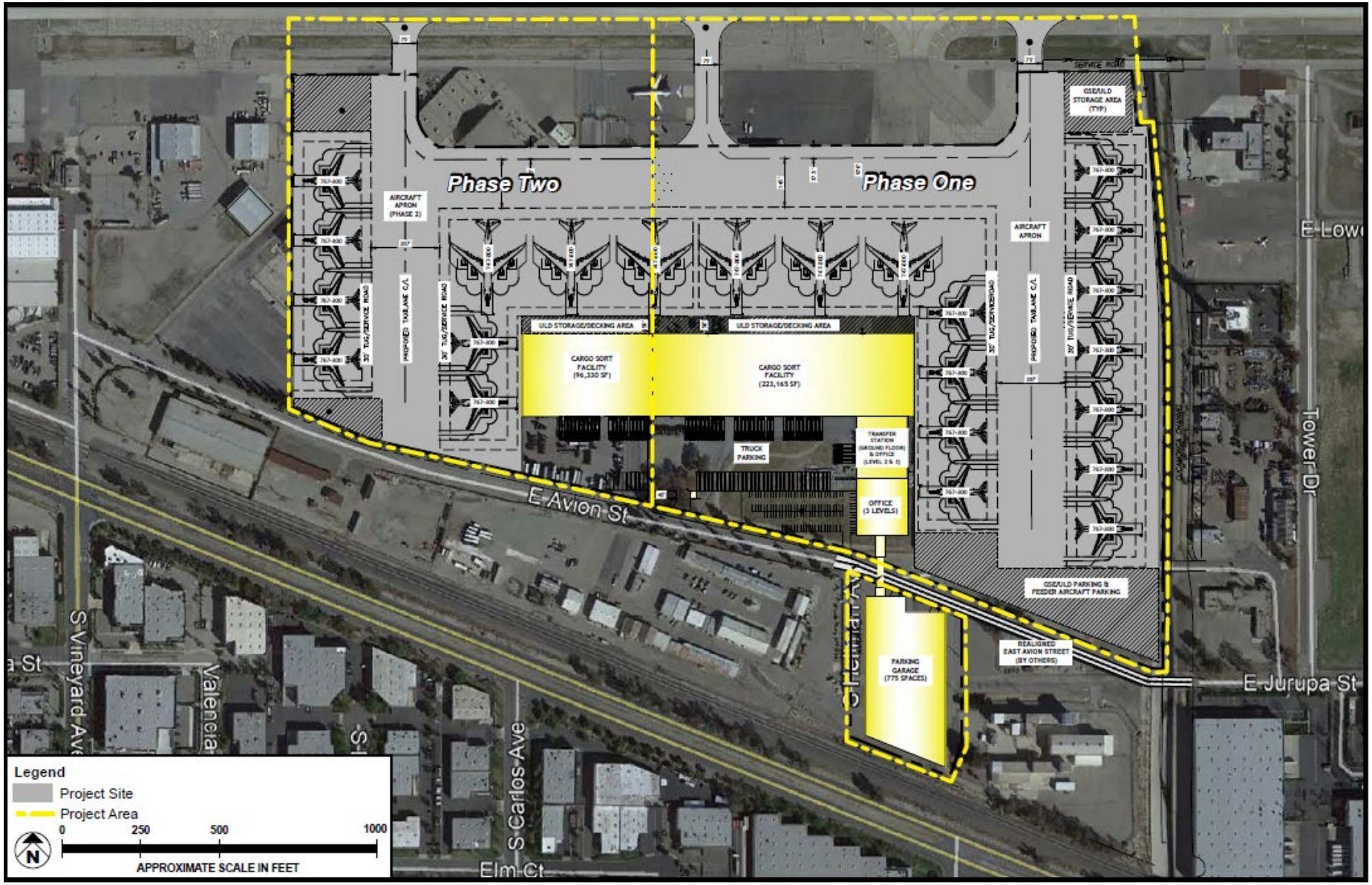
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- The South Airport Cargo Center project is proposed on Ontario International Airport property in the City of Ontario
- Project site is approximately 76 acres
- Airport related land uses surround the Project Site
- South is the Union Pacific Railroad/Metrolink right-of-way and Mission Boulevard, beyond which are industrial land uses



- The Project site is south of the Airport airfield and west of the Cucamonga Canyon Channel
- Majority of site is north of East Avion Street with small portion south of East Avion Street



- Two Development Phases: 2024 and 2029
- Project includes development of
  - Main Cargo Building
  - Aircraft Apron Improvements
  - Parking Structure
  - Internal Roadway Improvements and Site Improvements (Landscaping and Utilities)
- Main Cargo Facility is north of East Avion Street; parking garage is south of East Avion Street, east of South Hellman Avenue

EIR Topics

- Aesthetics
- Air Quality
- Biological Resources
- Cultural Resources
- Energy
- Geology & Soils
- Greenhouse Gas Emissions
- Hazards & Hazardous Materials
- Hydrology & Water Quality
- Noise
- Public Services (Fire & Police)
- Transportation & Traffic
- Tribal Cultural Resources
- Utilities & Service Systems

Meridian Consultants

Thank you. Remember…

- 30-day NOP Review Period:
  October 15, 2021 – November 15, 2021

Ontario International Airport Authority
1923 East Avion Street
Ontario, CA 91761

c/o: Nicole Walker
Environmental Planning Manager
nwalker@flyontario.com

Meridian Consultants

Proposed South Airport Cargo Center Project
EIR Scoping Meeting

November 10, 2021

Name	Agency / Title	Phone Number	Email Address
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ONTARIO
INTERNATIONAL AIRPORT

Proposed South Airport Cargo Center Project
EIR Scoping Meeting

November 10, 2021

Name	Agency / Title	Phone Number	Email Address
1. Elisa Grey	OIAA / DCRE		egrey@flyontario.com
2. Vivian Castro	City of Chino	909. 334. 3307	vcastro@cityofchino.org
3. Miguel Garcia Ramos	Congress / Staff	(909) 481 - 6474	miguel.garciaramos@mail.house.gov
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ONTARIO
INTERNATIONAL AIRPORT

Proposed South Airport Cargo Center Project
EIR Scoping Meeting

November 10, 2021

Name	Agency / Title	Phone Number	Email Address
1. Jack Morgan	City of Chino	909-334-3338	JMorgan@cityofchino.org
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Norma J. Torres
Member of Congress
35th District, CA
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Miguel Garcia Ramos

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Washington, DC 20515
202-225-6161

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Ontario, CA 91764
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APPENDIX 1.0-3

NOP Comments

STATE OF CALIFORNIA Gavin Newsom, Governor

NATIVE AMERICAN HERITAGE COMMISSION

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Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

SECRETARY
Merri Lopez-Keifer
Luiseño

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Russell Attebery
Karuk

COMMISSIONER
William Mungary
Paiute/White Mountain Apache

COMMISSIONER
Julie Tumamait-Stenslie
Chumash

COMMISSIONER
[Vacant]

COMMISSIONER
[Vacant]

COMMISSIONER
[Vacant]

EXECUTIVE SECRETARY
Christina Snider
Pomo

NAHC HEADQUARTERS
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October 20, 2021

Nicole Walker, Environmental Planning Manager
Ontario International Airport Authority
1923 East Avion Street
Ontario, CA 91761

Re: 2021100226, Ontario International Airport South Airport Cargo Center Project, San Bernardino County

Dear Ms. Walker:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements.** If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

- **a.** A brief description of the project.
- **b.** The lead agency contact information.
- **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
- **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

- **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

- **a.** Alternatives to the project.
- **b.** Recommended mitigation measures.
- **c.** Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:

- **a.** Type of environmental review necessary.
- **b.** Significance of the tribal cultural resources.
- **c.** Significance of the project's impacts on tribal cultural resources.
- **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

- **a.** Whether the proposed project has a significant impact on an identified tribal cultural resource.
- **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:

a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:

a. Avoidance and preservation of the resources in place, including, but not limited to:

i. Planning and construction to avoid the resources and protect the cultural and natural context.

ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:

i. Protecting the cultural character and integrity of the resource.

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.

d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).

e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).

f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.

b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.

c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.

b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:

a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.

b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.

a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.

b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.

c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

cc: State Clearinghouse

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

SENT VIA E-MAIL: November 9, 2021

nwalker@flyontario.com
Nicole Walker, Environmental Planning Manager
Ontario International Airport Authority
1923 East Avion Street
Ontario, California 91761

Notice of Preparation of Environmental Impact Report for the Ontario International Airport South Airport Cargo Center Project

South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to comment on the above-mentioned document. Our comments are recommendations on the analysis of potential air quality impacts from the Proposed Project that should be included in the Environmental Impact Report (EIR). Please send a copy of the EIR upon its completion and public release directly to South Coast AQMD as copies of the EIR submitted to the State Clearinghouse are not forwarded. **In addition, please send all appendices and technical documents related to the air quality, health risk, and greenhouse gas analyses and electronic versions of all emission calculation spreadsheets, and air quality modeling and health risk assessment input and output files (not PDF files). Any delays in providing all supporting documentation for our review will require additional review time beyond the end of the comment period.**

CEQA Air Quality Analysis

Staff recommends that the Lead Agency use South Coast AQMD's CEQA Air Quality Handbook and website[1] as guidance when preparing the air quality and greenhouse gas analyses. It is also recommended that the Lead Agency use the CalEEMod[2] land use emissions software, which can estimate pollutant emissions from typical land use development and is the only software model maintained by the California Air Pollution Control Officers Association.

South Coast AQMD has developed both regional and localized significance thresholds. South Coast AQMD staff recommends that the Lead Agency quantify criteria pollutant emissions and compare the emissions to South Coast AQMD's CEQA regional pollutant emissions significance thresholds[3] and localized significance thresholds (LSTs)[4] to determine the Proposed Project's air quality impacts. The localized analysis can be conducted by either using the LST screening tables or performing dispersion modeling.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the Proposed Project and all air pollutant sources related to the Proposed Project. Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road

[1] South Coast AQMD's CEQA Handbook and other resources for preparing air quality analyses can be found at: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook.
[2] CalEEMod is available free of charge at: www.caleemod.com.
[3] South Coast AQMD's CEQA regional pollutant emissions significance thresholds can be found at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf.
[4] South Coast AQMD's guidance for performing a localized air quality analysis can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds.

mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips, and hauling trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers and air pollution control devices), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, such as sources that generate or attract vehicular trips, should be included in the analysis. Furthermore, emissions from the overlapping construction and operational activities should be combined and compared to South Coast AQMD's regional air quality CEQA *operational* thresholds to determine the level of significance.

If the Proposed Project generates diesel emissions from long-term construction or attracts diesel-fueled vehicular trips, especially heavy-duty diesel-fueled vehicles, it is recommended that the Lead Agency perform a mobile source health risk assessment[5].

In the event that implementation of the Proposed Project involves the use of stationary equipment (e.g., emergency generator and fire pump) that requires a permit from South Coast AQMD, South Coast AQMD should be identified as a Responsible Agency for the Proposed Project in the EIR. The assumptions in the air quality analysis in the EIR will be the basis for evaluating the permit under CEQA and imposing permit conditions and limits. Questions on permits should be directed to South Coast AQMD's Engineering and Permitting staff at (909) 396-3385.

Mitigation Measures

In the event that the Proposed Project results in significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized to minimize these impacts. Any impacts resulting from mitigation measures must also be analyzed. Several resources to assist the Lead Agency with identifying potential mitigation measures for the Proposed Project include South Coast AQMD's CEQA Air Quality Handbook[1], South Coast AQMD's Mitigation Monitoring and Reporting Plan for the 2016 Air Quality Management Plan[6], and Southern California Association of Government's Mitigation Monitoring and Reporting Plan for the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy[7].

South Coast AQMD staff is available to work with the Lead Agency to ensure that air quality, greenhouse gas, and health risk impacts from the Proposed Project are accurately evaluated and mitigated where feasible. If you have any questions regarding this letter, please contact me at lsun@aqmd.gov.

Sincerely,

Lijin Sun

Lijin Sun
Program Supervisor, CEQA IGR
Planning, Rule Development & Area Sources

LS
SBC211021-02
Control Number

[5] South Coast AQMD's guidance for performing a mobile source health risk assessment can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis.
[6] South Coast AQMD's 2016 Air Quality Management Plan can be found at: http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2017/2017-mar3-035.pdf (starting on page 86).
[7] Southern California Association of Governments' 2020-2045 RTP/SCS can be found at: https://www.connectsocal.org/Documents/PEIR/certified/Exhibit-A_ConnectSoCal_PEIR.pdf.

Main Office - 825 East Third Street, San Bernardino, CA 92415-0835 | Phone: 909.387.7910 Fax: 909.387.7911

SAN BERNARDINO COUNTY

Department of Public Works

- Flood Control
- Operations
- Solid Waste Management
- Special Districts
- Surveyor
- Transportation

www.SBCounty.gov

Brendon Biggs, M.S., P.E.
Director

David Doublet, M.S., P.E.
Assistant Director

Trevor Leja
Assistant Director

November 9, 2021 File: 10(ENV)-4.01

Ontario International Airport Authority
c/o: Nicole Walker, Environmental Planning Manager
1923 East Avion Street
Ontario, CA 91761
nwalker@flvontario.com

Transmitted Via Email

RE: CEQA –NOTICE OF PREPARATION (NOP) OF A DRAFT ENVIRONMENTAL IMPACT REPORT AND NOTICE OF A PUBLIC SCOPING MEETING FOR THE ONTARIO INTERNATIONAL AIRPORT SOUTH AIRPORT CARGO CENTER PROJECT

Dear Ms. Walker:

Thank you for allowing the San Bernardino County Department of Public Works the opportunity to comment on the above-referenced project. **We received this request on October 25, 2021** and pursuant to our review, we have the following comments:

Permits/Operations Support Division (Sameh Basta, Chief, 909-387-7995):

1. Portions of the Project are adjacent to the San Bernardino County Flood Control District (SBCFCD) right-of-way and facility. Any encroachments on the District's right-of-way or facilities, including but not limited to access, fencing and grading, utility crossings, landscaping, new and/or alteration to drainage connections will require a permit from the SBCFCD prior to start of construction. The necessity for permits, and any impacts associated with them, should be addressed in the EIR prior to adoption and certification. If you have any questions regarding this process, please contact the FCD Permit Section at (909) 387-1863

BOARD OF SUPERVISORS
Col. Paul Cook (Ret.) First District | Janice Rutherford Second District | Dawn Rowe Vice Chair, Third District | Curt Hagman Chairman, Fourth District | Joe Baca, Jr. Fifth District
Leonard X. Hernandez Chief Executive Officer

Environmental Management Division (Jonathan Dillon, PWE III, Stormwater Program, 909-387-8119):

1. The project should follow the requirements laid out in the most current MS4 permit and Construction General Permit, compliance measure should be laid out in the EIR section for hydrology/water quality. Impacts to Hydrology/Water Quality and proposed mitigation for those impacts should be disclosed in the EIR prior to certification or adoption.

We respectfully request to be included on the circulation list for all project notices, public reviews, or public hearings. In closing, I would like to thank you again for allowing the San Bernardino County Department of Public Works the opportunity to comment on the above-referenced project. Should you have any questions or need additional clarification, please contact the individuals who provided the specific comment, as listed above.

Sincerely,

Michael Perry

MICHAEL R. PERRY
Supervising Planner
Environmental Management

MP:AJ:nl

CITY OF ONTARIO

303 EAST B STREET | ONTARIO, CALIFORNIA 91764

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ALAN D. WAPNER
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TREASURER

SCOTT OCHOA
CITY MANAGER

November 10, 2021

Ontario International Airport Authority
c/o Nicole Walker, Environmental Planning Manger
1923 East Avion Street
Ontario, CA 91761

Ontario International Airport South Airport Cargo Center (SCH No. 2021100226)- Project Notice of Preparation (NOP) of Environmental Impact Report (EIR) and Scoping Meeting

Ms. Walker,

The City of Ontario Planning Department appreciates the opportunity to comment on the above-mentioned project. The project proposes demolition of existing buildings, site improvements, and development of an air cargo facility. We offer the following comments and recommendations regarding the analysis of potential cultural resource impacts from the proposed project that should be included in the project Draft EIR. Please send with the Draft EIR, all appendices or technical documents related to cultural resources.

In 2016, the City of Ontario received a Certified Local Government (GLG) grant to *develop a historic context statement for the Ontario International Airport (ONT)* and *conduct an intensive level survey of aviation related properties older than 45 years* located within the bounds of ONT properties. City staff and ASM Affiliates, architectural preservation consultants, partnered with local non-profit preservation advocacy group, Ontario Heritage, and staff members from the Ontario International Airport Authority (OIAA) on the project. As a result of the survey, 3 historic districts (containing 18 contributors) and 9 individual buildings were identified as "Eligible" for local, state, and national registers based on local historic significance. Seven of the individually "Eligible" buildings were also found to be contributors to their perspective historic district. All other buildings within the survey boundary were determined to be ineligible for listing, and therefore, not historic. The table below summarizes historic resource eligibility findings and the local government action taken to list properties to local inventory. Once these properties were added to the inventory, they were then "ranked" based on Tier criteria contained in Section 4.02.040, Historic Preservation- Local Historic Landmark and Local District Designation, Historic Resource Tiering and Architectural Conservation Areas, of the Ontario Development Code.

Reconnaissance and intensive level survey record for each potential historic resource is attached to the ONT Historic Context (link below). The project also delivered a short history video with interviews with Ron Smith (Retired Tech Sargent Metal Shop for Air National Guard), Don Davidson (former Head of

Quality for GE Aviation in Ontario), Skip Bowling (President of Lockheed Aircraft Services in Ontario), Bill Wheeler (Air Traffic Controller at ONT), and Richard Delman (Local historian, pilot and owner of Otto Instruments). Please let me know if you have interest in the viewing the footage which served to inform the development of the historic context.

Ontario International Airport Historic Context and Survey:
https://www.ontarioca.gov/sites/default/files/Ontario-Files/Planning/Historic_Preservation/Historic%20Contexts/ONT%20Historic%20Context.pdf

Ontario Register of Historic Resources (local inventory):
https://www.ontarioca.gov/sites/default/files/Ontario-Files/Planning/Historic_Preservation/List%20of%20Historic%20Resources_web_20210930.pdf

Table. Survey Eligibility Findings and Local Government action

Name of Property	Theme/Sub-theme	NRHP Criteria	CRHR Criteria	Local Criteria	Tier (Local Action)
Lockheed Aircraft Services Historic District (10 Contributors)	Commercial Aviation, 1946-1967/ Aviation Support Services, 1952-1967	A,C	1	District 1-3	Tier I File No. PHP17-026
Terminal One Historic District (4 Contributors)	Civil Aviation, 1950-1967/Early Passenger Travel, 1950-1967/ Modernism and Aviation, 1955–1970	A,C	1	District 1-3	Tier I File No. PHP17-027
GE Aircraft Engines Historic District (4 Contributors)	Commercial Aviation, 1946-1967/ Aviation Support Services, 1952-1967/ Modernism and Aviation, 1955–1970	A	1	District 1-3	Tier I File No. PHP17-029
Lockheed Executive Office Building (Bldg. 10)	Aviation and Architecture, 1942-1975/ Modernism and Aviation, 1955-1970	C	3	Individual c-d, f-h	Tier I
Lockheed Cafeteria (Bldg. 11)	Aviation and Architecture, 1942-1975/ Modernism and Aviation, 1955-1970	C	3	Individual c-d, f-h	Tier I
Terminal One Building	Civil Aviation, 1950-1967/ Early Passenger Travel, 1950-1967/ Modernism and Aviation, 1955–1970	A, C	1, 3	Individual c-d, f-h	Tier I
Control Tower	Civil Aviation, 1950-1967/ Early Passenger Travel, 1950-1967	A	1, 3	Individual d, f-h	Tier I
Air National Guard Hangar	Aviation and Architecture, 1942-1975/ Developments in Construction Technology, 1942-1975	C	3	Individual d, f-h	Tier II File No. PHP17-028
Lockheed Hangar 2	Aviation and Architecture, 1942-1975/ Developments in Construction Technology, 1942-1975	C	3	Individual d, f-h	Tier I
Lockheed Hangar 4	Aviation and Architecture, 1942-1975/ Developments in Construction Technology, 1942-1975	C	3	Individual d, f-h	Tier I
Lockheed Hangar 6	Aviation and Architecture, 1942-1975/ Developments in Construction Technology, 1942-1975	C	3	Individual d, f-h	Tier I

Aerojet-General Hangar	Aviation and Architecture, 1942-1975/ Developments in Construction Technology, 1942-1975	C	3	Individual d, f-h	Tier II File No. PHP17-030

Within the project site are 2 historic resources, *the Air National Guard Hangar* (individual landmark) and *the GE Aircraft Engines Historic District* (4 contributing buildings), that are eligible for listing on the National Register of Historic Places and are listed on the Ontario Register of Historic Resources (local inventory) pursuant to Section 7.0.010, the Ontario Register of Historic Resources, and Section .

The Planning Department recommends the environmental documentation (CEQA and NEPA) analyze alternatives to demolition which includes project avoidance, adaptive reuse of historic buildings, and relocation of buildings with the intent to minimize significant impacts to historic resources. If determined that alternatives to demolition are not feasible, then the project will result in significant and unavoidable impacts that will require mitigation measures.

Mitigation measures for the loss of historic resources may include Historic American Building Survey (HABS) documentation, salvage of architectural features and material, interpretative history or museum located within the airport boundary that is easily accessible to the public, historic context, payment of mitigation fees, naming streets/buildings after GE Aviation and the Air National Guard within project site, adaptive reuse study of airport hangars, and any other measure deemed appropriate.

If you should have any questions, please contact Diane Ayala, Senior Planner at (909) 395-2428 or myself at (909) 395-2422.

Sincerely,

Rudy Zeledon, Planning Director
CITY OF ONTARIO PLANNING DEPARTMENT

c: Scott Murphy, Community Development Executive Director, AICP

SCAG
INNOVATING FOR A BETTER TOMORROW

SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS
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November 15, 2021

Ms. Nicole Walker, Environmental Planning Manager
Ontario International Airport Authority
1923 East Avion Street
Ontario, California 91761
E-mail: nwalker@flyontario.com

RE: SCAG Comments on the Notice of Preparation of a Draft Environmental Impact Report for the Ontario International Airport South Airport Cargo Center Project [SCAG NO. IGR10499]

Dear Ms. Walker,

Thank you for submitting the Notice of Preparation of a Draft Environmental Impact Report for the Ontario International Airport South Airport Cargo Center Project ("proposed project") to the Southern California Association of Governments (SCAG) for review and comment. SCAG is responsible for providing informational resources to regionally significant plans, projects, and programs per the California Environmental Quality Act (CEQA) to facilitate the consistency of these projects with SCAG's adopted regional plans, to be determined by the lead agencies.[1]

Pursuant to Senate Bill (SB) 375, SCAG is the designated Regional Transportation Planning Agency under state law and is responsible for preparation of the Regional Transportation Plan (RTP) including the Sustainable Communities Strategy (SCS). SCAG's feedback is intended to assist local jurisdictions and project proponents to implement projects that have the potential to contribute to attainment of Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) goals and align with RTP/SCS policies. Finally, SCAG is also the authorized regional agency for Inter-Governmental Review (IGR) of programs proposed for Federal financial assistance and direct Federal development activities, pursuant to Presidential Executive Order 12372.

SCAG staff has reviewed the Notice of Preparation of a Draft Environmental Impact Report for the Ontario International Airport South Airport Cargo Center Project in San Bernardino County. The proposed project includes the relocation of the airport's administrative offices and South Secured Area Access Point to other locations at the airport; demolition of existing buildings; and development of a 345,400 square foot (SF) cargo building, 2,600,000 SF aircraft apron with 23 aircraft parking stalls, a 104,300 SF parking structure and surface parking lot totaling 900 spaces, a 217,000 SF truck yard with 55 docks, and utility improvements on 76 acres.

When available, please email environmental documentation to *IGR@scag.ca.gov* providing, at a minimum, the full public comment period for review.

If you have any questions regarding the attached comments, please contact the Intergovernmental Review (IGR) Program, attn.: Anita Au, Senior Regional Planner, at (213) 236-1874 or IGR@scag.ca.gov. Thank you.

Sincerely,

Frank Wen, Ph.D.
Manager, Planning Strategy Department

[1] Lead agencies such as local jurisdictions have the sole discretion in determining a local project's consistency with the 2020 RTP/SCS (Connect SoCal) for the purpose of determining consistency for CEQA.

COMMENTS ON THE NOTICE OF PREPARATION OF A DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE ONTARIO INTERNATIONAL AIRPORT SOUTH AIRPORT CARGO CENTER PROJECT [SCAG NO. IGR10499]

CONSISTENCY WITH CONNECT SOCAL

SCAG provides informational resources to facilitate the consistency of the proposed project with the adopted 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS or Connect SoCal). For the purpose of determining consistency with CEQA, lead agencies such as local jurisdictions have the sole discretion in determining a local project's consistency with Connect SoCal.

CONNECT SOCAL GOALS

The SCAG Regional Council fully adopted Connect SoCal in September 2020. Connect SoCal, also known as the 2020 – 2045 RTP/SCS, builds upon and expands land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. The long-range visioning plan balances future mobility and housing needs with goals for the environment, the regional economy, social equity and environmental justice, and public health. The goals included in Connect SoCal may be pertinent to the proposed project. These goals are meant to provide guidance for considering the proposed project. Among the relevant goals of Connect SoCal are the following:

SCAG CONNECT SOCAL GOALS	
Goal #1:	*Encourage regional economic prosperity and global competitiveness*
Goal #2:	*Improve mobility, accessibility, reliability and travel safety for people and goods*
Goal #3:	*Enhance the preservation, security, and resilience of the regional transportation system*
Goal #4:	*Increase person and goods movement and travel choices within the transportation system*
Goal #5:	*Reduce greenhouse gas emissions and improve air quality*
Goal #6:	*Support healthy and equitable communities*
Goal #7:	*Adapt to a changing climate and support an integrated regional development pattern and transportation network*
Goal #8:	*Leverage new transportation technologies and data-driven solutions that result in more efficient travel*
Goal #9:	*Encourage development of diverse housing types in areas that are supported by multiple transportation options*
Goal #10:	*Promote conservation of natural and agricultural lands and restoration of habitats*

For ease of review, we encourage the use of a side-by-side comparison of SCAG goals with discussions of the consistency, non-consistency or non-applicability of the goals and supportive analysis in a table format. Suggested format is as follows:

SCAG CONNECT SOCAL GOALS		
	Goal	Analysis
Goal #1:	*Encourage regional economic prosperity and global competitiveness*	*Consistent: Statement as to why;* *Not-Consistent: Statement as to why;* *Or* *Not Applicable: Statement as to why;* *DEIR page number reference*
Goal #2:	*Improve mobility, accessibility, reliability and travel safety for people and goods*	*Consistent: Statement as to why;* *Not-Consistent: Statement as to why;* *Or* *Not Applicable: Statement as to why;* *DEIR page number reference*
etc.		etc.

Connect SoCal Strategies

To achieve the goals of Connect SoCal, a wide range of land use and transportation strategies are included in the accompanying twenty (20) technical reports. Of particular note are multiple strategies included in Chapter 3 of Connect SoCal intended to support implementation of the regional Sustainable Communities Strategy (SCS) framed within the context of focusing growth near destinations and mobility options; promoting diverse housing choices; leveraging technology innovations; supporting implementation of sustainability policies; and promoting a Green Region. To view Connect SoCal and the accompanying technical reports, please visit the Connect SoCal webpage. Connect SoCal builds upon the progress from previous RTP/SCS cycles and continues to focus on integrated, coordinated, and balanced planning for land use and transportation that helps the SCAG region strive towards a more sustainable region, while meeting statutory requirements pertinent to RTP/SCSs. These strategies within the regional context are provided as guidance for lead agencies such as local jurisdictions when the proposed project is under consideration.

DEMOGRAPHICS AND GROWTH FORECASTS

A key, formative step in projecting future population, households, and employment through 2045 for Connect SoCal was the generation of a forecast of regional and county level growth in collaboration with expert demographers and economists on Southern California. From there, jurisdictional level forecasts were ground-truthed by subregions and local agencies, which helped SCAG identify opportunities and barriers to future development. This forecast helps the region understand, in a very general sense, where we are expected to grow, and allows SCAG to focus attention on areas that are experiencing change and may have increased transportation needs. After a year-long engagement effort with all 197 jurisdictions one-on-one, 82 percent of SCAG's 197 jurisdictions provided feedback on the forecast of future growth for Connect SoCal. SCAG also sought feedback on potential sustainable growth strategies from a broad range of stakeholder groups – including local jurisdictions, county transportation commissions, other partner agencies, industry groups, community-based organizations, and the general public. Connect SoCal utilizes a bottom-up approach in that total projected growth for each jurisdiction reflects feedback received from jurisdiction staff, including city managers, community development/planning directors, and local staff. Growth at the neighborhood level (i.e., transportation analysis zone (TAZ) reflects entitled projects and adheres to current general and specific plan maximum densities as conveyed by jurisdictions (except in cases where entitled projects and development agreements exceed these capacities as calculated by SCAG). Neighborhood level growth projections also feature strategies that help to reduce greenhouse gas emissions (GHG) from automobiles and light trucks to achieve Southern California's GHG reduction target, approved by the California Air Resources Board (CARB) in accordance with state planning law. Connect SoCal's Forecasted Development Pattern is utilized for long range modeling purposes and does not supersede actions taken by elected bodies on future development, including entitlements and development agreements. SCAG does not have the authority to implement the plan -- neither through decisions about what type of development is built where, nor what transportation projects are ultimately built, as Connect

SoCal is adopted at the jurisdictional level. Achieving a sustained regional outcome depends upon informed and intentional local action. To access jurisdictional level growth estimates and forecasts for years 2016 and 2045, please refer to the Connect SoCal Demographics and Growth Forecast Technical Report. The growth forecasts for the region and applicable jurisdictions are below.

	Adopted SCAG Region Wide Forecasts				Adopted San Bernardino County Forecasts			
	Year 2020	**Year 2030**	**Year 2035**	**Year 2045**	**Year 2020**	**Year 2030**	**Year 2035**	**Year 2045**
Population	19,517,731	20,821,171	21,443,006	22,503,899	2,249,744	2,473,709	2,594,733	2,814,941
Households	6,333,458	6,902,821	7,170,110	7,633,451	667,637	750,565	792,938	874,796
Employment	8,695,427	9,303,627	9,566,384	10,048,822	833,640	925,934	971,543	1,063,848

MITIGATION MEASURES

SCAG staff recommends that you review the Final Program Environmental Impact Report (Final PEIR) for Connect SoCal for guidance, as appropriate. SCAG's Regional Council certified the PEIR and adopted the associated Findings of Fact and a Statement of Overriding Considerations (FOF/SOC) and Mitigation Monitoring and Reporting Program (MMRP) on May 7, 2020 and also adopted a PEIR Addendum and amended the MMRP on September 3, 2020 (please see the PEIR webpage and scroll to the bottom of the page for the PEIR Addendum). The PEIR includes a list of project-level performance standards-based mitigation measures that may be considered for adoption and implementation by lead, responsible, or trustee agencies in the region, as applicable and feasible. Project-level mitigation measures are within responsibility, authority, and/or jurisdiction of project-implementing agency or other public agency serving as lead agency under CEQA in subsequent project- and site- specific design, CEQA review, and decision-making processes, to meet the performance standards for each of the CEQA resource categories.

EUNICE M. ULLOA
Mayor

MARC LUCIO
Mayor Pro Tem



KAREN C. COMSTOCK
CHRISTOPHER FLORES
WALT POCOCK
Council Members

MATTHEW C. BALLANTYNE
City Manager

CITY of CHINO

November 15, 2021

Ontario International Airport Authority
c/o Nicole Walker, Environmental Planning Manager
1923 East Avion Street
Ontario, CA 91761
nwalker@flyontario.com

RE: City of Chino Comments on Proposed South Airport Cargo Center Project (Project)

Dear Ms.Walker:

Please find the following in response to Ontario International Airport Authority's (OIAA) request for comments from responsible agencies on the proposed South Airport Cargo Center Project (Project). These comments address the scope and content of the Notice of Preparation (NOP) of an Environmental Impact Report (EIR) relevant to potential impacts on the City of Chino (City) from the proposed Project.

The City understands that the OIAA is the Lead Agency and will prepare an EIR in compliance with the California Environmental Quality Act (CEQA). Given the scope and potential impacts of the Project and proposed actions, we stress the applicability of the National Environmental Policy Act (NEPA), which would also prepare an Environmental Impact Statement (EIS) to include a noise study (per 14CFR PART 150) of ground, air, and land use for future environmental impacts to the Project area and surrounding communities. This study would also facilitate federal programs to mitigate noise, water, and air quality issues while utilizing a professional third-party expert to conduct the needed analyses per Federal Aviation Administration (FAA) Order 1050.1.

During the November 10, 2021 Scoping Meeting, Project Consultants and OIAA staff stressed that the proposed Project is in preliminary stages and discussions with FAA are just beginning. Based on the information provided to date, the City believes the EIR must evaluate both the long term and short-term, as well as cumulative environmental impacts of the Project, with emphasis placed on noise, air quality, traffic and safety. Specific requirements include:

- Comprehensive computer modeling using the FAA standard Aviation Environmental Design Tool (AEDT), a software system that dynamically models aircraft performance in space and time to produce fuel burn, air emissions, and noise. The AEDT must evaluate various project alternatives and a no-project alternative to enable quantitative assessment of the impacts.

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Mailing Address: P.O. Box 667, Chino, California 91708-0667
(909) 334-3250 • (909) 334-3720 Fax
Web Site: www.cityofchino.org

- A sleep interference assessment is required to determine the degree of awakenings and other effects upon the residential communities from the increased aircraft operations.
- Revision of air traffic patterns for arrivals and departures to limit the low-flying aircraft currently awakening neighbors near the airport. The sleep interference study must assess the effects of this mitigation program.
- With the increased noise impact on surrounding communities, criteria must be developed for noise mitigation of residences, schools, and health care facilities. One likely mitigation plan is a sound insulation program (SIP) like that already affected for homes near Ontario International Airport (ONT).
- A separate noise study is also necessary to determine the noise impact of additional car and heavy truck traffic generated by the proposed Project.
- A study is required for the traffic effects on surrounding communities from increased surface traffic, for automobile and heavy truck transport to and from the proposed cargo facilities.
- The specific effects on climate change, due to emission of CO2 and methane from aircraft taxiing, takeoffs and landings, surface vehicular traffic, and fuel storage must be quantified.
- A crash hazard potential study is required to determine the potential for aircraft crashes in the surrounding communities and the possible effects on insurance rates for homeowners.
- Mitigation measures must be evaluated and assessed for all environmental effects.

Please address and/or notify our contact person for any/or all information or notices relative to your project:

Warren Morelion, AICP
City Planner
City of Chino
13220 Central Avenue
Chino, CA 91710

We urge the Federal Aviation Administration to prepare an EIS to comply with obligations under NEPA. The EIS should contain comprehensive analyses of alternatives and mitigation measures for the significant impacts of the proposed actions. Fulfilling the FAA's obligation under NEPA to fully evaluate the potential to significantly affect the quality of the human environment will also provide an extended opportunity to work with the local community to jointly develop mitigation measures to improve the Project and reduce its effects on the community.

The City appreciates this opportunity to comment on the proposed Project and looks forward to working with OIAA and the FAA toward a legally supportable environmental review and successful implementation of an environmentally compliant and properly mitigated Ontario International Airport South Airport Cargo Center Project.

We look forward to working with you to ensure that mitigation, avoidance, and minimization measures that protect our residents are implemented as a condition of approval of EIR and EIS approval.

Sincerely,

Eunice M. Ulloa
Mayor

cc: Congresswoman Norma Torres
Alan Wapner, President, OIAA
Ronald Loveridge, Vice President, OIAA
Jim Bowman, Secretary, OIAA
Curt Hagman, Commissioner, OIAA
Julia Gouw, Commissioner, OIAA
Scott Ochoa, City Manager, City of Ontario

APPENDIX 5.2-1

RCH Group. Air Quality Technical Report for the Ontario International Airport Cargo Development Project. February 23, 2023.

Air Quality Technical Report for the Ontario International Airport Cargo Development Project

PREPARED BY:

RCH Group
Contact: *Mike Ratte, Senior Air Quality Scientist*

PREPARED FOR:

Meridian Consultants, LLC
920 Hampshire Road, Suite A5
Westlake Village, CA 91361

February 23, 2023

Table of Contents

1.0	Introduction	1
2.0	Project Overview	3
3.0	Analysis Methodology	10
4.0	Existing Conditions	12
5.0	Regulatory Context	15
6.0	Thresholds of Significance	27
7.0	Construction Emissions Inventory	29
8.0	Operational Emissions Inventory	36
9.0	Ambient Air Concentration Impacts	45
10.0	Health Risk Assessment	57
11.0	Greenhouse Gas Emissions	68
12.0	Odor Impacts	80
13.0	Cumulative Impacts	81
14.0	Summary	82

Attachment A: Construction and Operational Air Emissions Inventory

Attachment B: Air Quality Dispersion Modeling Methodology and Assumptions

Attachment C: Health Risk Assessment Methodology and Assumptions

Attachment D: Electronic Modeling Files

List of Tables

1	Air Quality Data Summary (2018 - 2020)	14
2	State and National Criteria Air Pollutant Standards, Effects, and Sources	16
3	Mass Daily Emissions Thresholds (pounds)	27
4	Ambient Air Quality Significance Thresholds for Criteria Pollutants	28
5	Estimated Construction Schedule – Phase 1	31
6	Estimated Construction Equipment Usage – Phase 1	32
7	Estimated Construction Schedule – Phase 2	33
8	Estimated Construction Equipment Usage – Phase 2	34
9	Estimated Maximum Daily Construction Emissions (pounds) – Phase 1	35
10	Estimated Maximum Daily Construction Emissions (pounds) – Phase 2	35
11	Estimated Annual Operational Emissions (tons) – Baseline	40
12	Estimated Annual Operational Emissions (tons) – Without Project	40
13	Estimated Annual Operational Emissions (tons) – With Project	41
14	Estimated Daily Operational Emissions (pounds) – Phase 1 With Project Compared to Baseline	41
15	Estimated Daily Operational Emissions (pounds) – Phase 2 With Project Compared to Baseline	42
16	Estimated Daily Operational Emissions (pounds) – Phase 1 With Project Compared to Without Project	43
17	Estimated Daily Operational Emissions (pounds) – Phase 2 With Project Compared to Without Project	43
18	Estimated Concentration Impacts from Construction Activities – Phase 1	48
19	Estimated Concentration Impacts from Construction Activities – Phase 2	48

20 Estimated Concentration Impacts from Operational Activities – Phase 1 With Project Compared to Baseline 51

21 Estimated Concentration Impacts from Operational Activities – Phase 2 With Project Compared to Baseline 51

22 Estimated Concentration Impacts from Operational Activities – Phase 1 With Project Compared to Without Project 54

23 Estimated Concentration Impacts from Operational Activities – Phase 2 With Project Compared to Without Project 54

24 Estimated Health Impacts from Construction Activities 63

25 Estimated Health Impacts from Operational Activities – With Project Compared to Baseline 64

26 Estimated Health Impacts from Operational Activities – With Project Compared to Without Project 66

27 Estimated Construction Greenhouse Gas Emissions for the Proposed Project (metric tons of CO_2e) 77

28 Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – Baseline 77

29 Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – Without Project 77

30 Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – With Project 78

31 Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – With Project Compared to Baseline 79

32 Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – With Project Compared to Without Project 80

List of Figures

1 Project Location Map 5

2 Project Site Plan 6

1.0 INTRODUCTION

This document presents the Air Quality Technical Report associated with the proposed Ontario International Airport (Airport or ONT) Cargo Development (Proposed Project, South Airport Cargo Center, or SACC) in Ontario, California.

To support the Ontario International Airport Cargo Development Environmental Impact Report (EIR), three analyses were conducted: construction and operational emissions inventories, dispersion modeling to support an ambient air quality standards analysis, and a health risk assessment (HRA). The emission inventories, ambient air quality standards analysis, and HRA results are presented. The potential air quality and health impacts that would result from construction and operation of the Proposed Project have been identified.

To evaluate the potential impacts of the change in air quality conditions that would result from the Proposed Project, the following conditions were analyzed:

- No Project
- With Project

Three timeframes will be evaluated:

- Baseline Condition (2021)[1]
- Phase 1 (2025)
- Phase 2 (2029)[2]

1 The Baseline Condition accounts for aviation activity levels that are historically representative of operations at ONT and, as such, has been "normalized" to eliminate short-term depressions in activity levels attributable to the COVID-19 pandemic. To more accurately represent historically consistent existing conditions at ONT, and to avoid a potentially misleading comparison of project impacts, the air quality and GHG emissions are described and compared using a hybrid of 2019 and 2020 operations. The Baseline Conditions air quality impacts were developed using calendar year 2019 aircraft operations with modifications to reflect increased cargo operations experienced during 2020 and continuing into 2021. The existing/base year fleet mix is a hybrid of 2019 and 2020 operations and was based on the ONT ANOMS radar data from 2019 and 2020, and FAA Traffic Flow TFMSC and OSPNET. Specifically, passenger air carriers, air taxi, and GA operations were obtained from the 2019 ANOMS data and the all-cargo operations were obtained from the 2020 ANOMS data. The military operations were obtained from the FAA TFMSC data. This approach serves to normalize operations to represent Baseline Conditions recognizing that the temporary reduction in passenger air carrier and air taxi operations, due to the COVID-19 pandemic, is not indicative of baseline/existing conditions at ONT.

2 Operational conditions during Phase 2 include Proposed Project activities from both Phase 1 and 2.

The supporting information, methodology, and assumptions used in the construction air emissions inventory, operational air emissions inventory, air quality dispersion modeling, and health risk assessment (including supporting project data and assumptions) are provided in the following:

- **Attachment A: Emissions Inventory and Dispersion Modeling Methodology and Assumptions**
- **Attachment B: Construction and Operational Air Emissions Inventory**
- **Attachment C: Health Risk Assessment Methodology and Assumptions**

Air quality impacts were determined for United States Environmental Protection Agency (USEPA) criteria pollutants and their precursors such as carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter less than 10 micrometers (coarse particulate or PM_{10}), and particulate matter less than 2.5 micrometers (fine particulate or $PM_{2.5}$). The air quality analysis was developed based on the South Coast Air Quality Management District (SCAQMD) Modeling Guidance for AERMOD,[3] the USEPA *Guideline on Air Quality Models,*[4] and the SCAQMD *Air Quality Handbook*.[5] The air quality analyses were conducted to determine the air quality impacts, in terms of air emissions and ambient pollutant concentrations, using the significance levels identified by SCAQMD.[6]

The HRA focuses on impacts on existing residences, offsite workers, and other sensitive populations (including onsite workers within the passenger terminal and other areas within the Airport) from emissions of air toxics or toxic air contaminants (TAC)[7] such as diesel particulate matter (DPM)[8] emissions from construction equipment and haul trucks associated with the Proposed Project construction activities and other air toxics emissions during aircraft operations. The HRA was conducted to determine the health impacts, in terms of excess cancer risk and noncancer hazards, using the significance levels identified by

3 South Coast Air Quality Management District, SCAQMD Modeling Guidance for AERMOD, https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance

4 United States Environmental Protection Agency, Guideline on Air Quality Models (Revised), 40 Code of Federal Regulations, Part 51, Appendix W, November 2005.

5 South Coast Air Quality Management District, CEQA Air Quality Handbook, http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook

6 South Coast Air Quality Management District, SCAQMD Air Quality Significance Thresholds, April 2019, http://www.aqmd.gov/ceqa/hdbk.html.

7 Toxic air contaminants (TAC) are a broad class of compounds known to cause morbidity or mortality. TAC are found in ambient air, especially in urban areas, and are caused by industry, agriculture, fuel combustion, and commercial operations (e.g., gasoline service stations, dry cleaners). TAC are typically found in low concentrations, even near their source (e.g., diesel particulate matter near a freeway). Because chronic exposure can result in adverse health effects, TAC are regulated at the regional, state, and Federal level.

8 In 1998, the California Air Resources Board classified diesel particulate matter as a toxic air contaminant, citing its potential to cause cancer and other health problems. The United States Environmental Protection Agency concluded that long-term exposure to diesel engine exhaust is likely to pose a lung cancer hazard to humans and can also contribute to other acute and chronic health effects.

the SCAQMD.[9] The HRA was prepared based on the California Office of Environmental Health Hazard Assessment (OEHHA)'s *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*[10] and SCAQMD's *Risk Assessment Procedures for Rule 1401, 1401.1* and *212.*[11]

2.0 PROJECT OVERVIEW

The City of Ontario and San Bernardino County formed the Ontario International Airport Authority (OIAA) in August 2012 by enacting a Joint Powers Agreement. The OIAA provides overall direction for the ownership, management, operations, development, and marketing of Ontario International airport (ONT or Airport) for the benefit of the Southern California economy and the residents of the airport's four-county catchment area.

ONT is located in San Bernardino County, approximately 35 miles east of Downtown Los Angeles in the center of Southern California and is considered part of the Inland Empire. The Airport resides on 1,757 acres of land with an established airport elevation of 944 feet above mean sea level. ONT is within the South Coast Air Basin.

Facilities on the Airport include two passenger terminals, general aviation facilities, air freight buildings, parking lots, and numerous airport and aircraft maintenance and support services. ONT has two parallel runways that are oriented in the east-west direction, Runways 8L-26R and 8R-26L. There are also two commercial terminal aprons, a general aviation apron and two primary air cargo ramps. UPS facilities are located in the southeast quadrant of the Airport (with most of their facilities outside of and adjacent to Airport property) and FedEx facilities are in the northwest quadrant of the Airport.

The three primary runway use configurations at ONT are (1) West Flow (depart and arrive on Runways 26L and 26R), (2) East Flow (depart and arrive on Runways 8L and 8R), and (3) Contra Flow (depart Runways 8L and 8R and arrive Runways 26L and 26R). Contra Flow is an operational noise mitigation strategy to minimize noise over residential areas to the west of the Airport at night and thus occurs daily between 10:00 PM and 7:00 AM when weather and wind conditions allow. The use of Contra Flow at ONT provides for noise abatement.

---

9 South Coast Air Quality Management District, SCAQMD Air Quality Significance Thresholds, April 2019, http://www.aqmd.gov/ceqa/hdbk.html

10 Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, February 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html

11 South Coast Air Quality Management District, Risk Assessment Procedures for Rule 1401, 1401.1 and 212, September 1, 2017, http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12

The project site consists of approximately 97 acres located within the south-central portion of ONT. The proposed air cargo center, illustrated in **Figure 1: Project Location Map** and **Figure 2: Project Site Plan**, includes a Cargo Sorting Building, truckyard, parking facilities, aircraft parking apron improvements, ground service equipment (GSE) parking, and aviation support facilities. The Cargo Sorting Building, proposed north of East Avion Street, would contain a sorting facility and office spaces. The aircraft parking apron would surround the building to the west, north, and east. A ground-level visitor parking lot and truckyard are proposed on the south side of the cargo building, with access from East Avion Street. A parking garage for employees is proposed south of East Avion Street with a pedestrian bridge connecting the parking garage to the office building.

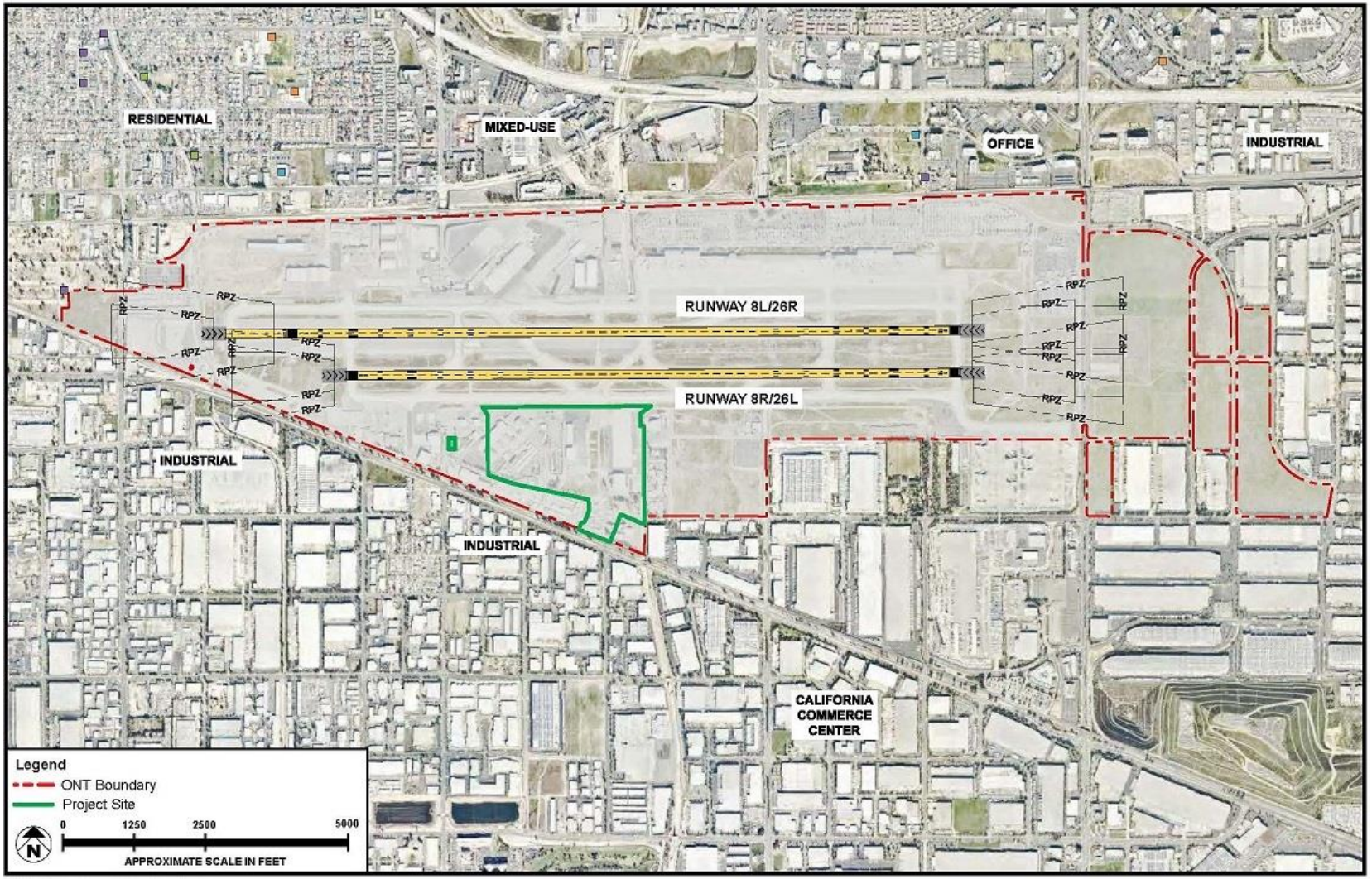
The Proposed Project would be implemented in two phases. Phase 1 construction would include the demolition of existing structures and site improvements in the Phase 1 area, site preparation, and construction of all proposed improvements on the eastern 60 acres of the Project site, including the Cargo Sorting Building, aircraft apron improvements, and parking garage. Phase 2 would occur on the western 30 acres of the Project Site and include the demolition of structures and site improvements in the Phase 2 area, site preparation, and construction of the remaining improvements, including the expansion of the Cargo Sorting Building and aircraft apron improvements.

The Proposed Project would include a 857,000-square-foot Cargo Sorting Building and office spaces. A 210,000 square-foot truckyard would be located between the Cargo Sorting Building and East Avion Street and service 150 truck trips per day at Phase 1 (plus 24 fuel truck trips per day) and 224 truck trips per day at Phase 2. The project would include 933 automobile parking stalls, including 900 employee stalls in a parking garage and 2,531 employee trips per day.

The Proposed Project would introduce new flights to the Airport. At its opening in 2025, the Proposed Project would operate 44 daily flights (22 arrivals and 22 departures) at the Airport (with an annual average of 38 flights per day). These flights would arrive and depart throughout the day, every day of the week. By 2029, 22 daily flights (11 arrivals and 11 departures) would be added (with an annual average of 18 flights per day). At the buildout of Phase 2, the Proposed Project would operate 66 daily flights (33 arrivals and 33 departures) (with an annual average of 56 flights per day).

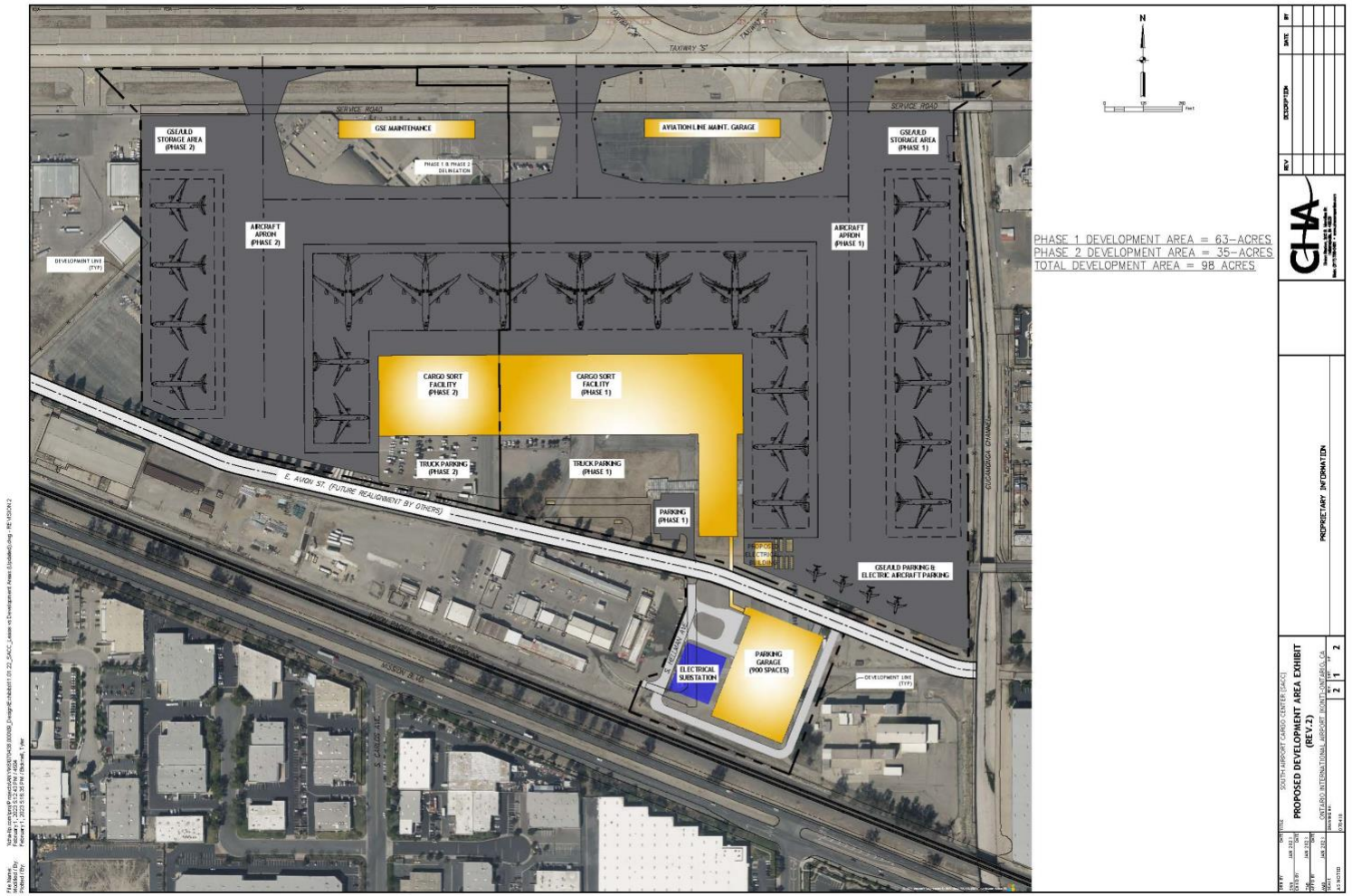
Construction of Phase 1 is projected to start in March of 2023 and be completed in December of 2024. Construction of Phase 2 is estimated to begin in September of 2025 (demolition), December of 2026 (site preparation), and August of 2027 (building construction), with completion in August of 2028, and would become operational in January of 2029. Typically, construction activities would occur between 5 a.m. and 3 p.m. (ten hours per day), on Monday through Friday.

Figure 1
Project Location Map



Source: Meridian Consultants, February 2023

Figure 2
Project Site Plan



Source: CHA, February 2023

The following project design feature (PDF) would be implemented during construction activities to reduce emissions and are quantified within the air quality analysis:

PDF AQ-1: The Applicant shall use equipment that meets the USEPA's Tier 4 emissions standards for offroad diesel-powered construction equipment with 50 horsepower (hp) or greater, for all phases of construction activity. To ensure that Tier 4 or the cleanest construction equipment available would be used during the Project's construction, the OIAA shall confirm that the Applicant includes this requirement in applicable bid documents, purchase orders, and contracts. Additionally, the OIAA shall confirm that the Applicant also requires periodic reporting and provision of written construction documents by construction contractor(s) and conducts regular inspections to the maximum extent feasible to ensure and enforce compliance.

This PDF results in the avoidance of 1.5 tons of VOC, 16.3 tons of NO_x, 0.8 tons of PM_{10}, and 0.7 tons of $PM_{2.5}$ during the entire construction period.

PDF AQ-2: The Applicant shall conduct concrete/asphalt demolition on-site to reuse concrete/asphalt generated during construction. During Phase 1, demolition would involve removal of approximately 2,047,320 square feet of asphalt/concrete, which would be recycled within the project site and not require offsite haul truck trips (i.e., avoiding 2,616 haul truck trips). During Phase 2, demolition would involve removal of approximately 1,045,440 square feet of asphalt/concrete, which would be recycled within the project site and not require offsite haul truck trips (i.e., avoiding 910 haul truck trips).

This PDF results in the avoidance of 0.1 tons of CO and 0.2 tons of NO_x during the entire construction period.

The following PDFs would be implemented during operation to reduce emissions and are quantified within the air quality analysis:

PDF AQ-3: The Ground Support Equipment (GSE), including (but not limited to) aircraft tugs, baggage tugs, belt loaders, cargo loaders, forklifts, and ground power units, ramp support carts/vans, servicing aircrafts shall be electric by Phase 2.

This PDF results in the avoidance of 0.7 tons of VOC, 1.7 tons of CO, 1.6 tons of NO_x, and 0.1 tons of PM_{10} and $PM_{2.5}$ compared to the use of diesel fueled ground support equipment.

PDF AQ-4: A portion of the proposed Project's aircraft fleet shall include electric cargo aircraft. (See **Table 3.4** in **Section 3.0: Project Description.**)

This PDF results in the avoidance of 3.8 tons of VOC, 23.0 tons of CO, 25.5 tons of NO_x, and 0.2 tons of PM_{10} and $PM_{2.5}$ compared to the use of jet-fueled aircraft similar to the project fleet.

PDF AQ-5: All new aircraft parking positions shall be equipped with ground power and pre-conditioned air, therefore reducing the need to operate auxiliary power units.

This PDF results in the avoidance of 0.2 tons of VOC, 2.7 tons of CO, 3.3 tons of NO_x, and 0.5 tons of PM_{10} and $PM_{2.5}$ compared to without the gate infrastructure.

PDF AQ-6: The Applicant shall conduct maintenance and/or testing on each of the seven standby generators on separate days to limit daily emissions from maintenance/testing activities.

This PDF results in the avoidance of 13.5 pounds of VOC, 185 pounds of CO, 35.5 pounds of NO_x, and 2.1 pounds of PM_{10} and $PM_{2.5}$ when compared to testing all seven generators on the same day.

Moreover, additional PDFs not quantified within the air quality analysis include:

PDF AQ-7: The Air Cargo Sort Building shall meet Leadership in Energy and Environmental Design (LEED) certification standards, shall include enhanced building automation systems, and shall utilize advanced low energy HVAC systems.

PDF AQ-8: The visitor parking lot shall include 29 parking stalls, 6 of which shall have access to electric charging points. The employee parking structure shall include 932 parking stalls, 300 of which shall have access to electric charging points.

It should be noted that, over time new technologies or systems will emerge, or will become more cost-effective or user-friendly, which will further reduce the reliance upon nonrenewable natural resources. For example, future implementation of the Clean Fuel Standard and the Renewable Portfolio Standard are expected to decrease the use of nonrenewable fossil fuels. Similarly, efforts made by the FAA and SFO to increase usage of alternative jet fuels are expected to occur during the lifetime of the Proposed Project.

As discussed above, air quality emissions from construction would not result in any significant impacts. However, the Proposed Project's operational emissions during Phase 1 and Phase 2 would exceed SCAQMD significance thresholds for CO, VOC, NO_x and SO_2 (Phase 2 only), primarily due to aircraft, followed by employee vehicles, delivery trucks, and emergency generators. There are no feasible

mitigation measures that would reduce operational emissions to below significant thresholds. However, the Proposed Project would incorporate the following mitigation measures to reduce air quality emissions:

While not quantifiable, the following mitigation measures would reduce air quality emissions during construction.

MM AQ-1: The Applicant shall require that construction vendors, contractors, and/or haul truck operators commit to using 2010 model year trucks (e.g., material delivery trucks and soil import/export with a gross vehicle weight rating of at least 14,001 pounds), that meet CARB's 2010 engine emissions standards or newer, cleaner trucks. The OIAA shall confirm that the Applicant includes this requirement in applicable bid documents, purchase orders, and contracts. Operators shall maintain records of all trucks associated with Project construction to document that each truck used meets these emission standards and make the records available for inspection.

MM AQ-2: The Applicant shall require that construction equipment such as concrete/industrial saws, pumps, aerial lifts, light stands, air compressors, and forklifts be electric or alternative-fueled (i.e., non-diesel), where feasible. Pole power shall be utilized at the earliest feasible point in time and shall be used to the maximum extent feasible in lieu of generators.

MM AQ-3: The Applicant shall support and encourage ridesharing and transit incentives for the construction crew by providing crews with the resources needed to organize rideshares, such as bulletin boards or email announcements. The Applicant shall also partially subsidize transit fares or passes for the construction crew members who can feasibly use transit. The Applicant shall set a goal to achieve ten percent total construction worker participation in ridesharing programs and transit use.

While not quantifiable, the following mitigation measures as well as mitigation measures **TRANS-1** through **TRANS-5** in Section 5.12, Transportation of this Draft EIR would reduce air quality emissions during operation.

MM AQ-4: The Applicant shall require, in addition to the GSE noted within **PDF AQ-3**, all other on-site cargo-handling equipment, such as yard trucks, holsters, yard goats, pallet jacks, and similar equipment, to be electric, with the necessary electrical charging stations provided.

MM AQ-5: The Applicant shall require, where feasible, the use of zero-emission Project-related delivery trucks as part of business operations beginning in 2025 (within at least 25 percent of the Project fleet).

The Applicant also shall require, where feasible, the use of zero-emission Project-related delivery trucks as part of the business operations beginning in 2029 (within at least 50 percent of the Project fleet).

MM AQ-6: The Applicant shall include in the design requirements for the Project that a cool roof be installed at the parking structure to reduce energy use and urban heat island effects. This requirement shall not apply if solar panels are installed on the parking structure.

MM AQ-7: The Applicant shall encourage the use of single engine taxi operations for Project aircraft.

3.0 ANALYSIS METHODOLGY

Regulatory models used to estimate air quality and health impacts from construction and operations include:

- California Air Pollution Officers Association (CAPCOA) CalEEMod (California Emissions Estimator Model Version 2020.4.0)[12] land use emissions model estimates emissions due to demolition and construction activities and operations for land use development. A newer version of CalEEMod, Version 2022 was fully released in December 22 of 2022. CalEEMod Version 2020 was used for the air quality analysis, as it was the available model version on issue of the Notice of Preparation.

- California Air Resources Board's (CARB) EMFAC[13]emissions inventory model. EMFAC is the latest emission inventory model that calculates emission inventories and emission rates for motor vehicles operating on roads in California. This model reflects CARB's current understanding of how vehicles travel and how much they emit. EMFAC can be used to show how California motor vehicle emissions have changed over time and are projected to change in the future.

- CARB OFFROAD[14] emissions inventory model. OFFROAD is the latest emission inventory model that calculates emission inventories and emission rates for off-road equipment such as loaders, excavators, and off-road haul trucks operating in California. This model reflects CARB's current understanding of how equipment operates and how much they emit. OFFROAD can be used to show how California off-road equipment emissions have changed over time and are projected to change in the future.

12 California Air Pollution Officers Association, *California Emissions Estimator Model User's Guide*, May 2021, http://www.aqmd.gov/docs/default-source/caleemod/user-guide-2021/01_user-39-s-guide2020-4-0.pdf?sfvrsn=6

13 California Air Resources Board, EMFAC2021 User's Guide, January 15, 2021, https://ww2.arb.ca.gov/sites/default/files/2021-01/EMFAC202x_Users_Guide_01112021_final.pdf

14 California Air Resources Board, OFFROAD Instructions, http://www.arb.ca.gov/msprog/ordiesel/info_1085/oei_write_up.pdf

- United States Environmental Protection Agency (USEPA) AP-42, Compilation of Air Pollutant Emission Factors, has been published since 1972 as the primary compilation of USEPA's emission factor information. It contains emission factors and process information for more than 200 air pollution source categories. A source category is a specific industry sector or group of similar emitting sources. The emission factors have been developed and compiled from source test data, material balance studies, and engineering estimates.[15] Fugitive dust emissions from project onsite asphalt/concrete recycling were based on AP-42.

  FAA's Aviation Environmental Design Tool (AEDT, Version 3d) was used to prepare airport operational emission estimates for aircraft, auxiliary power units (APU), GSE, and stationary sources.[16] [17] Since the Notice of Preparation, the FAA released an updated version of AEDT (Version 3e, released May 9 of 2022). A review of the new features of Version 3e indicates that the updated model would not provide aircraft air quality results that would differ greatly from those derived using Version 3d. AEDT uses airport-specific information and aircraft fleet databases. The aircraft fleet database contains more than 3,000 aircraft (airframe and engine combinations).

- American Meteorological Society/USEPA Regulatory Model (AERMOD). AERMOD (Version 21112, released April 22 of 2021) is an atmospheric dispersion model which can simulate point, area, volume, and line emissions sources and has the capability to include simple, intermediate, and complex terrain along with meteorological conditions and multiple receptor locations.[18] [19] AERMOD is commonly executed to yield 1-hour maximum and annual average concentrations (in parts per million or ppm and micrograms per cubic meter or µg/m^3) at each receptor. AERMOD is used to estimate air concentrations at nearby receptors resulting from the activities associated with an air emission source. Plot files from AERMOD using unitized emissions (one gram per second) for each air toxics source category were imported into CARB's Hotspots Analysis and Reporting Program (HARP), Risk Assessment Standalone Tool (RAST, Version 22118). Using the AERMOD plot files and the emissions

[15] US Environmental Protection Agency, AP 42, Compilation of Air Pollutant Emission Factors, Fifth Edition, Volume I, https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emissions-factors

16 Federal Aviation Administration, Aviation Environmental Design Tool (AEDT) User's Manual, March 29, 2021, https://aedt.faa.gov/Documents/AEDT3d_UserManual.pdf

17 Federal Aviation Administration, Aviation Environmental Design Tool (AEDT) Version 3d Technical Manual, https://aedt.faa.gov/3d_information.aspx

18 United States Environmental Protection Agency Preferred/Recommended Models, AERMOD Modeling System, https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models#aermod

19 Title 40 CFR Part 51, Revision to the Guideline on Air Quality Models: Adoption of a Preferred General Purpose (Flat and Complex Terrain) Dispersion Model and Other Revisions; Final Rule.

inventory, the ADMRT calculates ground-level concentrations of air toxics.[20] For this analysis, HARP2 equations and calculation methods were used to address project-specific impacts.

4.0 EXISTING CONDITIONS

The Proposed Project is in San Bernardino County within the South Coast Air Basin (SCAB or Basin). The Basin is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The Basin includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino counties.

Regional Meteorology

Air quality is affected by the rate, amount, and location of pollutant emissions and the associated meteorological conditions that influence pollutant movement and dispersal. Atmospheric conditions, including wind speed, wind direction, stability, and air temperature, in combination with local surface topography (i.e., geographic features such as mountains, valleys, and Pacific Ocean), determine the effect of air pollutant emissions on local air quality.

In general, Southern California has a warm, dry Mediterranean climate; hot in the summer and mild in the winter. Temperatures are cooler near the coast and hotter near inland areas. Most of the precipitation occurs as rain during the winter months, although rain showers are common during the summer in higher-elevation desert areas. Average annual precipitation is approximately 19 inches and temperatures reach 90 degrees Fahrenheit 100 days of the year on average. August daily highs average 95 degrees while daily lows average 64 degrees Fahrenheit. January typically exhibits average daily highs of 68 degrees and average daily lows of 43 degrees Fahrenheit. The predominant wind directions are either out of the southwest or northeast. Gusts greater than 15 miles per hour occur infrequently, approximately two percent of the time.

Basin climate increases the potential to create air pollution problems. Air quality within the Basin generally rates from fair to poor. Sinking or subsiding air from the Pacific High-Pressure System creates a temperature inversion (known as a subsidence inversion), which acts as a lid to vertical movement of air masses and dispersion of pollutants. The lower bound of this inversion at any given time is known as the "mixing height." Restricted maximum mixing heights are 3,500 feet above sea level or less. Weak summertime pressure gradients suppress winds and further limit horizontal dispersion of pollutants in the mixed layer below the subsidence inversion. Poorly dispersed anthropogenic (human-made) emissions, combined with strong sunshine, lead to photochemical reactions that create ozone (O_3) in this surface

20 California Air Resources Board, HARP Risk Assessment Standalone Tool, Released April 28, 2022, https://ww2.arb.ca.gov/resources/documents/harp-risk-assessment-standalone-tool

layer. Daytime onshore air flow (i.e., sea breeze) and nighttime offshore flow (i.e., land breeze) are quite common in Southern California. The sea breeze helps to moderate daytime temperatures and leads to air pollutants being blown out to sea at night and returning to land the following day. A mixing height of 2,402 feet was used for the air quality analysis.[21]

Sensitive Receptors

Land uses such as schools, children's daycare centers, hospitals, and convalescent homes are considered to be more sensitive than the general public to poor air quality because the population groups associated with these uses have increased susceptibility to respiratory distress. Persons engaged in strenuous work or exercise also have increased sensitivity to poor air quality. The CARB and SCAQMD has identified the following people as most likely to be affected by air pollution: children less than 14 years of age, the elderly over 65 years of age, athletes, and those with cardiovascular and chronic respiratory diseases. These groups are classified as sensitive population groups.

Residential areas are considered more sensitive to air quality conditions than commercial and industrial areas because people generally spend longer periods of time at their residences, resulting in greater exposure to ambient air quality conditions. Recreational uses are also considered sensitive, due to the greater exposure to ambient air quality conditions and because the presence of pollution detracts from the recreational experience. Offsite workers are also considered sensitive receptors by the SCAQMD.

Local Air Quality

The SCAQMD maintains a network of monitoring stations within the Air Basin that monitor air quality and compliance with applicable ambient standards. The nearest air monitoring station which measures CO, NO_2, and PM_{10} is located at 1350 San Bernardino Road in Upland (Northwest San Bernardino Valley, Station # 5175), four miles to the north of the project site. The nearest air monitoring station which measures SO_2 and $PM_{2.5}$ is located at 14360 Arrow Boulevard in Fontana (Central San Bernardino Valley 1, Station # 5197), seven miles to the northeast of the project site.

21 2016 AQMP Draft Aircraft Emissions Inventory for South Coast Air Quality Management District, August 2016, https://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/final-2016-aqmp

Table 1: **Air Quality Data Summary** summarizes the most recent three years of data (2018 through 2020) from the nearby air monitoring stations; reported in parts per million (ppm) or micrograms per cubic meter (μg/m³). The ozone standard was exceeded in 2018, 2019, and 2020. The State annual PM_{10} standard was exceeded in 2018, 2019, and 2020 and the State 24-hour PM_{10} standard was exceeded in 2018, 2019, and 2020. CO, NO_2, and $PM_{2.5}$ standards were not exceeded during 2018, 2019, and 2020. As of July of 2022, the CARB had not published air monitoring results for 2021.

Table 1
Air Quality Data Summary (2018 - 2020)

Pollutant	Monitoring Data by Year			
	Standard	***2018***	***2019***	***2020***
Ozone				
Highest 1-Hour Average (ppm)	0.09	**0.141**	**0.131**	**0.158**
Days over State Standard	—	**38**	**41**	**82**
Highest 8-Hour Average (ppm)	0.070	**0.111/0.106**	**0.109/0.097**	**0.123/0.116**
Days over State/National Standard	—	**52**	**67**	**114**
Nitrogen Dioxide				
Highest 1-Hour Average (ppm)	0.180/0.100	0.063/0.056	0.076/0.058	0.066/0.058
Days over State Standard	—	0	0	0
Annual Average (ppm)	0.030/0.053	0.018	0.017	0.019
Carbon Monoxide				
Highest 1-Hour Average (ppm)	20.0	1.9	2.7	1.5
Days over State Standard	—	0	0	0
Highest 8-Hour Average (ppm)	9.0	1.2	1.1	1.1
Days over State Standard	—	0	0	0
Particulate Matter (PM10)				
Highest 24-Hour Average (μg/m³)	50/150	**73**	**125**	**63**
Days over State Standard	—	**14**	**7**	**12**
Days over National Standard		0	0	0
State Annual Average (μg/m³)	20	**34.1**	**34.8**	**30.5**
Particulate Matter (PM2.5)				
Highest 24-Hour Average (μg/m³)	35	29.2/26.8	46.5/29.7	46.1/27.4
Days over National Standard	—	0	0	0
State Annual Average (μg/m³)	12	14.3	12.7	14.4

*Notes: Values in **bold** are in excess of at least one applicable standard.*
Generally, State and national standards are not to be exceeded more than once per year.
ppm = parts per million; μg/m³ = micrograms per cubic meter.
PM_{10} is not measured every day of the year. Number of estimated days over the standard is based on 365 days per year.
Source: South Coast Air Quality Management District, Annual Air Quality Summaries, http://www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year

The air monitoring data from 2018 through 2020 indicates as follows:

- CO: No exceedances of federal or state standards (1-hour and 8-hour).
- Ozone: On average between 2018 and 2020, the 2015 federal and state 8-hour standard is exceeded 20 percent of the time (14 to 31 percent). On average between 2018 and 2020, the state 1-hour standard is exceeded 13 percent of the time (7 to 22 percent). Exceedances of all ozone standards more than doubled in 2020 as compared to 2018 and 2019 (likely due to the extensive wildfires in San Bernardino and neighboring counties in 2020).
- NO_2: Exceedance of federal 1-hour standard (100 ppb) in 2020 and exceedance of state annual standard (30 ppb) in 2018.
- PM_{10}: No exceedances of the federal 24-hour standard. Exceedance of state annual standard (20 µg/m^3) each year and minimal exceedances of the state 24-hour standard each year.
- $PM_{2.5}$: Minimal exceedance of the federal 24-hour standard (35 µg/m^3), and exceedance of the federal and state annual standard (12 µg/m^3) each year.

5.0 REGULATORY CONTEXT

United States Environmental Protection Agency (USEPA) has established the National Ambient Air Quality Standards (NAAQS) under the Clean Air Act (CAA) for six common air pollutants known as "criteria pollutants."[22] These air pollutants consist of CO, NO_2, ozone (O_3), particulate matter (PM_{10} and $PM_{2.5}$), SO_2, and lead (Pb). An ambient air quality standard establishes the concentration above which the pollutant is known to cause adverse health effects to sensitive groups within the population such as children and the elderly. Ambient air quality standards are classified as either "primary" or "secondary" standards. Primary standards define levels of air quality, including an adequate margin of safety, necessary to protect public health. Secondary ambient air quality standards define levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant. The ambient air quality standards are shown in **Table 2: State and National Criteria Air Pollutant Standards, Effects, and Sources**.

22 United States Environmental Protection Agency, Six Common Air Pollutants, https://www.epa.gov/criteria-air-pollutants

Table 2
State and National Criteria Air Pollutant Standards, Effects, and Sources

Pollutant	Averaging Time	State Standard	National Standard	Pollutant Health and Atmospheric Effects	Major Pollutant Sources
Ozone	1 Hour 8 Hour	0.09 ppm 0.07 ppm	– 0.070 ppm	High concentrations can directly affect lungs, causing irritation. Long–term exposure may cause damage to lung tissue.	Formed when reactive organic gases and nitrogen oxides react in the presence of sunlight. Major sources include on–road motor vehicles, solvent evaporation, and commercial / industrial mobile equipment.
Carbon Monoxide (CO)	1 Hour 8 Hour	20 ppm 9.0 ppm	35 ppm 9.0 ppm	Classified as a chemical asphyxiant, carbon monoxide interferes with the transfer of fresh oxygen to the blood and deprives sensitive tissues of oxygen.	Internal combustion engines, primarily gasoline–powered motor vehicles.
Nitrogen Dioxide (NO_2)	1 Hour Annual	0.18 ppm 0.03 ppm	0.10 ppm 0.053 ppm	Irritating to eyes and respiratory tract. Colors atmosphere reddish–brown.	Motor vehicles, petroleum–refining operations, industrial sources, aircraft, ships, and railroads.
Sulfur Dioxide (SO_2)	1 Hour 3 Hour 24 Hour Annual	0.25 ppm – 0.04 ppm –	0.075 ppm 0.5 ppm 0.14 ppm 0.030 ppm	Irritates upper respiratory tract; injurious to lung tissue. Can yellow the leaves of plants, destructive to marble, iron, and steel. Limits visibility and reduces sunlight.	Fuel combustion, chemical plants, sulfur recovery plants, and metal processing.
Respirable Particulate Matter (PM_{10})	24 Hour Annual	50 µg/m^3 20 µg/m^3	150 µg/m^3 –	May irritate eyes and respiratory tract, decreases in lung capacity, cancer and increased mortality. Produces haze and limits visibility.	Dust and fume–producing industrial and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind–raised dust and ocean sprays).
Fine Particulate Matter ($PM_{2.5}$)	24 Hour Annual	– 12 µg/m^3	35.0 µg/m^3 12.0 µg/m^3	Increases respiratory disease, lung damage, cancer, and premature death. Reduces visibility and results in surface soiling.	Fuel combustion in motor vehicles, equipment, and industrial sources; residential and agricultural burning; Also, formed from photochemical reactions of other pollutants, including nitrogen oxides, sulfur oxides, and organics.
Lead (Pb)	Month Rolling 3 Month	1.5 µg/m^3 –	– 0.15 µg/m^3	Disturbs gastrointestinal system, and causes anemia, kidney disease, and neuromuscular and neurological dysfunction.	Present sources: lead smelters, battery manufacturing & recycling facilities. Past source: combustion of leaded gasoline.

Source: Air Quality Standards, https://ww2.arb.ca.gov/resources/background-air-quality-standards

Under the federal CAA, USEPA designates air basins where NAAQS are exceeded as "nonattainment" areas. If standards are met, the area is designated as an "attainment" area. If there are inadequate or inconclusive data to make a definitive attainment designation, they are considered "unclassified." Areas where air pollution levels persistently exceed the State or national ambient air quality standards are designated "nonattainment." Federal nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. The South Coast Air Basin portion of San Bernardino County is in nonattainment status for the federal ozone and $PM_{2.5}$; and in attainment for the federal CO, lead, NO_2, SO_2, and PM_{10}.[23]

CARB manages air quality, regulates mobile emissions sources, and oversees the activities of county and regional Air Pollution Control Districts and Air Quality Management Districts. CARB regulates local air quality indirectly by establishing State ambient air quality standards and vehicle emissions and fuel standards; and by conducting research, as well as planning and coordinating activities. California has adopted ambient standards (known as California Ambient Air Quality Standards or CAAQS) that are more stringent than the federal standards for some criteria air pollutants. Under the California Clean Air Act patterned after the CAA, areas have been designated as attainment or nonattainment with respect to the State standards. The South Coast Air Basin portion of San Bernardino County is in nonattainment status for the State ozone, PM_{10}, and $PM_{2.5}$; and is in attainment status for CO, NO_2, and SO_2.[24, 25]

The SCAQMD has jurisdiction over an area of approximately 10,743 square miles. The South Coast Air Basin is a sub-region of the SCAQMD jurisdiction. While air quality in this area has improved, the Basin requires continued diligence to meet air quality standards. The SCAQMD has adopted a series of Air Quality Management Plans to meet the CAAQS and NAAQS. These plans require control technology for existing sources, control programs for area sources and indirect sources, a SCAQMD permitting system designed to allow no net increase in emissions from any new or modified permitted emission sources and transportation control measures.

On March 3, 2017, the SCAQMD adopted the 2016 Air Quality Management Plan (AQMP) which includes strategies and measures needed to meet the CAAQS and NAAQS. The AQMP demonstrates attainment of the ozone CAAQS and NAAQS as well as the latest $PM_{2.5}$ standards.[26] The SCAQMD also adopts rules and

23 United States Environmental Protection Agency, The Green Book Nonattainment Areas for Criteria Pollutants, https://www.epa.gov/green-book

24 California Air Resources Board, Area Designations Maps/State and National, http://www.arb.ca.gov/desig/adm/adm.htm

25 South Coast Air Quality Management District, NAAQS and CAAQS Attainment Status for the South Coast Air Basin, February 2016, http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf

26 South Coast Air Quality Management District, 2016 Air Quality Management Plan, March 1, 2017, http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan

regulations to implement portions of the AQMP. The 2016 AQMP is the applicable State Implementation Plan. On October 1, 2015, the USEPA strengthened the NAAQS for ground-level ozone, lowering the primary and secondary ozone standard levels to 70 ppb. The South Coast Air Basin is classified as an "extreme" nonattainment area and the Coachella Valley is classified as a "severe-15" nonattainment area for the 2015 Ozone NAAQS. In May of 2022, the SCAQMD released the Draft 2022 AQMP to address the requirements for meeting this standard. In October of 2022, the SCAQMD released the Revised Draft 2022 AQMP.

In 2019, the Airport developed a voluntary Air Quality Improvement Plan (AQIP)[27] as part of a collaborative effort between SCAQMD and other airports in the South Coast Air Basin to minimize and reduce emissions from mobile source activities at the Airport. The AQIP was developed to address a measure presented in the 2016 AQMP, Facility- Based Measure for Mobile Sources Measure for the Emissions Reductions at Commercial Airports (MOB-04). MOB-04 requires Basin airports to reduce non-aircraft emission sources at their facilities. The Airport's AQIP identifies efforts related to MOB-04 and programs to address air quality at the Airport. As it relates to construction projects, the AQIP includes a Construction Equipment Policy (RM7), which requires contractors under contract with OIAA to utilize Tier 4 Final construction equipment. Use of Tier 4 Final construction equipment would result in a reduction in NOx and PM emissions from construction activities.

In December 2019, SCAQMD and the Airport signed a Memorandum of Understanding (MOU) which outlines how the Airport will quantify NOx emission reductions through implementation measures outlined in ONT's AQIP.

SCAQMD adopts rules and regulations to implement portions of the AQMP. For the Proposed Project, the relevant SCAQMD rules and regulations include:

- **Rules 201 and 203 (Permits to Construct and Operate**): These rules require that owners of applicable construction or operation equipment obtain written permits from the SCAQMD prior to construction and operation.

- **Rule 402 (Nuisance):** This rule states that a person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort,

27 Alta Environmental, Air Quality Improvement Plan, Ontario International Airport, September 17, 2019, https://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/facility-based-mobile-source-measures/draft-aqip-ont.pdf?sfvrsn=7

repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

- **Rule 403 (Fugitive Dust):** This rule requires fugitive dust sources to implement Best Available Control Measures for all sources, and all forms of visible particulate matter are prohibited from crossing any property line. SCAQMD Rule 403 is intended to reduce PM_{10} emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. A fugitive dust control program pursuant to the provisions of SCAQMD Rules 402 and 403 shall be implemented. This program shall include, but not be limited to the following:

    - Prior to start of the initial on-site construction, the City Engineer shall confirm that the proposed construction plan follows SCAQMD Rule 403, and fugitive dust shall be controlled by the applicable best available control measures listed in Table 1 of Rule 403.

    - Water or a stabilizing agent shall be applied at least three times daily, preferably in the mid-morning, afternoon, and after work is done for the day, to exposed surfaces including graded and disturbed areas in enough quantity to prevent generation of dust plumes.

    - Track-out shall not extend 25 feet or more from an active operation and track-out shall be removed at the conclusion of each workday. The contractor shall use a gravel apron, 25 feet long by road width, or a pipe-grid track-out control device to reduce mud/dirt track-out from active operations and unpaved truck exit routes.

    - A wheel washing system shall be installed and used to remove bulk material from tires and vehicle undercarriages before vehicles exit the project alignment.

    - All trucks hauling dirt, sand, soil, or other loose materials are to be covered (e.g., with fabric tarps or other enclosures that would reduce fugitive dust emissions) and maintain a freeboard height of 12 inches, in accordance with California Vehicle Code Section 23114 (freeboard means vertical space between the top of the load and top of the trailer).

    - Traffic speeds on unpaved roads shall be limited to 15 miles per hour.

    - Operations on unpaved surfaces shall be suspended when winds exceed 25 miles per hour.

    - On-site stockpiles shall be covered or watered at least twice per day.

    - A publicly visible sign shall be posted with the telephone number and person to contact at the City of Ontario regarding dust complaints. This person shall respond and take corrective action

within 24 hours. The SCAQMD's phone number shall also be visible to ensure compliance with applicable regulations.

- **Rule 1110.2 (Emissions from Gaseous- and Liquid-Fueled Engines):** This rule was adopted to reduce NO_x, VOC, and CO emissions from stationary and portable engines over 50 horsepower, including standby generators. All standby generators used for Project operations would be selected from the SCAQMD certified generators list and meet applicable federal standards for diesel emissions. For after-treatment of engine exhaust air, a diesel particulate filter shall be provided to meet the emission level requirements of SCAQMD.

- **Rule 1113 (Architectural Coatings):** This rule requires manufacturers, distributors, and end-users of architectural and industrial maintenance coatings to reduce volatile organic compounds (VOC) emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories. Per Rule 1113 no person shall apply or solicit the application of any architectural coating within the SCAQMD with VOC content in excess of the values specified in a table incorporated in Rule 1113. All paints shall be applied using either high-volume low-pressure spray equipment or by hand application.

- **Rule 2202 (Employee Commute Reduction Program Guidelines)**: This rule is designed to assist employers in understanding the development and implementation requirements of the Employee Commute Reduction Program (ECRP) at their worksites. The ECRP focuses on reducing work related vehicle trips and vehicle miles traveled to a worksite with the purpose of achieving and maintaining the employers' designated average vehicle ridership targets.

- **Rule 2305 (Warehouse Indirect Source Rule)**: In May of 2021, SCAQMD adopted Rule 2305 to reduce emissions associated with warehouses and mobile sources attracted to warehouses. This rule applies to all existing and proposed warehouses over 100,000 square feet located in SCAQMD. Rule 2305 requires warehouse operators to track annual vehicle miles traveled associated with truck trips to and from the warehouse. These trip miles are used to calculate the warehouses' WAIRE (Warehouse Actions and Investments to Reduce Emissions) Points Compliance Obligation. WAIRE Points are earned based on emission reduction measures and warehouse operators are required to submit an annual WAIRE Report which includes truck trip data and emission reduction measures. Reduction strategies listed in the WAIRE menu include acquire zero emission (ZE) or near zero emission (NZE) trucks; require ZE/NZE truck visits; require ZE yard trucks; install on-site ZE charging/fueling infrastructure; install on-site energy systems; and install filtration systems in residences, schools, and other buildings in the adjacent community. Warehouse operators that do not earn enough WAIRE

points to satisfy the WAIRE Points Compliance Obligation are required to pay a mitigation fee. This Proposed Project would comply with the adopted Rule 2305 (Warehouse Indirect Source Rule).

The Applicant shall also require construction contractors to implement the following regulatory compliance measures during construction to reduce exhaust emissions:

- Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to five minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations). Clear signage shall be provided for construction workers at all access points.

- All construction equipment must be properly tuned and maintained in accordance with the manufacturer's specifications and documentation demonstrating proper maintenance, in accordance with the manufacturer's specifications, shall be maintained on site. Tampering with construction equipment to increase horsepower or to defeat emission control devices must be prohibited.[28]

- All streets located within the construction site area shall be swept at least once a day using SCAQMD Rule 1186 certified street sweepers if visible soil materials are carried to adjacent streets.

- The Applicant would require construction contractors to recycle or salvage a minimum of 65 percent of the non-hazardous construction and demolition waste generated directly from construction and demolition of the Project per CalGreen Construction Waste Management Requirements.

Criteria Air Pollutants

The following provides a summary of the potential health and welfare effects and typical sources of each of the criteria air pollutants.

Ozone

Ozone is a respiratory irritant and an oxidant that increases susceptibility to respiratory infections and that can cause substantial damage to vegetation and other materials. O_3 is not emitted directly into the atmosphere but is a secondary air pollutant produced in the atmosphere through a complex series of photochemical reactions involving VOC and NO_x. VOC and NO_x are known as precursor compounds for O_3. Substantial ozone production generally requires O_3 precursors to be present in a stable atmosphere with strong sunlight for approximately three hours. O_3 is a regional air pollutant because it is not emitted directly by sources but is formed downwind of sources of VOC and NO_x under the influence of wind and

28 Code of Federal Regulations, Part 1068 – General Compliance Provisions for Highway, Stationary, and Nonroad Programs, https://www.ecfr.gov/current/title-40/chapter-I/subchapter-U/part-1068.

sunlight. O_3 concentrations tend to be higher in the late spring, summer, and fall, when long sunny days combine with regional air subsidence inversions to create conditions conducive to the formation and accumulation of secondary photochemical compounds.

Carbon Monoxide

CO is a nonreactive pollutant that is a product of incomplete combustion of organic material, and is mostly associated with motor vehicle traffic, and in wintertime, with wood–burning stoves and fireplaces. High CO concentrations develop primarily during winter when periods of light winds combine with the formation of ground–level temperature inversions (typically from the evening through early morning). These conditions result in reduced dispersion of vehicle emissions. Motor vehicles also exhibit increased CO emission rates at low air temperatures.

When inhaled at high concentrations, CO combines with hemoglobin in the blood and reduces its oxygen-carrying capacity, resulting in reduced levels of oxygen reaching the brain, heart, and other body tissues. This condition is especially critical for people with cardiovascular diseases, chronic lung disease, or anemia. CO measurements and modeling were important in the early 1980s when CO levels were regularly exceeded throughout California, but in more recent years, CO measurements and modeling are not a priority in most California air districts due to the retirement of older vehicles, fewer emissions from new vehicles, and improvements to fuels.

Nitrogen Oxides

When combustion temperatures are extremely high, as in aircraft, truck and automobile engines, atmospheric nitrogen combines with oxygen to form various oxides of nitrogen. Nitric oxide (NO) and NO_2 are the most significant air pollutants generally referred to as NO_x. Nitric oxide is a colorless and odorless gas that is relatively harmless to humans, quickly converts to NO_2 and can be measured. Nitrogen dioxide has been found to be a lung irritant capable of producing pulmonary edema. Inhaling NO_2 can lead to respiratory illnesses such as bronchitis and pneumonia.

Volatile Organic Compounds

VOC means any compound of carbon, excluding carbon monoxide, carbon dioxide (CO_2), carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions and thus, a precursor of ozone formation. VOC are any reactive compounds of carbon, excluding methane, CO, CO_2, carbonic acid, metallic carbides or carbonates, ammonium carbonate, and other exempt compounds.

VOC includes a variety of chemicals, some of which may have short- and long-term adverse health effects. VOC are emitted by a wide array of products numbering in the thousands. Examples include paints and lacquers, paint strippers, cleaning supplies, building materials and furnishings, as well as fuel storage and use.

VOC can cause eye, nose, and throat irritation; headaches, loss of coordination, nausea; and damage to liver, kidney, and central nervous system. Some organics can cause cancer in animals; some are suspected or known to cause cancer in humans. The ability of organic chemicals to cause health effects varies greatly from those that are highly toxic, to those with no known health effect. As with other pollutants, the extent and nature of the health effect would depend on many factors including level of exposure and length of time exposed. Eye and respiratory tract irritation, headaches, dizziness, visual disorders, and memory impairment are among the immediate symptoms that some people have experienced soon after exposure to some organics.

Particulate Matter

PM_{10} and $PM_{2.5}$ consist of airborne particles that measure 10 micrometers or less in diameter and 2.5 micrometers or less in diameter, respectively. PM_{10} and $PM_{2.5}$ represent fractions of particulate matter that can be inhaled into the air passages and the lungs, causing adverse health effects. Particulate matter in the atmosphere results from many kinds of dust- and fume-producing industrial and agricultural operations, fuel combustion, wood burning stoves and fireplaces, and atmospheric photochemical reactions. Some sources of particulate matter, such as demolition, construction activities and mining, are more local in nature, while others such as vehicular traffic and wood burning stoves and fireplaces, have a more regional effect.

Very small particles of certain substances (e.g., sulfates and nitrates) can cause lung damage directly, or can contain adsorbed gases (e.g., chlorides or ammonium) that may be injurious to health. Particulates can also damage materials and reduce visibility. Dust comprised of large particles (diameter greater than 10 micrometers) settles out rapidly and is easily filtered by human breathing passages. This dust is of concern more as a soiling nuisance rather than a health hazard. The remaining fractions, PM_{10} and $PM_{2.5}$, are a health concern particularly at levels above the federal and California ambient air quality standards. $PM_{2.5}$ (including diesel exhaust particles) is thought to have greater effects on health, because these particles are so small and thus penetrate to the deepest parts of the lungs.

Acute and chronic health effects associated with high particulate levels include the aggravation of chronic respiratory diseases, heart and lung disease, coughing, bronchitis, and respiratory illnesses in children. Mortality studies since the 1990s have shown a statistically significant direct association between mortality (premature deaths) and daily concentrations of particulate matter in the air. Despite important

gaps in scientific knowledge and continued reasons for some skepticism, a comprehensive evaluation of the research findings provides persuasive evidence that exposure to fine particulate air pollution has adverse effects on cardiopulmonary health. The CARB has estimated that achieving the ambient air quality standards for PM_{10} could reduce premature mortality rates by 6,500 cases per year.

While current regulations are focused on both PM_{10} and $PM_{2.5}$, there has been growing concern in the public health community about the contribution of ultrafine particles (UFP) to the overall health impacts of PM. These very minute particles (consisting primarily of organic material, soot, and trace elements) have a different chemical composition than the larger PM fractions ($PM_{2.5}$ and PM_{10}). UFP are emitted from almost every fuel combustion process, including diesel, gasoline, and jet engines. Although there are many sources of UFP in the atmosphere, vehicle exhaust is the major contributor to UFP concentrations in urban areas, particularly in proximity to major roads. Consequently, there is growing concern that people living near roadways with high traffic volumes and other sources of combustion-related pollutants (e.g., airports, refineries, and railyards) may be exposed to high levels of UFP.[29]

Sulfur Dioxide

SO_2 is a combustion product of sulfur or sulfur–containing fuels such as coal and diesel. SO_2 is also a precursor to the formation of atmospheric sulfate and particulate matter and contributes to potential atmospheric sulfuric acid formation that could precipitate downwind as acid rain.

Lead

Ambient lead concentrations meet both the federal and State standards in the Project area. Lead has a range of adverse neurotoxin health effects and was released into the atmosphere via leaded gasoline products. The phase-out of leaded gasoline in California has resulted in dramatically decreased levels of atmospheric lead. Metal processing is currently the primary source of lead emissions in the SCAB. The highest concentrations of lead in air are generally found near lead smelters and general aviation airports, where piston aircraft use leaded fuel. Other stationary sources that generate lead emissions include waste incinerators, utilities, and lead-acid battery manufacturers. The maximum lead concentrations recorded in the Project area are below federal and California standards. Notably, diesel fuel does not contain lead emissions and gasoline fuel is unleaded. Although lead is a criteria air pollutant, it was not evaluated because the Proposed Project would not involve piston aircraft and the use of aviation gasoline (avgas), a common source of lead emissions and therefore, would have a negligible impact on ambient lead levels in the South Coast Air Basin.

29 South Coast Air Quality Management District, Multiple Air Toxics Exposure Study (MATES-V) in the South Coast Air Basin, August 2021, http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-v

Toxic Air Contaminants

Non-criteria air pollutants or toxic air contaminants are airborne substances that can cause short-term (acute) and/or long-term (chronic or carcinogenic, i.e., cancer causing) adverse human health effects (i.e., injury or illness). TAC includes both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TAC includes approximately 240 compounds, including particulate emissions from diesel-fueled engines and asbestos.

In August of 1998, CARB identified particulate emissions from diesel-fueled engines as TAC. CARB developed the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*[30] and *Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines.*[31] The document represents a proposal to reduce diesel particulate emissions, with the goal to reduce emissions and the associated health risk by 75 percent in 2010 and 85 percent in 2020.[32] The program aims to require the use of state-of-the-art catalyzed diesel particulate filters and ultra-low sulfur diesel fuel on diesel-fueled engines.

DPM is the most complex of diesel emissions. Diesel particulates, as defined by most emission standards, are sampled from diluted and cooled exhaust gases. This definition includes both solid and liquid material that condenses during the dilution process. The basic fractions of DPM are elemental carbon; heavy hydrocarbons derived from the fuel and lubricating oil and hydrated sulfuric acid derived from the fuel sulfur. DPM contains a large portion of the polycyclic aromatic hydrocarbons (PAH) found in diesel exhaust. Diesel particulates include small nuclei particles of diameters below 0.04 micrometers (µm) and their agglomerates of diameters up to 1 µm. DPM is a major factor in total TAC exposure in California.

California State law defines TAC as air pollutants having carcinogenic effects. A total of 243 substances have been designated as TAC under California law; they include the 187 (federal) hazardous air pollutants (HAP) adopted in accordance with AB 2728. The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588) seeks to identify and evaluate risk from air toxics sources, but AB 2588 does not regulate air toxics emissions. TAC emissions from individual facilities are quantified and prioritized. Depending on the risk levels, emitting facilities are required to implement varying levels of risk reduction measures.

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30 California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles,* October 2000, http://www.arb.ca.gov/diesel/documents/rrpfinal.pdf

31 California Air Resources Board, Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines, October 2000.

32 Generally, there was a 60 percent reduction in health risks from 2005 through 2015, based on the SCAQMD Multiple Air Toxics Exposure Study.

The FAA's Aviation Emissions and Air Quality Handbook, Chapter 6,[33] lists potential HAP to be included in an airport emissions inventory. Typically, aircraft HAP emissions include formaldehyde in the greatest amount, followed by acetaldehyde, acrolein, benzene, methyl alcohol, and 1,3-butadiene. **Attachment C: Health Risk Assessment Methodology and Assumption** contains further information on the development of the aircraft HAP emissions inventory.

In 2005, the SCAQMD conducted a comprehensive study on air toxics in the SCAB called the Multiple Air Toxics Exposure Study (MATES-III). The monitoring program measured more than 30 air pollutants, including both gas and particulates. The monitoring study was accompanied by a computer modeling study in which SCAQMD estimated the risk of cancer from breathing toxic air pollution throughout the region based on emissions and weather data. MATES-III found that the average cancer risk in the region from carcinogenic air pollutants ranges from approximately 870 in a million to 1,400 in a million, with an average regional risk of approximately 1,200 in a million.[34]

In 2015, the Multiple Air Toxics Exposure Study IV (MATES IV) is a follow up to previous air toxics studies in the Basin. The MATES IV Study includes an updated emissions inventory of toxic air contaminants and a modeling effort to characterize risk across the SCAB. The study focuses on the carcinogenic risk from exposure to air toxics but does not estimate mortality or other health effects from particulate exposures. An additional focus of MATES IV is the inclusion of measurements of ultrafine particle concentrations. Results for MATES-IV show that trends in monitored levels air toxics continue to decline, modeled exposures and risks were substantially lower compared to MATES III (approximately 60 percent decrease), and DPM remains the largest component of air toxics estimated risk, at approximately 68 percent of the South Coast Air Basin wide cancer risk of 418 per million persons, ranging from 320 to 480 per million persons. Based on data within MATES-IV, the Proposed Project is within an area with an estimated cancer risk of 1,000 to 1,200 per million persons.[35]

In August of 2021, the Multiple Air Toxics Exposure Study V (MATES V)[36] was released. MATES V focuses on measurements during 2018 and 2019 with a comprehensive modeling analysis and emissions inventory based on 2018 data. In addition to new measurements and updated modeling results, several key updates were implemented in MATES V. First, MATES V estimates cancer risks by considering multiple exposure

33 Federal Aviation Administration, Aviation Emissions and Air Quality Handbook, January 2015, https://www.faa.gov/regulations_policies/policy_guidance/envir_policy/airquality_handbook

34 South Coast Air Quality Management District, Multiple Air Toxics Exposure Study (MATES-III) in the South Coast Air Basin, September 2008, https://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-iii

35 South Coast Air Quality Management District, Multiple Air Toxics Exposure Study (MATES-IV) in the South Coast Air Basin, May 1, 2015, http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-iv

36 South Coast Air Quality Management District, Multiple Air Toxics Exposure Study (MATES-V) in the South Coast Air Basin, August 2021, http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-v

pathways, which includes inhalation and non-inhalation pathways. Previous MATES studies quantified the cancer risks based on the inhalation pathway only. Second, along with cancer risk estimates, MATES V includes information on the chronic non-cancer risks from inhalation and non-inhalation pathways for the first time. As in previous MATES iterations, DPM is the largest contributor to overall air toxics cancer risk. However, the average levels of DPM in MATES V are 50 percent lower at the ten monitoring sites compared to MATES IV and 86 percent lower since MATES II based on monitored data. According to the MATES-V Data Visualization interactive tool, the area around Ontario International Airport has a cumulative cancer risk ranging from 560 to 625 per million persons.[37]

6.0 THRESHOLDS OF SIGNIFICANCE

Because of the SCAQMD's regulatory role in the Air Basin, the significance thresholds and analysis methodologies in the SCAQMD's *CEQA Air Quality Handbook* were used in evaluating project impacts for construction, operations, and air toxics.[38] These significance thresholds, under which the Proposed Project was evaluated, are described within the following section.

SCAQMD has identified thresholds to determine the significance of regional air quality emissions for construction activities and project operation, as shown in **Table 3: Mass Daily Emissions Thresholds**.

Table 3
Mass Daily Emissions Thresholds (pounds)

Pollutant	Construction	Operation
VOC	75	55
NO_x	100	55
CO	550	550
SO_2	150	150
PM_{10}	150	150
$PM_{2.5}$	55	55
Lead	3	3

Source: South Coast Air Quality Management District, SCAQMD Air Quality Significance Thresholds, April 2019, http://www.aqmd.gov/ceqa/hdbk.html

37 South Coast Air Quality Management District, Multiple Air Toxics Exposure Study (MATES-V) in the South Coast Air Basin, August 2021, http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-v

38 South Coast Air Quality Management District, SCAQMD Air Quality Significance Thresholds, April 2019, http://www.aqmd.gov/ceqa/hdbk.html

Secondly, the Proposed Project would result in a significant construction and/or operational air quality impact if the Project exceeds the ambient concentration significance thresholds set forth in **Table 4: Ambient Air Quality Significance Thresholds for Criteria Pollutants**.

Table 4
Ambient Air Quality Significance Thresholds for Criteria Pollutants

Pollutant	Averaging Period	Pollutant Concentration Threshold
CO	1-hour /8-hour	SCAQMD is in attainment (federal and state); project is significant if it causes or contributes to an exceedance of the attainment standards of 20 ppm (1-hour) and 9 ppm (8-hour)
NO_2	1-hour	SCAQMD is in attainment (federal and state); project is significant if it causes or contributes to an exceedance of the following attainment standard 0.18 ppm (state)
	Annual	0.03 ppm (state) and 0.0534 ppm (federal)
PM_{10}	24-hour	10.4 µg/m^3 (construction) and 2.5 µg/m^3 (operation)
	Annual	1.0 µg/m^3 (construction and operation)
$PM_{2.5}$	24-hour	10.4 µg/m^3 (construction) and 2.5 µg/m^3 (operation)
SO_2	1-hour	0.25 ppm (State) and 0.075 ppm (federal)
	24-hour	0.04 ppm (State)
Lead	30-day Average	1.5 µg/m^3 (State)
	Rolling 3-month Average	0.15 µg/m^3 (federal)

Source: South Coast Air Quality Management District, SCAQMD Air Quality Significance Thresholds, April 2019, http://www.aqmd.gov/ceqa/hdbk.html

Per SCAQMD guidance, the evaluated concentrations of CO, NO_2, and SO_2 included both the Project contribution plus background concentrations. The total concentration is then compared to the significance thresholds. For CO, NO_2, and SO_2, these significance thresholds are reflective of the CAAQS and NAAQS. Per SCAQMD guidance, the Project contribution of PM_{10} and $PM_{2.5}$ is compared to the significance thresholds without adding background concentrations. Further information on the background concentrations is provided in **Attachment A: Emissions Inventory and Dispersion Modeling Methodology and Assumptions**.

The Proposed Project would also result in a significant health impact if the carcinogenic or toxic air contaminants individually or cumulatively are equal to or exceed the maximum individual cancer risk of

ten in one million persons or a chronic and acute hazard index of 1.0 or the cancer burden of 0.5 excess cancer cases (in areas greater than or equal to one in one million).[39]

7.0 CONSTRUCTION EMISSIONS INVENTORY

Intermittent (short-term construction emissions that occur from activities, such as site-grading, paving, and building construction) air quality impacts related to the construction of the Proposed Project were evaluated. The air quality analysis focuses on daily emissions from construction (mobile, area, stationary, and fugitive sources) activities. CARB's CalEEMod and AP-42 (for asphalt/concrete recycling plant fugitive dust emissions) was used to quantify construction-related emissions. CalEEMod output worksheets are included in **Attachment B: Construction and Operational Air Emissions Inventory**. The emissions generated from these construction activities include:

- Dust (including PM_{10} and $PM_{2.5}$) primarily from "fugitive" sources (i.e., emissions released through means other than through a stack or tailpipe) such as material handling for demolition and soil movement and travel on unpaved surfaces; and

- Combustion exhaust emissions of criteria air pollutants and their precursors (ROG, NO_x, CO, PM_{10}, and $PM_{2.5}$) primarily from operation of heavy off-road construction equipment, haul trucks, (primarily diesel-operated), and construction worker automobile trips (primarily gasoline-operated).

- VOC as ROG primarily from "fugitive" sources such as architectural coating and paving.

Construction-related fugitive dust emissions would vary from day to day, depending on the level and type of activity, silt content of the soil, and the weather. High winds (greater than 10 miles per hour) occur infrequently in the area, less than two percent of the time. In the absence of mitigation, construction activities may result in significant quantities of dust, and as a result, local visibility and PM_{10} concentrations may be adversely affected on a temporary and intermittent basis during construction. In addition, the fugitive dust generated by construction would include not only PM_{10}, but also larger particles, which would fall out of the atmosphere within several hundred feet of the Project site and could result in nuisance-type impacts.

Erosion control measures and water programs are typically undertaken to minimize these fugitive dust and particulate emissions. A dust control efficiency of over 50 percent due to daily watering and other

39 South Coast Air Quality Management District, Risk Assessment Procedures for Rule 1401, 1401.1 and 212, September 1, 2017, http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12

measures (e.g., limiting vehicle speed to 15 mph, management of stockpiles, screening process controls, etc.) was used. Based on CalEEMod, one water application per day reduces fugitive dust by 34 percent, two water applications per day reduces fugitive dust by 55 percent, and three water applications per day reduces fugitive dust by 61 percent.

Construction worker trips were modeled using the light-duty auto/truck classification. Construction worker trips are a composite of gasoline and diesel vehicles. Construction worker vehicles were assumed to be 14.7 miles per one-way trip per CalEEMod. Haul trucks were modeled as diesel combination long-haul trucks, which is a heavy-heavy duty truck emission factor for public vehicles. Distance traveled was assumed to be 20 miles per one-way trip for construction haul trucks per CalEEMod. The particulate emissions include paved road dust, brake wear, and tire wear particulate emissions. For haul trucks, exhaust particulate emissions are approximately 15 percent of the total particulate emissions.

An on-site asphalt/concrete recycling operation would be expected to be located on the south side of East Avion Street on a partially paved and flat parcel that is, flanked by East Mission Boulevard (and railroad tracks) to the south, and industrial abandoned (industrial) uses on either side (which is within the project site). The recycling operations would reduce the total vehicle miles traveled needed for asphalt/concrete delivery trucks but would require delivery of some raw materials (i.e., asphalt, Portland cement, and aggregate) to mix the materials on-site. The construction emissions inventory includes an analysis of fugitive dust emissions associated with asphalt/concrete recycling operation (i.e., cold milling machine for asphalt and crushing processing equipment for concrete) as well as the exhaust emissions associated with the equipment engines (approximately 170 horsepower) and haul trucks (approximately 20 miles per trip). The asphalt/concrete recycling operation would contain various crusher, conveyors, and screens. These emissions were summed with the construction emissions developed in CalEEMod to represent the total construction emissions for the Proposed Project.

During Phases 1 and 2, the on-site asphalt/concrete recycling operation would have a capacity rating of 650 tons per hour (325 cubic yards per hour) with asphalt recycling at 200 cubic yards per hour and concrete recycling at 125 cubic yards per hour. Recycling would occur over approximately 23 and 8 days during Phase 1 and 2, respectively; processing a total of 119,600 and 41,600 tons during Phase 1 and 2, respectively.

The following provides the estimated construction schedule and associated emissions. Notably, project delays that affect the corresponding time period in which construction of Phase 1 and Phase 2 would occur would result in lower emission factors due to regulatory requirements and greater engine efficiencies, and thus, lower emission estimates.

During Phase 1, construction activities are estimated to begin in March of 2023, completion in September of 2024, and after Material Handling Equipment (MHE) testing, would become operational in January of 2025. **Table 5: Estimated Construction Schedule – Phase 1** provides the estimated construction schedule during Phase 1. Typically, construction activities would occur between 5 a.m. and 3 p.m. (ten hours per day), on Monday through Friday.

Table 5
Estimated Construction Schedule – Phase 1

Phase	Start	End	Working Days
Demolition	03/01/2023	06/29/2023	87
Site Preparation	05/26/2023	11/13/2023	122
Garage Construction	07/03/2023	02/01/2024	154
Building Construction	09/01/2023	09/04/2024	264
Apron Paving	11/15/2023	06/18/2024	155
MHE Installation	03/15/2024	12/31/2024	208

Source: CalEEMod and Information from project proponent, May 12, 2022.

Demolition would involve removal of approximately 192,484 square feet of buildings requiring approximately 875 haul truck trips (or approximately ten haul truck trips per day) per CalEEMod. Demolition would also involve removal of approximately 2,047,320 square feet of asphalt/concrete, which would be recycled within the project site and not require offsite haul truck trips (i.e., avoiding 2,616 haul truck trips).[40] Site preparation would consist of land clearing and grading resulting in approximately 107,000 cubic yards of import materials requiring approximately 13,375 haul truck trips (or approximately 102 haul truck trips per day) based on a haul truck capacity of eight cubic yards. Phase 1 would require a maximum of 280 construction employee trips and 100 vender trips per day during building construction and less trips during the other phases. The estimated construction equipment associated with the Proposed Project along with the number of pieces of diesel equipment, daily hours of operation, horsepower (hp), and load factor (i.e., percent of full throttle) are shown in **Table 6: Estimated Construction Equipment Usage – Phase 1**. Phase 1 would include construction of the following component details of the Proposed Project:

- 508,675 square feet within Cargo Sort Facility
- 27,000 square feet within Aviation Line Maintenance Garage
- 101,500 square feet within Cargo Sort Facility Office

40 Assuming asphalt depth of four inches and concrete depth of eight inches; resulting in 30,510 cubic yards and based on eight cubic yards of haul truck capacity per CalEEMod.

- 7,000 square feet within South Secure Airport Access Point
- 2,047,320 square feet of aircraft apron
- 900 parking spaces and 271,000 square feet within parking garage
- 33 parking spaces and 15,300 square feet within surface parking lot
- 39 truck docks and 122,200 square feet within truck yard area
- Project area of 62 acres (including parking garage of four acres)

Table 6
Estimated Construction Equipment Usage – Phase 1

Phase	Equipment	Amount	Daily Hours	HP	Load Factor
Demolition	Excavators	3	8	450	0.38
Demolition	Other Construction Equipment	3	8	425	0.42
Demolition	Rubber Tired Dozers	2	8	247	0.40
Demolition	Other Material Handling Equipment	2	8	168	0.40
Site Preparation	Excavators	3	8	425	0.38
Site Preparation	Off-Highway Trucks	3	8	300	0.38
Site Preparation	Plate Compactors	2	8	250	0.43
Site Preparation	Rollers	2	8	120	0.38
Site Preparation	Rubber Tired Dozers	2	8	250	0.40
Site Preparation	Skid Steer Loaders	2	8	225	0.37
Garage Construction	Cranes	2	7	231	0.29
Garage Construction	Pumps	1	8	200	0.74
Garage Construction	Tractors/Loaders/Backhoes	2	8	120	0.37
Building Construction	Aerial Lifts	5	8	75	0.31
Building Construction	Cranes	2	7	231	0.29
Building Construction	Generator Sets	1	8	84	0.74
Building Construction	Pumps	1	8	200	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8	120	0.37
Building Construction	Welders	1	8	46	0.45
Apron Paving	Graders	1	8	200	0.41
Apron Paving	Other Construction Equipment	1	8	385	0.42
Apron Paving	Pavers	2	8	350	0.42
Apron Paving	Paving Equipment	2	8	132	0.36
Apron Paving	Rollers	2	8	120	0.38
MHE Installation	Aerial Lifts	3	8	75	0.31
MHE Installation	Forklifts	3	8	50	0.20
MHE Installation	Tractors/Loaders/Backhoes	1	8	120	0.37
MHE Installation	Welders	2	8	10	0.45

Source: CalEEMod and Information from project proponent, December 15, 2021.

During Phase 2, construction activities are estimated to begin in September of 2025 (demolition), December of 2026 (site preparation), and August of 2027 (building construction), with completion in August of 2028, and would become operational in January of 2029. **Table 7: Estimated Construction**

Schedule – Phase 2 provides the estimated construction schedule during Phase 2. Typically, construction activities would occur between 5 a.m. and 3 p.m. (ten hours per day), on Monday through Friday.

Table 7
Estimated Construction Schedule – Phase 2

Phase	Start	End	Working Days
Demolition	09/14/2025	01/13/2026	87
Site Preparation	12/06/2026	05/25/2027	122
Building Construction	08/08/2027	08/10/2028	264
Apron Paving	10/25/2027	05/26/2028	155
MHE Installation	02/20/2028	12/06/2028	208

Source: CalEEMod and Information from project proponent, May 25, 2022.

Demolition would involve removal of approximately 432,295 square feet of buildings requiring approximately 1,966 haul truck trips (or approximately 23 haul truck trips per day). Demolition would also involve removal of approximately 1,045,440 square feet of asphalt/concrete, which would be recycled within the project site and not require offsite haul truck trips (i.e., avoiding 910 haul truck trips).[41] Site preparation would consist of land clearing and grading resulting in approximately 50,000 cubic yards of import materials requiring approximately 6,250 haul truck trips (or approximately 51 haul truck trips per day) based on a haul truck capacity of eight cubic yards. Phase 2 would require a maximum of 240 construction employee trips and 100 vender trips per day during building construction and less trips during the other phases. The estimated construction equipment associated with the Proposed Project along with the number of pieces of diesel equipment, daily hours of operation, horsepower (hp), and load factor (i.e., percent of full throttle) are shown in **Table 8: Estimated Construction Equipment Usage – Phase 2**. Phase 2 would include construction of the following elements of the Proposed Project:

- 246,825 square feet within Cargo Sort Facility
- 27,000 square feet within GSE Maintenance Building
- 1,045,440 square feet of aircraft apron
- 28 truck docks and 87,800 square feet within truck yard area
- Project area of 35 acres

41 Assuming asphalt depth of four inches and concrete depth of eight inches; resulting in 12,800 cubic yards and based on eight cubic yards of haul truck capacity per CalEEMod.

Table 8
Estimated Construction Equipment Usage – Phase 2

Phase	Equipment	Amount	Daily Hours	HP	Load Factor
Demolition	Excavators	3	8	450	0.38
Demolition	Other Construction Equipment	3	8	425	0.42
Demolition	Rubber Tired Dozers	2	8	247	0.40
Demolition	Other Material Handling Equipment	2	8	168	0.40
Site Preparation	Excavators	3	8	425	0.38
Site Preparation	Off-Highway Trucks	3	8	300	0.38
Site Preparation	Plate Compactors	2	8	250	0.43
Site Preparation	Rollers	2	8	120	0.38
Site Preparation	Rubber Tired Dozers	2	8	250	0.40
Site Preparation	Skid Steer Loaders	2	8	225	0.37
Building Construction	Aerial Lifts	5	8	75	0.31
Building Construction	Cranes	2	7	231	0.29
Building Construction	Generator Sets	1	8	84	0.74
Building Construction	Pumps	1	8	200	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8	120	0.37
Building Construction	Welders	1	8	46	0.45
Apron Paving	Graders	1	8	200	0.41
Apron Paving	Other Construction Equipment	1	8	385	0.42
Apron Paving	Pavers	2	8	350	0.42
Apron Paving	Paving Equipment	2	8	132	0.36
Apron Paving	Rollers	2	8	120	0.38
MHE Installation	Aerial Lifts	3	8	75	0.31
MHE Installation	Forklifts	3	8	50	0.20
MHE Installation	Tractors/Loaders/Backhoes	1	8	120	0.37
MHE Installation	Welders	2	8	10	0.45

Source: CalEEMod and Information from project proponent, December 15, 2021.

Basically, construction emission estimates are a function of the type of equipment, an emission factor (typically in grams per horsepower-hour), its horsepower, and the number of hours it is used. Construction emissions from onroad vehicles are a function of the type of vehicle, an emission factor (typically in grams per mile), and the estimated number of miles traveled. The maximum daily construction emissions represent the maximum values from CALEEMOD for either summer or winter time periods.

Table 9: Estimated Maximum Daily Construction Emissions (pounds) – Phase 1 shows the estimated maximum daily emissions for construction related activities (including combustion engine and fugitive dust emissions) for the Proposed Project. For Phase 1, the maximum daily construction emissions would not exceed the SCAQMD thresholds of significance.

Table 9
Estimated Maximum Daily Construction Emissions (pounds) – Phase 1

Construction Year	VOC	CO	NO_x	PM_{10}	$PM_{2.5}$	SO_2
2023	3.67	114	30.0	35.8	8.38	0.31
2024	3.53	96.9	17.9	7.15	2.13	0.22
Significance Thresholds	75	550	100	150	55	150
Significant?	No	No	No	No	No	No

Source: RCH Group, 2022

Table 10: Estimated Maximum Daily Construction Emissions (pounds) – Phase 2 shows the estimated maximum daily emissions for construction related activities (including combustion engine and fugitive dust emissions) for the Proposed Project. For Phase 2, the maximum daily construction emissions would not exceed the SCAQMD thresholds of significance.

Table 10
Estimated Maximum Daily Construction Emissions (pounds) – Phase 2

Construction Year	VOC	CO	NO_x	PM_{10}	$PM_{2.5}$	SO_2
2025	1.56	58.5	9.27	26.9	4.30	0.13
2026	1.56	58.5	11.7	6.34	3.16	0.13
2027	2.29	76.8	11.6	6.35	3.17	0.16
2028	3.13	93.4	17.4	7.15	2.13	0.21
Significance Thresholds	75	550	100	150	55	150
Significant?	No	No	No	No	No	No

Source: RCH Group, 2022

Based on the CalEEMod and using standard fuel consumption estimates, construction activities during Phase 1 would require approximately 241,710 gallons of diesel fuel (onsite equipment) and approximately 87,625 gallons of diesel fuel (offsite haul/vender trucks) along with 62,415 gallons of gasoline fuel (employee trips) while during Phase 2 would require approximately 219,540 gallons of diesel fuel (onsite equipment) and approximately 62,820 gallons of diesel fuel (offsite haul/vender trucks) along with 54,220 gallons of gasoline fuel (employee trips).[42]

42 Fuel usage is estimated using the CalEEMod output for CO2, and a 10.15 kgCO2/gallon conversion factor for diesel fuel and 8.91 kgCO2/gallon conversion factor for gasoline fuel, https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Summary of Construction Emissions Inventory Results

The following concluding statements can be made about the construction emissions inventory results:

- The construction emissions would not exceed the significance threshold and would be a *less than significant impact for all pollutants.*

8.0 OPERATIONAL EMISSIONS INVENTORY

The sources of airport-related air pollutant emissions are aircraft, APU, GSE, stationary sources such as emergency generators, and motor vehicles (employee and deliveries), as well as area sources (consumer products and landscaping), and energy usage (natural gas and electrical). For aircraft, APU, and GSE, the operational emission inventories were prepared using Version 3d of the Federal Aviation Administration's (FAA's) Aviation Environmental Design Tool (AEDT).[43] For employee vehicles and delivery trucks, the operational emission inventories were prepared using CARB's EMFAC emissions model. The air quality analysis of operations includes a review of criteria pollutant emissions such as CO, NO_x, SO_x, VOC as ROG, coarse particulate or PM_{10}, and fine particulate or $PM_{2.5}$. AEDT output worksheets are included in **Attachment B: Construction and Operational Air Emissions Inventory**. The following describes each emission source associated with the Proposed Project:

- **Aircraft** – Exhaust gases from aircraft engines are predominantly comprised of nitrogen, oxygen, and water vapor, compounds not normally considered air pollutants. Aircraft also emit CO, VOC, NO_x, SO_x, PM_{10}, and $PM_{2.5}$. The amount of pollutant emitted depends on factors such as engine type, aircraft type, and operational mode (i.e., taxi/idle, approach, climb-out, or takeoff).

  The aircraft activities comprising a landing/take-off cycle produce ground-based emissions (i.e., emissions in aircraft taxi/idle mode) and emissions that occur above ground level (i.e., during aircraft modes of approach, climb-out, and takeoff). While the taxi/idle mode and portions of the approach and climb-out modes occur within the immediate area—for the purpose of estimating the level of emissions that could impact air pollutants—extends beyond the area described up to the atmospheric mixing height (i.e., the height above ground in which a pollutant disperses). In the Ontario area, the atmospheric mixing height is 2,402 feet above ground level.[44] To be at this altitude, arriving aircraft would be approximately six miles from the Airport (i.e., the evaluation

43 Federal Aviation Administration, Aviation Environmental Design Tool (AEDT) Users Guide, September 2017, https://aedt.faa.gov/

44 South Coast Air Quality Management District, Draft Aircraft Emissions Inventory for South Coast Air Quality Management District, August 2016, http://www.aqmd.gov/docs/default-source/planning/fbmsm-docs/aircraft-emissions-inventory-for-the-south-coast-air-quality-management-district.pdf

includes all aircraft activity occurring approximately six miles from the end of any of the airport's runways).

The number of annual aircraft operations and the aircraft fleet mix for the Baseline (2021) and future conditions (2025 and 2029) was used in the air quality analysis.[45] AEDT default emission factors were used to estimate aircraft emissions for all aircraft. The factors are provided by aircraft engine type and operational mode (i.e., take-off, climb out, approach, and taxi/idle).[46] Aircraft emissions are described within several operational modes: engine startup, taxi in and taxi out, climb (aboveground within takeoff and climb-out) and descend (aboveground within approach and landing). AEDT default times were used for each mode except for ground taxi/delay movements. Times in mode for taxi-in (for arrivals) and taxi-out (for departures) were based on airfield simulation modeling using AirTOP.[47] Of note, the Proposed Project anticipates some operation of electric cargo aircraft.[48] **Attachment A: Emissions Inventory and Dispersion Modeling Methodology and Assumptions** provides information related to aircraft operations used in the air quality analysis.

Notably, the Proposed Project would increase the taxi-in times and taxi-out times associated with non-project aircraft operations. This is a result of the greater number of aircraft operations which decreases airfield taxi efficiency. Therefore, the air quality analysis includes the impacts due to project-related and non-project related aircraft operations.

- **APU** – APU are small turbine engines on an aircraft that are used to start the main engines; provide electrical power to aircraft radios, lights, and other equipment; and power the onboard air conditioning (heating and cooling) system.

  Use of a GPU or gate connections eliminates the need for aircraft to use their own power at the gate except for short periods of time during engine start-up and shut-down. Terminal gates/aprons without pre-conditioned air (PCA)/ground power typically assume an APU operating

45 Aircraft operations which are not directly part of the proposed project are included in the analysis because the project aircraft results in changes in taxi movements and speeds for all airport aircraft (passenger and other cargo operations).

46 For the purposes of the emissions inventories, a landing and take-off cycle is comprised of the following AEDT operational mode categories:

- *Descend Below Mixing Height*: The modes in this category are associated with an aircraft's arrival, beginning at the atmospheric mixing height, and including descend emissions below 1,000 feet, the landing ground roll, and arrival taxi (i.e., taxi-in) emissions.
- *Climb Below Mixing Height:* The modes in this category are associated with an aircraft's departure, beginning with startup and including climb taxi (i.e., taxi-out), takeoff ground roll, climb below 1,000 feet and climb to the atmospheric mixing height.

47 Transoft Solutions, AirTOP, https://www.airtop-software.com/

48 Eviation Aircraft, https://www.eviation.com/

time of 26 minutes (13 minutes during taxi in and 13 minutes during taxi out). Terminal gates/aprons with PCA/ground power typically assume an APU operating time of seven minutes (3.5 minutes during taxi in and 3.5 minutes during taxi out).[49] All of the passenger terminal gates at Ontario International Airport provide PCA and gate power to aircraft.[50] The Proposed Project would provide aircraft parking position power within the Project site which would reduce APU operating times from 26 to seven minutes.

- **GSE** – GSE are equipment used to service aircraft between flights (e.g., cargo loaders, baggage tugs, tow tugs, belt loaders).[51] GSE emissions depend on the level of fuel consumption and distance traveled/operating time. The Proposed Project would include the use and operation of electric-powered equipment, including forklifts, loaders, tugs, ground power units, and ramp support (vans/carts) that would be stored and charged in designated areas in the cargo building and aircraft apron.[52] For the preparation of emissions for GSE, default AEDT emission factors were used and default AEDT operating times were used. The estimated annual fuel usage for the GSE is approximately 8,000 gallons of diesel during Phase 1 while no fuel is used for GSE in Phase 2. The following provides a list of expected GSE associated with the Proposed Project:

Ground Support Equipment	Fuel Type	Number of Units
Loaders (Commander 30)	Electric	12
Belt Loaders	Electric	8
Ground Power Units	Electric	8
Push back Tugs	Electric	5
Stairs (B737)	None	3
Stairs (B747/B767)	None	8
Tugs	Electric	25
Dollies	None	450
Tow bars	None	15
Ramp Support (Vans/Carts)	Electric	5
Large Dollies	None	10
Forklifts	Electric	27

- **Stationary sources** – Airports have a variety of stationary sources, including heating and refrigeration plants, boilers, generators, aircraft engine testing, and fuel storage/transfer

49 Federal Aviation Administration, *Aviation Emissions and Air Quality Handbook Version 3 Update 1, January 2015,* https://www.faa.gov/regulations_policies/policy_guidance/envir_policy/airquality_handbook/

50 APU/GSE associated with passenger, FedEx and UPS aircraft and other similar activities are not affected by the proposed project and therefore, were not included in the analysis.

51 APU/GSE associated with passenger, FedEx and UPS aircraft and other similar activities are not affected by the proposed project and therefore, were not included in the analysis.

52 Diesel-powered fuel trucks would be used during Phase 1 and replaced with electric hydrant carts within Phase 2.

facilities. Emission levels from some stationary sources are regulated through regulatory permits. The Proposed Project includes seven 2.0-megawatt (MW) diesel-engine driven emergency generators; five generators during Phase 1 and an additional two generators within Phase 2.[53] The Applicant shall comply with Rule 201 and 203 (Authority to Construct and Permit to Operate) which require that owners of applicable construction or operation equipment obtain air quality permits from the SCAQMD prior to construction and operation. The facility is being designed to not use any natural gas.

Phase 1 of the proposed Project would require approximately 8.5 MW of power with Phase 2 requiring another 4 MW of power. At full development, the Proposed Project would require approximately 12.5 MW of power.

The Proposed Project would include a 1.5-MW Solar PV Panel system on the rooftop of the Cargo Sorting Building and Parking Structure. Approximately 20 percent of the electrical usage (2,378,973 kilowatts)[54] would be generated by the Solar PV Panel system.

The estimated annual fuel usage, assuming each generator operates 50 hours per year (2 hours per day) is approximately 34,760 gallons of diesel fuel during Phase 1 and approximately 48,660 gallons of diesel fuel during Phase 2.[55]

Motor vehicles – Project-related motor vehicle activity includes employee and delivery trucks.[56] Emissions factors for these sources were obtained from the EMFAC model. For the Proposed Project, electric charging stations would be provided in the employee and visitor parking lots, and truckyard. The motor vehicle fleet mix and fuel type were based on information within EMFAC. Employees would conduct 2,531 trips per day resulting in 35,402 miles per day during Phase 1 and 35,540 miles per day during Phase 2. Delivery trucks would conduct 150 trips per day resulting in 9,889 miles per day during Phase 1 and 224 trips per day resulting in 14,623 miles per day during Phase 2. Employee vehicles would travel 14 miles per trip. Full delivery trucks would travel 90.6 miles per trip during Phase 1 and 88.3 miles per trip during Phase 2. Empty delivery trucks would travel 14 miles per trip.

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53 Passenger terminal (as well as FedEx and UPS) boilers, generators, and other stationary sources are not affected by the proposed project and therefore, were not included in the analysis.

54 Igssolar, Solar Energy Analysis for DHL Southern California, December 15, 2021.

55 Vender Specifications for Standby Generator, https://www.cat.com/en_US/products/new/power-systems/electric-power.html

56 Airport passenger associated motor vehicles, terminal deliveries, FedEx and UPS delivery trucks, and other similar activities are not affected by the proposed project and therefore, were not included in the analysis.

To evaluate the potential impacts of the change in air quality conditions that would result from the Proposed Project, the following conditions were be analyzed:

- No Project
- With Project

Three timeframes will be evaluated:

- Baseline Condition (2021)
- Phase 1 (2025)
- Phase 2 (2029)[57]

The following provides the estimated operational emissions. Notably, project delays that affect the corresponding time period in which Phase 1 and Phase 2 would become operational would likely result in lower emission due to regulatory requirements and greater aircraft engine efficiencies and changes in aircraft fleet mix.

Table 11: Estimated Annual Operational Emissions (tons) – Baseline presents the annual criteria air pollutant emissions for the Baseline Condition (2021).

Table 11
Estimated Annual Operational Emissions (tons) – Baseline

CO	VOC	NO_x	SO_2	PM_{10}	PM_{10}
589	121	574	48.6	5.32	5.32

Source: RCH Group, 2022

Table 12: Estimated Annual Operational Emissions (tons) – Without Project presents the annual criteria air pollutant emissions without the Proposed Project.

Table 12
Estimated Annual Operational Emissions (tons) – Without Project

Condition	CO	VOC	NO_x	SO_2	PM_{10}	PM_{10}
Phase 1	677	135	672	54.2	5.69	5.69
Phase 2	717	142	782	59.7	6.07	6.07

Source: RCH Group, 2022

57 Operational conditions during Phase 2 include Proposed Project activities from both Phase 1 and 2.

Table 13: Estimated Annual Operational Emissions (tons) – With Project presents the annual criteria air pollutant emissions with the Proposed Project.

Table 13
Estimated Annual Operational Emissions (tons) – With Project

Condition	CO	VOC	NO_x	SO_2	PM_{10}	PM_{10}
Phase 1	872	168	838	67.1	7.34	7.09
Phase 2	991	189	1,042	79.7	8.45	8.18

Source: RCH Group, 2022

For the emissions inventory, in order to determine the Proposed Project-related operational impacts associated with air pollutant emissions, the total emissions associated with the Proposed Project that would occur in Phase 1 and Phase 2 including other aircraft operations not associated with the project were compared to the Baseline emissions. The difference between these two conditions was used to determine the significance of the Proposed Project when compared to the SCAQMD thresholds.

- Phase 1 With Project operations compared to the Baseline Condition
- Phase 2 With Project operations compared to the Baseline Condition

Table 14: Estimated Daily Operational Emissions (pounds) – Phase 1 With Project Compared to Baseline presents the daily criteria air pollutant emissions when compared With Project to the Baseline Condition during Phase 1. As shown, the Proposed Project operational emissions during Phase 1 would exceed SCAQMD significance thresholds for CO, VOC, and NO_x, primarily due to aircraft, followed by employee vehicles, delivery trucks, and emergency generators.

Table 14
Estimated Daily Operational Emissions (pounds) – Phase 1 With Project Compared to Baseline

Emission Source	CO	VOC	NO_x	SO_2	PM_{10}	PM_{10}
Aircraft	1,438	238	1,421	97.9	6.58	6.58
APU	12.7	1.00	15.4	1.89	2.07	2.07
GSE	0.11	0.12	0.16	<0.01	0.01	0.01
Employee Motor Vehicles	60.8	0.96	5.43	0.23	1.82	0.74
Delivery Trucks	28.8	0.97	2.45	0.09	0.47	0.19
Emergency Generators	30.7	2.25	5.91	4.34	0.35	0.35
Area Sources	0.37	15.6	<0.01	<0.01	<0.01	<0.01
Grand Total	**1,571**	**259**	**1,451**	**104**	**11.3**	**9.94**
Significance Thresholds	550	55	55	150	150	55
Significant?	**Yes**	**Yes**	**Yes**	No	No	No

Values reflect rounding of totals.
Source: RCH Group, 2022

Table 15: Estimated Daily Operational Emissions (pounds) – Phase 2 With Project Compared to Baseline presents the daily criteria air pollutant emissions when compared With Project to the Baseline Condition. As shown, the Proposed Project operational emissions during Phase 2 would exceed SCAQMD significance thresholds for CO, VOC, NO_x, and SO_2, primarily due to aircraft, followed by employee vehicles, delivery trucks, and emergency generators. Notably, Phase 2 operations would not require fuel trucks and thus, the GSE emissions would be zero.

Table 15
Estimated Daily Operational Emissions (pounds) – Phase 2 With Project Compared to Baseline

Emission Source	CO	VOC	NO_x	SO_2	PM_{10}	PM_{10}
Aircraft	2,097	346	2,529	165	11.2	11.2
APU	20.0	1.54	24.4	3.03	3.38	3.38
GSE	-	-	-	-	-	-
Employee Motor Vehicles	49.6	0.68	3.80	0.21	1.77	0.69
Delivery Trucks	25.5	0.37	1.97	0.12	0.66	0.26
Emergency Generators	30.7	2.25	5.91	4.34	0.35	0.35
Area Sources	0.57	22.2	<0.01	<0.01	<0.01	<0.01
Grand Total	**2,223**	**373**	**2,565**	**173**	**17.3**	**15.8**
Significance Thresholds	550	55	55	150	150	55
Significant?	**Yes**	**Yes**	**Yes**	**Yes**	No	No

Values reflect rounding of totals.
Source: RCH Group, 2022

However, this comparison of the project to the Baseline is influenced by factors that are not attributable to the Project itself. Specifically, the comparison contains future aircraft operations from background growth that are projected to occur with or without the Proposed Project. In order to remove the contribution of background aircraft growth, for CEQA purposes, a second comparison was provided for the Proposed Project and without Proposed Project. This comparison was made for informational purposes only.

- Phase 1 With Project operations compared to the Phase 1 Without Project operations
- Phase 2 With Project operations compared to the Phase 2 Without Project operations

Table 16: Estimated Daily Operational Emissions (pounds) – Phase 1 With Project Compared to Phase 1 Without Project presents the daily criteria air pollutant emissions when compared With Project to the Without Project during Phase 1. As shown, the Proposed Project operational emissions during Phase 1 would exceed SCAQMD significance thresholds for CO, VOC, and NO_x, primarily due to aircraft, followed by employee vehicles, delivery trucks, and emergency generators.

Table 16
Estimated Daily Operational Emissions (pounds) – Phase 1 With Project Compared to Without Project

Emission Source	CO	VOC	NO_x	SO_2	PM_{10}	PM_{10}
Aircraft	955	158	886	67.2	4.55	4.55
APU	12.7	1.00	15.4	1.89	2.07	2.07
GSE	0.11	0.12	0.16	<0.01	0.01	0.01
Employee Motor Vehicles	60.8	0.96	5.43	0.23	1.82	0.74
Delivery Trucks	28.8	0.97	2.45	0.09	0.47	0.19
Emergency Generators	30.7	2.25	5.91	4.34	0.35	0.35
Area Sources	0.37	15.6	<0.01	<0.01	<0.01	<0.01
Grand Total	**1,089**	**179**	**915**	**73.8**	**9.27**	**7.91**
Significance Thresholds	550	55	55	150	150	55
Significant?	**Yes**	**Yes**	**Yes**	No	No	No

Values reflect rounding of totals.
Source: RCH Group, 2022

Table 17: Estimated Daily Operational Emissions (pounds) – Phase 2 With Project Compared to Without Project presents the daily criteria air pollutant emissions when compared With Project to the Without Project during Phase 2. As shown, the Proposed Project operational emissions during Phase 2 would exceed SCAQMD significance thresholds for CO, VOC, and NO_x, primarily due to aircraft, followed by employee vehicles, delivery trucks, and emergency generators.

Table 17
Estimated Daily Operational Emissions (pounds) – Phase 2 With Project Compared to Without Project

Emission Source	CO	VOC	NO_x	SO_2	PM_{10}	PM_{10}
Aircraft	1,392	232	1,390	104	7.05	7.05
APU	20.0	1.54	24.4	3.03	3.38	3.38
GSE	-	-	-	-	-	-
Employee Motor Vehicles	49.6	0.68	3.80	0.21	1.77	0.69
Delivery Trucks	25.5	0.37	1.97	0.12	0.66	0.26
Emergency Generators	30.7	2.25	5.91	4.34	0.35	0.35
Area Sources	0.51	22.2	<0.01	<0.01	<0.01	<0.01
Grand Total	**1,518**	**259**	**1,426**	**112**	**13.2**	**11.7**
Significance Thresholds	550	55	55	150	150	55
Significant?	**Yes**	**Yes**	**Yes**	No	No	No

Values reflect rounding of totals.
Source: RCH Group, 2022

The values comparing the With Project to the Without Project are lower than the previously compared With Project to the Baseline Condition; accountable to the baseline aircraft growth which is not related to the Proposed Project.

Standby Generators

The Proposed Project requires that the entire facility be backed up on generator power to provide emergency power primarily for lighting and other emergency building systems. To accomplish this, it is estimated that seven 2.0-megawatt diesel-engine driven generators are required.

Emergency generator emissions were calculated based on compliance with applicable federal emissions standards and compliance with SCAQMD Rule 1470 (Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines) mandated emission limits and operating hour constraints. This analysis also assumed that the standby generators would operate up to two hours per day and a total of 50 hours per year for testing and maintenance (per SCAQMD Rule 1470 limit). SCAQMD requires that all internal combustion engines (ICE) greater than 50 brake horsepower (bhp) and gas turbines greater than 2,975,000 Btu per hour obtain a permit to construct prior to installation of the engines at a site.

SCAQMD defines a standby ICE or turbine for non-utility power generation as one that does not operate more than 200 hours a year and is only operated in the event of an emergency power failure or for routine testing and maintenance is considered a standby backup generator for power generation. Operators should petition the SCAQMD's Hearing Board for a variance to operate in excess of the allowed 200 hours before it is anticipated that the hours may be exceeded.

- The internal combustion engines must meet SCAQMD's BACT requirements.
- It is advisable before purchasing any equipment to consult with the SCAQMD and apply for approval of a Permit to Construct from the SCAQMD prior to installation of the engine. Typically, the SCAQMD either issues a Permit to Construct or a Permit to Construct/Operate.
- The Applicant would conduct maintenance and/or testing on each of the seven standby generators on separate days to limit daily emissions from maintenance/testing activities.

Summary of Operational Emissions Inventory Results

The following concluding statements can be made about the operational emissions inventory results:

- The operational emissions would exceed the significance threshold for CO, VOC, NOx, and SO_2 and would be a *significant and unavoidable impact on regional air quality.*

9.0 AMBIENT AIR CONCENTRATION IMPACTS

Dispersion is the process by which atmospheric pollutants spread due to wind and vertical stability. The base data for this type of analysis is emissions inventories. A dispersion model uses an emissions inventory to estimate concentrations of pollutants at specific locations. Dispersion models use hourly average meteorological data, terrain elevation data, and source emission release characteristics to compute downwind pollutant concentrations over periods that can range from one hour to one year.

The dispersion model used for the air quality analysis, USEPA's AERMOD (Version 21112), is state-of-the-art. Given the accuracy of the input data, the model results offer the best available estimates with which to predict ambient concentrations of air pollutants. AERMOD simulates point, area, volume, and line emissions sources. AERMOD was executed using regulatory default options for stack-tip downwash, buoyancy-induced dispersion, and final plume rise, default wind speed profile categories, default potential temperature gradients, and—except for an analysis that was performed to convert predicted concentrations of NO_x to concentrations of NO_2 —no pollutant decay.

A dispersion modeling analysis was conducted to assess project-related impacts to local air concentrations of CO, NO_2, PM_{10}, $PM_{2.5}$, and SO_2. Concentrations were compared to SCAQMD's significance thresholds and California/National Ambient Air Quality Standards (CAAQS/NAAQS). The Proposed Project would result in a significant construction and/or operational air quality impact if concentrations from the Proposed Project exceed the significance concentration and operational thresholds set forth in **Table 2: Ambient Air Quality Standards for Criteria Pollutants**.

The SCAQMD's recommended thresholds are based on the difference between the maximum monitored ambient pollutant concentrations in the area and the CAAQS and NAAQS. Therefore, the thresholds depend upon the concentrations of pollutants monitored locally with respect to the Project site. For pollutants that already exceed the CAAQS and NAAQS (e.g., PM_{10} and $PM_{2.5}$), the thresholds are based on SCAQMD Rule 403 for construction and Rule 1303 for operations. Because the concentration thresholds are designed to attain or maintain the CAAQS and NAAQS, they are set at levels that would protect human health.

Attachment A: Emissions Inventory and Dispersion Modeling Methodology and Assumptions provides documentation of the Ontario International Airport Cargo Development Air Quality Modeling Protocol, which has been reviewed by the SCAQMD, and describes the data used within the air quality modeling and how the air quality modeling would be performed.

The methodology for CO, NO_2, and SO_2 requires that the project-related contributions for these pollutants be added to existing background concentrations and the summation be compared to the appropriate

threshold. The significance thresholds for PM_{10} and $PM_{2.5}$ represent the allowable increase in concentrations above background levels that would not cause or contribute to an exceedance of the CAAQS and NAAQS.

For the air quality analysis, the construction and operational emissions due to the Proposed Project were assessed with respect to the thresholds using dispersion modeling:

- CO – The significance thresholds for CO are the 1-hour and 8-hour CAAQS of 23 milligrams per cubic meter (mg/m^3) and 10 mg/m^3, respectively (or 20 and 9 ppm). For CO, the CAAQS are at least as stringent as the NAAQS, therefore, compliance with CAAQS indicates compliance with NAAQS. The project incremental concentrations were added to background concentrations before comparison to the ambient standards.

- NO_2 – The significance thresholds for the 1-hour NO_2 concentration is the 1-hour NO_2 CAAQS of 339 $\mu g/m^3$ (0.18 ppm). The significance thresholds for the 1-hour NO_2 concentration is the 1-hour NO_2 CAAQS of 57 $\mu g/m^3$ (0.03 ppm), which is more stringent than the annual NO_2 NAAQS of 100 $\mu g/m^3$ (0.053 ppm), therefore, compliance with CAAQS indicates compliance with NAAQS. The project incremental concentrations were added to background concentrations before comparison to the ambient standards.

- SO_2 - The significance thresholds for the 1-hour SO_2 concentration is the 1-hour SO_2 CAAQS of 655 $\mu g/m^3$ (0.25 ppm) and the 1-hour SO_2 NAAQS of 196 $\mu g/m^3$ (0.075 ppm). The significance thresholds for the daily SO_2 concentration is the 24-hour SO_2 CAAQS of 105 $\mu g/m^3$ (0.04 ppm). The 3-hour NAAQS for SO_2 is 1,300 $\mu g/m^3$ (0.5 ppm), which is double the value of the 1-hour SO_2 CAAQS, therefore, the significance determination for the 1-hour SO_2 CAAQS represents the significance determination of the 3-hour SO_2 for NAAQS. The project incremental concentrations were added to background concentrations before comparison to the ambient standards.

- PM_{10} and $PM_{2.5}$ – The significance thresholds for PM_{10} and $PM_{2.5}$ concentrations ate the CEQA thresholds developed by the SCAQMD. For both PM_{10} and $PM_{2.5}$, SCAQMD develop separate daily thresholds for construction (10.4 $\mu g/m^3$) and operations (2.5 $\mu g/m^3$). SCAQMD also developed an annual threshold for PM_{10} of 1.0 $\mu g/m^3$ applicable to both construction and operations. These thresholds are relative to the project incremental impacts; thus, project-related concentrations were not added to background constriction before comparing to these thresholds.

Table 18: Estimated Concentration Impacts from Construction Activities – Phase 1 provides the Proposed Project air concentrations from construction activities for nearby receptors.

Ambient Air Quality Concentrations Due to Construction Activities

An air quality analysis was conducted to determine the ambient concentrations at nearby receptors which would result from project construction activities. **Attachment A: Emissions Inventory and Dispersion Modeling Methodology and Assumptions** provides detailed information about the location of air quality receptors used in the dispersion modeling analysis of criteria pollutants (NO_2, CO, SO_2, PM_{10}, and $PM_{2.5}$). These receptors are designed to represent offsite locations where a person has access and can be situated for an hour or longer at a time (which is different from the HRA receptors which are designed to represent specific residences, schools, daycares, and offsite worker locations). The ambient air quality standards analysis results are presented for Phase 1 and 2. The maximum impacts due to construction activities occur near the Project site along the Airport boundary and dissipate moderately within 1,000 feet of the Project site. Phase 1 construction activities would occur during 2023 and 2024 while Phase 2 construction activities would occur from 2025 through 2029.

As shown in **Table 18: Estimated Concentration Impacts from Construction Activities – Phase 1**, for the air quality receptors during project construction during Phase 1, the maximum incremental 1-hour NO_2 impacts, including background concentrations, would be 0.09 ppm, which is below the State threshold of 0.18 ppm. The maximum project construction incremental annual NO_2 impacts including background concentrations would be 0.02 ppm, which is below the thresholds of 0.03 ppm (state) and below the threshold of 0.053 ppm (federal). Therefore, construction activities would not exceed the 1-hour and annual NO_2 thresholds and would be a *less than significant air quality impact of NO_2 due to construction activities during Phase 1*.

As shown in **Table 18: Estimated Concentration Impacts from Construction Activities – Phase 1**, for the air quality receptors during Project construction during Phase 1, the maximum incremental 24-hour and annual PM_{10} impacts would be 3.67 µg/m^3 and 0.09 µg/m^3, respectively. Impacts would be below the 24-hour PM_{10} threshold of 10.4 µg/m^3 and the annual PM_{10} threshold of 1.0 µg/m^3. The Project construction maximum incremental 24-hour $PM_{2.5}$ impacts would be 0.97 µg/m^3, which would be below the 24-hour $PM_{2.5}$ threshold of 10.4 µg/m^3. Therefore, construction activities would result in a *less than significant air quality impact of PM_{10} and $PM_{2.5}$ due to construction activities Phase 1*. The PM_{10} and $PM_{2.5}$ concentrations include construction exhaust and fugitive dust.

Additionally, as shown in **Table 18: Estimated Concentration Impacts from Construction Activities – Phase 1**, for the air quality receptors during project construction, the maximum incremental SO_2 and CO impacts including background concentrations would be well below the significance thresholds and would be a *less than significant air quality impact of SO_2 and CO due to construction activities during Phase 1*.

Table 18
Estimated Concentration Impacts from Construction Activities – Phase 1

Criteria	CAAQS 1-Hour NO_2 (ppm)	CAAQS Annual NO_2 (ppm)	NAAQS Annual NO_2 (ppm)	24-Hour PM_{10} ($\mu g/m^3$)	Annual PM_{10} ($\mu g/m^3$)	24-Hour $PM_{2.5}$ ($\mu g/m^3$)	CAAQS 1-Hour SO_2 (ppm)	NAAQS 1-Hour SO_2 (ppm)	24-Hour SO_2 (ppm)	1-Hour CO (ppm)	8-Hour CO (ppm)
Phase 1 Project Increment	0.02	<0.01	<0.01	3.67	0.09	0.97	<0.01	<0.01	<0.01	0.12	0.01
Background Concentration	0.08	0.02	0.02				<0.01	<0.01	<0.01	2.70	1.20
Total Concentration	**0.09**	**0.02**	**0.02**	**3.67**	**0.09**	**0.97**	**<0.01**	**<0.01**	**<0.01**	**2.82**	**1.21**
Significance Threshold	0.18	0.03	0.053	10.4	1.00	10.4	0.25	0.075	0.04	20.0	9.00
Potentially Significant (Yes or No)?	No	No	No	No	No	No	No	No	No	No	No
Percent of Threshold	52	63	36	35	9	9	1	4	3	14	13

Source: RCH Group, 2022
Total concentrations reflect rounding of values. Per SCAQMD guidance, PM_{10} and $PM_{2.5}$ impacts do not include background concentrations.

Table 19
Estimated Concentration Impacts from Construction Activities – Phase 2

Criteria	CAAQS 1-Hour NO_2 (ppm)	CAAQS Annual NO_2 (ppm)	NAAQS Annual NO_2 (ppm)	24-Hour PM_{10} ($\mu g/m^3$)	Annual PM_{10} ($\mu g/m^3$)	24-Hour $PM_{2.5}$ ($\mu g/m^3$)	CAAQS 1-Hour SO_2 (ppm)	NAAQS 1-Hour SO_2 (ppm)	24-Hour SO_2 (ppm)	1-Hour CO (ppm)	8-Hour CO (ppm)
Phase 2 Project Increment	0.02	<0.01	<0.01	3.66	0.11	0.65	<0.01	<0.01	<0.01	0.14	0.01
Background Concentration	0.08	0.02	0.02				0.10	1.03	<0.01	2.70	1.20
Total Concentration	**0.09**	**0.02**	**0.02**	**3.66**	**0.11**	**0.65**	**<0.01**	**<0.01**	**<0.01**	**2.84**	**1.21**
Significance Threshold	0.18	0.03	0.053	10.4	1.00	10.4	0.25	0.075	0.04	20.0	9.00
Potentially Significant (Yes or No)?	No	No	No	No	No	No	No	No	No	No	No
Percent of Threshold	51	63	36	35	11	6	1	4	3	14	13

Source: RCH Group, 2022
Total concentrations reflect rounding of values. Per SCAQMD guidance, PM_{10} and $PM_{2.5}$ impacts do not include background concentrations.

Table 19: Estimated Concentration Impacts from Construction Activities – Phase 2 provides the Proposed Project air concentrations from construction activities for nearby receptors.

As shown in **Table 19: Estimated Concentration Impacts from Construction Activities – Phase 2**, for the air quality receptors during project construction during Phase 2, the maximum incremental 1-hour NO_2 impacts, including background concentrations, would be 0.09 ppm, which is below the State threshold of 0.18 ppm. The maximum project construction incremental annual NO_2 impacts including background concentrations would be 0.02 ppm, which is below the thresholds of 0.03 ppm (state) and below the threshold of 0.053 ppm (federal). Therefore, construction activities would not exceed the 1-hour and annual NO_2 thresholds and would be a *less than significant air quality impact of NO_2 due to construction activities during Phase 2*.

For the air quality receptors during project construction during Phase 2, the maximum incremental 24-hour and annual PM_{10} impacts would be 3.66 µg/m^3 and 0.11 µg/m^3, respectively. The project construction maximum incremental 24-hour $PM_{2.5}$ impacts would be 0.65 µg/m^3, which would be below the 24-hour $PM_{2.5}$ threshold of 10.4 µg/m^3. Therefore, construction activities would result in a *less than significant air quality impact of PM_{10} and $PM_{2.5}$ due to construction activities during Phase 2*. The PM_{10} and $PM_{2.5}$ concentrations include construction exhaust and fugitive dust.

Additionally, as shown in **Table 19: Estimated Concentration Impacts from Construction Activities – Phase 2**, for the air quality receptors during project construction during Phase 2, the maximum incremental SO_2 and CO impacts including background concentrations would be well below the significance thresholds and would be a *less than significant air quality impact of SO_2 and CO due to construction activities during Phase 2*.

As discussed previously, the federal and State standards have been set at levels considered safe to protect public health, including the health of "sensitive" populations, such as asthmatics, children, and the elderly with a margin of safety; and to protect public welfare, including protection against decreased visibility and damage to animals, crops, vegetation, and buildings. Based on the results shown in **Table 18: Estimated Concentration Impacts from Construction Activities – Phase 1** and **Table 19: Estimated Concentration Impacts from Construction Activities – Phase 2**, construction of the proposed Project is not likely to result in adverse health effects as a result of its criteria air pollutant emissions.

Ambient Air Quality Concentrations Due to Operational Activities

An air quality analysis was conducted to determine the ambient concentrations at nearby receptors which would result from project operations. Proposed Project includes the operation of aircraft, APU, GSE, stationary sources, and employee vehicles and delivery trucks. For the air dispersion modeling, to evaluate

impacts associated with the Proposed Project in isolation (i.e., without including impacts associated with existing airport operations), concentrations associated with the Baseline Condition was subtracted from future year with project concentrations (i.e., project-related concentrations). Then, to determine the total concentrations for CO, SO_2, and NO_2, these project-related concentrations were added to a background concentration (i.e., representing other nearby emission sources not associated with the airport or the project) based on nearby existing ambient monitoring station(s). For 1-hour NO_2 concentrations, the background concentrations were based on seasonal/temporal computations. For CO, SO_2, and NO_2, these total concentrations were compared to the California and National AAQS. Per SCAQMD guidance, the project-related concentrations of PM_{10} and $PM_{2.5}$ were compared to the SCAQMD significance thresholds for PM_{10} and $PM_{2.5}$ (without adding background concentrations). Further information on the background concentrations is provided in **Attachment A: Emissions Inventory and Dispersion Modeling Methodology and Assumptions**.

- Phase 1 With Project operations compared to the Baseline Condition
- Phase 2 With Project operations compared to the Baseline Condition

Table 20: Estimated Operational Concentration Impacts – Phase 1 With Project Compared to Baseline provides the Proposed Project air concentrations during Phase 1 With Project compared to the Baseline Condition.

Table 21: Estimated Operational Concentration Impacts – Phase 2 With Project Compared to Baseline provides the Proposed Project air concentrations during Phase 2 With Project compared to the Baseline Condition.

As shown in **Table 20: Estimated Operational Concentration Impacts – Phase 1 With Project Compared to Baseline**, for the air quality receptors during project operations, the incremental 1-hour NO_2 impacts, including background concentrations, would be a maximum of 0.13 ppm, which is below the State threshold of 0.18 ppm. The maximum project operation incremental annual NO_2 impacts, including background concentrations, would be 0.02 ppm, which is below the thresholds of 0.03 ppm (state) and below the threshold of 0.053 ppm (federal). Therefore, operation activities would not exceed the 1-hour and annual NO_2 thresholds and would result in a *less than significant air quality impact of 1-hour and annual NO_2 due to operation activities during Phase 1.*

Table 20
Estimated Concentration Impacts from Operational Activities – Phase 1 With Project Compared to Baseline

Criteria	CAAQS 1-Hour NO_2 (ppm)	CAAQS Annual NO_2 (ppm)	NAAQS Annual NO_2 (ppm)	24-Hour PM_{10} ($\mu g/m^3$)	Annual PM_{10} ($\mu g/m^3$)	24-Hour $PM_{2.5}$ ($\mu g/m^3$)	CAAQS 1-Hour SO_2 (ppm)	NAAQS 1-Hour SO_2 (ppm)	24-Hour SO_2 (ppm)	1-Hour CO (ppm)	8-Hour CO (ppm)
Project Increment		<0.01	<0.01	0.64	0.20	0.39	<0.01	<0.01	<0.01	0.18	0.05
Background Concentration		0.02	0.02				<0.01	<0.01	<0.01	2.70	1.20
Total Concentration	**0.13**	**0.02**	**0.02**	**0.64**	**0.20**	**0.39**	**<0.01**	**<0.01**	**<0.01**	**2.88**	**1.25**
Significance Threshold	0.18	0.03	0.0534	2.5	1.0	2.5	0.25	0.075	0.04	20.0	9.00
Potentially Significant (Yes or No)?	No	No	No	No	No	No	No	No	No	No	No
Percent of Threshold	70	69	39	26	20	16	3	10	2	14	14

Source: RCH Group, 2022

The incremental peak concentration was determined by calculating the difference between the With Project and the Baseline Condition at each receptor, then selecting the maximum value across all receptors. Total concentrations reflect rounding of values. Per SCAQMD guidance, PM_{10} and $PM_{2.5}$ impacts do not include background concentrations.
Background NO2 concentrations were included in the AERMOD (as seasonal/temporal values); thus, AERMOD directly calculated the total Project plus background.

Table 21
Estimated Concentration Impacts from Operational Activities – Phase 2 With Project Compared to Baseline

Criteria	CAAQS 1-Hour NO_2 (ppm)	CAAQS Annual NO_2 (ppm)	NAAQS Annual NO_2 (ppm)	24-Hour PM_{10} ($\mu g/m^3$)	Annual PM_{10} ($\mu g/m^3$)	24-Hour $PM_{2.5}$ ($\mu g/m^3$)	CAAQS 1-Hour SO_2 (ppm)	NAAQS 1-Hour SO_2 (ppm)	24-Hour SO_2 (ppm)	1-Hour CO (ppm)	8-Hour CO (ppm)
Project Increment		<0.01	<0.01	0.98	0.22	0.83	<0.01	<0.01	<0.01	0.21	0.08
Background Concentration		0.02	0.02				<0.01	<0.01	<0.01	2.70	1.20
Total Concentration	**0.16**	**0.02**	**0.02**	**0.98**	**0.22**	**0.83**	**<0.01**	**<0.01**	**<0.01**	**2.91**	**1.28**
Significance Threshold	0.18	0.03	0.0534	2.5	1.0	2.5	0.25	0.075	0.04	20.0	9.00
Potentially Significant (Yes or No)?	No	No	No	No	No	No	No	No	No	No	No
Percent of Threshold	86	75	42	39	22	33	3	9	3	15	14

Source: RCH Group, 2022

The incremental peak concentration was determined by calculating the difference between the With Project and the Baseline Condition at each receptor, then selecting the maximum value across all receptors. Total concentrations reflect rounding of values. Per SCAQMD guidance, PM_{10} and $PM_{2.5}$ impacts do not include background concentrations.
Background NO2 concentrations were included in the AERMOD (as seasonal/temporal values); thus, AERMOD directly calculated the total Project plus background.

As shown in **Table 20: Estimated Operational Concentration Impacts – Phase 1 With Project Compared to Baseline**, for the air quality receptors during project operation, the maximum incremental 24-hour and annual PM_{10} impacts would be 0.64 µg/m^3 and 0.20 µg/m^3, respectively; impacts would be below the 24-hour PM_{10} threshold of 2.5 µg/m^3 and below the annual PM_{10} threshold of 1.0 µg/m^3. The project operation maximum incremental 24-hour $PM_{2.5}$ impacts would be 0.39 µg/m^3, which would be below the 24-hour $PM_{2.5}$ threshold of 2.5 µg/m^3. Therefore, operation activities would result in a *less than significant air quality impact of PM_{10} and $PM_{2.5}$ due to operation activities during Phase 1*.

Additionally, as shown in **Table 20: Estimated Operational Concentration Impacts – Phase 1 With Project Compared to Baseline**, for the air quality receptors during project operation, the maximum incremental SO_2 and CO impacts including background concentrations would be well below the significance thresholds and would be a *less than significant air quality impact of SO_2 and CO due to operation activities during Phase 1*.

As shown in **Table 21: Estimated Operational Concentration Impacts – Phase 2 With Project Compared to Baseline**, for the air quality receptors during project operations, the incremental 1-hour NO_2 impacts, including background concentrations, would be a maximum of 0.16 ppm, which is below the State threshold of 0.18 ppm. The maximum project operation incremental annual NO_2 impacts, including background concentrations, would be 0.02 ppm, which is below the thresholds of 0.03 ppm (state) and below the threshold of 0.053 ppm (federal). Therefore, operation activities would not exceed the 1-hour and annual NO_2 thresholds and would result in a *less than significant air quality impact of 1-hour and annual NO_2 due to operation activities during Phase 2.*

As shown in **Table 21: Estimated Operational Concentration Impacts – Phase 2 With Project Compared to Baseline**, for the air quality receptors during project operation, the maximum incremental 24-hour and annual PM_{10} impacts would be 0.98 µg/m^3 and 0.22 µg/m^3, respectively; impacts would be below the 24-hour PM_{10} threshold of 2.5 µg/m^3 and below the annual PM_{10} threshold of 1.0 µg/m^3. The project operation maximum incremental 24-hour $PM_{2.5}$ impacts would be 0.83 µg/m^3, which would be below the 24-hour $PM_{2.5}$ threshold of 2.5 µg/m^3. Therefore, operation activities would result in a *less than significant air quality impact of PM_{10} and $PM_{2.5}$ due to operation activities during Phase 2*.

Additionally, as shown in **Table 21: Estimated Operational Concentration Impacts – Phase 2 With Project Compared to Baseline**, for the air quality receptors during project operation, the maximum incremental SO_2 and CO impacts including background concentrations would be well below the significance thresholds and would be a *less than significant air quality impact of SO_2 and CO due to operation activities during Phase 2*.

As with the emissions inventory results, a second comparison was made in order to remove the influence of background airport growth by comparing the concentrations from future year with Proposed Project and the future year without Proposed Project. This comparison was made for informational purposes only.

- Phase 1 With Project operations compared to the Phase 1 Without Project operations
- Phase 2 With Project operations compared to the Phase 2 Without Project operations

Table 22: Estimated Operational Concentration Impacts – Phase 1 With Project Compared to Without Project provides the Proposed Project air concentrations during Phase 1 With Project compared to Without Project.

Table 23: Estimated Operational Concentration Impacts – Phase 2 With Project Compared to Without Project provides the Proposed Project air concentrations during Phase 2 With Project compared to Without Project.

As shown in **Table 22: Estimated Operational Concentration Impacts – Phase 1 With Project Compared to Without Project**, for the air quality receptors during project operations, the incremental 1-hour NO_2 impacts, including background concentrations, would be a maximum of 0.08 ppm, which is below the State threshold of 0.18 ppm. The maximum project operation incremental annual NO_2 impacts, including background concentrations, would be 0.02 ppm, which is below the thresholds of 0.03 ppm (state) and 0.053 ppm (federal). Therefore, operation activities would not exceed the 1-hour and annual NO_2 thresholds and would result in a *less than significant air quality impact of 1-hour and annual NO_2 due to operation activities during Phase 1.*

As shown in **Table 22: Estimated Operational Concentration Impacts – Phase 1 With Project Compared to Without Project**, for the air quality receptors during project operation, the maximum incremental 24-hour and annual PM_{10} impacts would be 0.65 µg/m^3 and 0.20 µg/m^3, respectively; impacts would be below the 24-hour PM_{10} threshold of 2.5 µg/m^3 and below the annual PM_{10} threshold of 1.0 µg/m^3. The project operation maximum incremental 24-hour $PM_{2.5}$ impacts would be 0.40 µg/m^3, which would be below the 24-hour $PM_{2.5}$ threshold of 2.5 µg/m^3. Therefore, operation activities would result in a *less than significant air quality impact of PM_{10} and $PM_{2.5}$ due to operation activities during Phase 1*.

Table 22
Estimated Concentration Impacts from Operational Activities – Phase 1 With Project Compared to Without Project

Criteria	CAAQS 1-Hour NO_2 (ppm)	CAAQS Annual NO_2 (ppm)	NAAQS Annual NO_2 (ppm)	24-Hour PM_{10} ($\mu g/m^3$)	Annual PM_{10} ($\mu g/m^3$)	24-Hour $PM_{2.5}$ ($\mu g/m^3$)	CAAQS 1-Hour SO_2 (ppm)	NAAQS 1-Hour SO_2 (ppm)	24-Hour SO_2 (ppm)	1-Hour CO (ppm)	8-Hour CO (ppm)
Project Increment		<0.01	<0.01	0.65	0.20	0.40	<0.01	<0.01	<0.01	0.15	0.04
Background Concentration		0.02	0.02				<0.01	<0.01	<0.01	2.70	1.20
Total Concentration	**0.08**	**0.02**	**0.02**	**0.65**	**0.20**	**0.40**	**<0.01**	**<0.01**	**<0.01**	**2.85**	**1.24**
Significance Threshold	0.18	0.03	0.0534	2.5	1.0	2.5	0.25	0.075	0.04	20.0	9.00
Potentially Significant (Yes or No)?	No	No	No	No	No	No	No	No	No	No	No
Percent of Threshold	47	66	37	26	20	16	3	8	1	14	14

Source: RCH Group, 2022
The incremental peak concentration was determined by calculating the difference between the With Project and the Without Project at each receptor, then selecting the maximum value across all receptors. Total concentrations reflect rounding of values. Per SCAQMD guidance, PM_{10} and $PM_{2.5}$ impacts do not include background concentrations.
Background NO2 concentrations were included in the AERMOD (as seasonal/temporal values); thus, AERMOD directly calculated the total Project plus background.

Table 23
Estimated Concentration Impacts from Operational Activities – Phase 2 With Project Compared to Without Project

Criteria	CAAQS 1-Hour NO_2 (ppm)	CAAQS Annual NO_2 (ppm)	NAAQS Annual NO_2 (ppm)	24-Hour PM_{10} ($\mu g/m^3$)	Annual PM_{10} ($\mu g/m^3$)	24-Hour $PM_{2.5}$ ($\mu g/m^3$)	CAAQS 1-Hour SO_2 (ppm)	NAAQS 1-Hour SO_2 (ppm)	24-Hour SO_2 (ppm)	1-Hour CO (ppm)	8-Hour CO (ppm)
Project Increment		<0.01	<0.01	0.96	0.21	0.82	<0.01	<0.01	<0.01	0.37	0.12
Background Concentration		0.02	0.02				<0.01	<0.01	<0.01	2.70	1.20
Total Concentration	**0.09**	**0.02**	**0.02**	**0.96**	**0.21**	**0.82**	**<0.01**	**<0.01**	**<0.01**	**3.07**	**1.32**
Significance Threshold	0.18	0.03	0.0534	2.5	1.0	2.5	0.25	0.075	0.04	20.0	9.00
Potentially Significant (Yes or No)?	No	No	No	No	No	No	No	No	No	No	No
Percent of Threshold	51	71	40	38	21	33	3	9	2	15	15

Source: RCH Group, 2022
The incremental peak concentration was determined by calculating the difference between the With Project and the Without Project at each receptor, then selecting the maximum value across all receptors. Total concentrations reflect rounding of values. Per SCAQMD guidance, PM_{10} and $PM_{2.5}$ impacts do not include background concentrations.
Background NO2 concentrations were included in the AERMOD (as seasonal/temporal values); thus, AERMOD directly calculated the total Project plus background.

Additionally, as shown in **Table 22: Estimated Operational Concentration Impacts – Phase 1 With Project Compared to Without Project**, for the air quality receptors during project operation, the maximum incremental SO_2 and CO impacts including background concentrations would be well below the significance thresholds and would be a *less than significant air quality impact of SO_2 and CO due to operation activities during Phase 1*.

Table 23: Estimated Operational Concentration Impacts – Phase 2 With Project Compared to Without Project provides the Proposed Project air concentrations during Phase 2 With Project compared to Without Project.

As shown in **Table 23: Estimated Operational Concentration Impacts – Phase 2 With Project Compared to Without Project**, for the air quality receptors during project operations, the incremental 1-hour NO_2 impacts, including background concentrations, would be a maximum of 0.09 ppm, which is below the State threshold of 0.18 ppm. The maximum project operation incremental annual NO_2 impacts, including background concentrations, would be 0.02 ppm, which is below the thresholds of 0.03 ppm (state) and 0.053 ppm (federal). Therefore, operation activities would not exceed the 1-hour and annual NO_2 thresholds and would result in a *less than significant air quality impact of 1-hour and annual NO_2 due to operation activities during Phase 2.*

As shown in **Table 23: Estimated Operational Concentration Impacts – Phase 2 With Project Compared to Without Project**, for the air quality receptors during project operation, the maximum incremental 24-hour and annual PM_{10} impacts would be 0.96 µg/m^3 and 0.21 µg/m^3, respectively; impacts would be below the 24-hour PM_{10} threshold of 2.5 µg/m^3 and below the annual PM_{10} threshold of 1.0 µg/m^3. The project operation maximum incremental 24-hour $PM_{2.5}$ impacts would be 0.82 µg/m^3, which would be below the 24-hour $PM_{2.5}$ threshold of 2.5 µg/m^3. Therefore, operation activities would result in a *less than significant air quality impact of PM_{10} and $PM_{2.5}$ due to operation activities during Phase 2*.

Additionally, as shown in **Table 23: Estimated Operational Concentration Impacts – Phase 2 With Project Compared to Without Project**, for the air quality receptors during project operation, the maximum incremental SO_2 and CO impacts including background concentrations would be well below the significance thresholds and would be a *less than significant air quality impact of SO_2 and CO due to operation activities during Phase 2*.

As discussed previously, the federal and State standards have been set at levels considered safe to protect public health, including the health of "sensitive" populations, such as asthmatics, children, and the elderly with a margin of safety; and to protect public welfare, including protection against decreased visibility and damage to animals, crops, vegetation, and buildings. Based on the results shown in **Table 20** through **Table**

23, operation of the Proposed Project is not likely to result in adverse health effects as a result of its criteria air pollutant emissions.

Ambient Air Quality Concentrations Associated with Roadway Intersections

Localized CO concentrations associated with motor vehicle travel on area roadways were evaluated using a screening method based on the California Line Source Dispersion Model (CALINE-4) microscale dispersion model, developed by Caltrans, in combination with EMFAC2021 emission factors. In traffic studies, the term "level of service" (LOS) describes traffic performance at roadway intersections and is generally expressed as a letter grade (A through F, with an F grade reflecting highly congested traffic conditions).

To establish a more accurate record of baseline CO concentrations affecting the Basin, a CO "hot spot" analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. The busiest intersection evaluated was at Wilshire Boulevard and Veteran Avenue, which has a daily traffic volume of approximately 100,000 vehicles per day. The SCAQMD 2003 AQMP estimated that the 1-hour concentration for this intersection was 4.6 ppm, which indicates that the most stringent 1-hour CO standard (20.0 ppm) would likely not be exceeded until the daily traffic at the intersection exceeded more than 400,000 vehicles per day.[58] Additionally, the SCAQMD also recommends an evaluation of potential localized CO impacts when a project causes the LOS at a study intersection to worsen from C to D, or if a project increases the V/C ratio at any intersection rated D or worse by 2 percent or more.

None of the Project's studied intersections would exceed 400,000 vehicles per day. Additionally, none of the Project's study intersections worsen from C to D or increase the V/C ratio at any intersection rated D or worse by two percent or more. As such, the Project would not produce the volume of traffic required to generate a CO hot spot in the context of the 2003 AQMP hot spot study.

To further support this conclusion, CO concentration levels were forecasted at the Project's three most potentially impacted intersections using the CALINE-4 dispersion model developed by Caltrans, peak-hour traffic volumes, and conservative meteorological assumptions. The following intersections were evaluated because the Proposed Project's transportation study found that they would operate below LOS standards (i.e., LOS E/F):

1. Euclid Avenue/SR-83 at Mission Boulevard

58 South Coast Air Quality Management District, 2003 AQMP Appendix V, August 2003.

2. Bon View Avenue at Mission Boulevard

3. Airport Drive at Haven Avenue

Project-generated traffic volumes are forecasted to have a negligible effect on the projected 1-hour and 8-hour CO concentrations at each of the three intersection locations analyzed. Thus, the project would not cause any new or exacerbate any existing CO hot spots, and, as a result, health impacts related to localized mobile-source CO emissions would not be considered significant. **Attachment A: Emissions Inventory and Dispersion Modeling Methodology and Assumptions** contains a memorandum concerning the CO intersection analysis and detailed results.

Summary of Air Quality Concentration Assessment Results

The following concluding statements can be made about the ambient air quality analysis results:

- The maximum concentrations of the 1-hour and annual NO_2 impacts including background concentrations would not exceed the significance threshold and would be a *less than significant impact for all offsite receptors due to construction and operational activities during Phase 1 and 2*.

- The maximum concentrations of 24-hour and annual PM_{10} and 24-hour $PM_{2.5}$ would not exceed the significance threshold and would be *less than significant impact for all offsite receptors due to construction and operational activities during Phase 1 and 2*.

- The maximum concentrations of SO_2 and CO including background concentrations would be well below the significance thresholds and would be a *less than significant air quality impact of SO_2 and CO on all nearby receptors due to construction and operational activities during Phase 1 and 2*.

10.0 HEALTH RISK ASSESSMENT

The Proposed Project is expected to emit a variety of air toxics and a health risk assessment (HRA) was completed to evaluate the health impacts of the Proposed Project as required by the SCAQMD. The Proposed Project would constitute a new emission source of diesel particulate matter (DPM) due to its construction activities and haul trucks. Studies have demonstrated that DPM from diesel-fueled engines is a human carcinogen and that chronic (long-term) inhalation exposure to DPM poses a chronic health risk. Secondly, various air toxics would be emitted by the aircraft during operations.[59] The HRA focuses on

59 Toxic air contaminants are a broad class of compounds known to cause morbidity or mortality. TAC are found in ambient air, especially in urban areas, and are caused by industry, agriculture, fuel combustion, and commercial operations (e.g., gasoline service stations, dry cleaners). TAC are typically found in low concentrations, even near their source (e.g., diesel particulate matter near a freeway). Because chronic exposure can result in adverse health effects, TAC are regulated at the regional, state, and federal level.

impacts on existing residences, schools, offsite workers, and other sensitive populations (including onsite workers within the passenger terminal and other areas within the Airport).

Health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. Individual cancer risk is the likelihood that a person exposed to air toxic concentrations over a 30-year lifetime will contract cancer, based on the use of standard risk-assessment methodology. The maximally exposed individual (MEI) represents the worst–case risk estimate, based on a theoretical person continuously exposed for a lifetime at the point of highest compound concentration in the air. This is a highly conservative assumption since most people do not remain at home all day and on average residents change residences every 11 to 12 years. In addition, this assumption assumes that residents are experiencing outdoor concentrations for the entire exposure period.

The HRA was conducted following methodologies in OEHHA's *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*[60] and SCAQMD's *Risk Assessment Procedures for Rule 1401, 1401.1 and 212*.[61] This was accomplished by applying the estimated concentrations at the receptors analyzed to the established cancer risk estimates and acceptable reference concentrations for noncancer health effects.

Recent OEHHA's revisions to its Guidance Manual were primarily designed to ensure that the greater sensitivity of children to cancer and other health risks is reflected in the HRA. For example, OEHHA now recommends that risks be analyzed separately for multiple age groups, focusing especially on young children and teenagers, rather than the past practice of analyzing risks to the general population, without distinction by age. OEHHA also now recommends that statistical "age sensitivity factors" be incorporated into an HRA, and that children's relatively high breathing rates be accounted for. On the other hand, the Guidance Manual revisions also include some changes that would reduce calculated health risks. For example, under the former guidance, OEHHA recommended that residential cancer risks be assessed by assuming 70 years of exposure at a residential receptor; under the Guidance Manual, this assumption is lessened to 30 years.

CARB and OEHHA have identified the following groups of individuals as the most likely to be affected by air pollution: the elderly over 65, children under 14, infants (including in utero in the third trimester of pregnancy), and persons with cardiovascular and chronic respiratory diseases such as asthma,

60 Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, February 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html

61 South Coast Air Quality Management District, Risk Assessment Procedures for Rule 1401, 1401.1 and 212, September 1, 2017, http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12

emphysema, and bronchitis. Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved and are referred to as sensitive receptors. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. For health risk assessments, the health impacts are analyzed for individual residents assumed to be standing in their primary outdoor spaces closest to the source of air toxics and for individual offsite workers assumed to be standing outside of a commercial or industrial building.

Land uses surrounding the Airport are primarily industrial/commercial. Distances from the Airport boundary to residential zoned areas are approximately 1,200 feet (0.23 miles) to the northwest, 1,300 feet (0.25 miles) to the southwest, 2,800 feet (0.53 miles) to the north, 3,600 feet (0.68 miles) to the west, and 6,500 feet (1.2 miles) to the south. However, there also are some residences located within the industrial/ commercial areas to the west and south. The closest existing sensitive receptor to the project is a single-family residence on South Grove Avenue, approximately 200 feet north of the airport boundary (approximately 2,000 feet northwest of Runway 8L – 26R). The closest school is the Mariposa Elementary School, approximately 2,000 feet (0.38 miles) north of the airport boundary. The closest hospital is the Kaiser Permanente Ontario Vineyard hospital, approximately 5,300 feet (one mile) south of the airport boundary. Notably, the typical emission sources associated with the Proposed Project are located well within the Airport boundary and are generally located within the southern portion of the Airport (Runway 8R – 26L and south), therefore, the distances from the project emission sources and the receptors are further than noted.

Attachment C: Health Risk Assessment Methodology and Assumptions provides additional methodologies and assumptions.

Health Impacts

Health risks were not quantified for Existing Conditions as the specific health risks associated with the Airport cannot be assessed independent of all sources of pollutants which contribute to the community's overall risk. However, SCAQMD has conducted studies on carcinogenic risk from exposure to air toxics in the SCAB. The most recent is the Multiple Air Toxics Exposure Study V (MATES V). According to the MATES Data Visualization interactive tool, the area around Ontario has a cumulative cancer risk of 600 per million persons.[62]

The Proposed Project would constitute a new emission source of DPM due to its construction activities. Studies have demonstrated that DPM from diesel-fueled engines is a human carcinogen and that chronic

62 South Coast Air Quality Management District, Multiple Air Toxics Exposure Study (MATES-V) in the South Coast Air Basin, August 2021, http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-v

(long-term) inhalation exposure to DPM poses a chronic health impact. Health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. Individual cancer risk is the likelihood that a person exposed to air toxic concentrations over a 70-year lifetime will contract cancer, based on the use of standard risk-assessment methodology and a 30-year exposure duration. The maximally exposed individual (MEI) represents the worst–case risk estimate, based on a theoretical person exposed for a period of 30 years at the highest concentration. This is a highly conservative assumption since most people do not remain in place all day and on average residents change residences every 11 to 12 years and do not stay in the same place of work for 25 years. In addition, this assumes that individuals are experiencing outdoor concentrations for the entire exposure period (even when indoors). A school child exposure duration is between ages 2 and 16 years old, which again, is conservative because the elementary, middle, and high school are not often located at the same location.

The Proposed Project would also constitute a new emission source of DPM due to its delivery truck activities and air toxics due to aircraft operations.

A further description of the sensitive receptors included in the dispersion modeling analysis is provided in **Attachment A: Emissions Inventory and Dispersion Modeling Methodology and Assumptions**.

Peak daily emission estimates were used to estimate short-term air concentrations (1-hour, 8-hour, and 24-hour) while annual emission estimates were used to estimate annual air concentrations. DPM (reported as exhaust emissions of $PM_{2.5}$) and other air toxics emission rates were utilized along with derived concentrations from USEPA's AERMOD atmospheric dispersion model (using a unit emission rate of 1) to calculate air concentrations at receptors in the Project vicinity. The HRA is intended to provide a worst–case estimate of the increased exposure by employing a standard emission estimation program, an accepted pollutant dispersion model, approved toxicity factors, and conservative exposure parameters.

In accordance with OEHHA *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments,* this HRA was accomplished by applying the highest estimated concentrations of specific air toxics at the receptors analyzed to the established cancer potency factors and acceptable reference concentrations for noncancer health effects. Increased cancer risks were calculated using the modeled concentrations and OEHHA-recommended methodologies for both child exposure (3rd trimester through two years of age and ages two through 16 years) and adult exposure (16 to 30 years). The cancer risk calculations were based on applying the OEHHA-recommended age sensitivity factors and breathing rates, as well as the fraction of time at home (100 percent for child and 73 percent for adult), and an exposure duration of 30 years, to the concentration exposures; over a 70-year lifetime. As a conservative assumption, children are assumed to attend a daycare or school near their home and no discount should be taken for time spent outside of the area (i.e., 100 percent fraction of time) affected by the project's

emissions. For worker exposures, it is assumed that the working age begins at 16 years, and that exposures to Project emissions occur during the work shift which is typically up to eight hours per day during workdays. Age-sensitivity factors reflect the greater sensitivity of infants and small children to cancer causing air pollutants.

Per Education Code Section 17213 (School Site Selection and Approval Guide), a school shall only be located where, "the health risks from the facilities or other pollution sources do not and will not constitute an actual or potential endangerment of public health to persons who would attend or be employed at the school." Projects located within ¼ mile of a school that involve the construction or alteration of a facility that might reasonably be anticipated to emit hazardous air emissions, or the handling of an extremely hazardous substance or mixture containing extremely hazardous substances in a quantity equal to or greater than the state threshold quantity specified in subdivision (j) of HSC Section §25532, and that may impose a health or safety hazard to persons who would attend or would be employed at the school, must meet all requirements per CEQA Guidelines §15186 (b)(1)(2*).*

These conservative methodologies overestimate both noncarcinogenic and carcinogenic health risk, possibly by an order of magnitude or more. Therefore, for carcinogenic risks, the actual probabilities of cancer formation in the populations of concern due to exposure to carcinogenic pollutants are likely to be lower than the risks derived using the HRA methodology. The extrapolation of toxicity data in animals to humans, the estimation of concentration prediction methods within dispersion models; and the variability in lifestyles, fitness and other confounding factors of the human population also contribute to the overestimation of health impacts. Therefore, the results of this HRA, although conducted in accordance with all regulatory agency protocols, are highly overstated. Cancer risk estimates do not mean, and should not be interpreted to mean, that a person will develop cancer from estimated exposures to toxic air pollutants.

SCAQMD currently does not require the evaluation of long-term cancer risk or chronic health impacts for a short-term construction project.[63] The Proposed Project's construction activities would occur over six years (2023 through 2028). The relatively short duration when compared to the 30-year exposure duration would limit exposures to offsite receptors. Secondly, exhaust emissions associated with the construction activities would not exceed the air concentrations significance thresholds (see **Section 10**) and thus, it is anticipated that construction emissions would not pose a threat to health impacts at nearby receptors. Nevertheless, a construction-related health risk assessment was completed.

63 SCAQMD is currently reviewing and developing guidance for the health risk assessment of construction activities.

For the residential cancer risk, each year of Proposed Project implementation was evaluated separately with an exposure duration of one year, starting with the age bin for infants in utero in the third trimester of pregnancy. The cancer risk results for each year were summed to calculate the total cancer risk during the Proposed Project construction period. The Proposed Project's incremental increase in cancer risk is based on the emissions associated with the Proposed Project's implementation. For non-cancer chronic and acute health risks, the maximum hazard index (HI) was calculated for each year of construction for the Proposed Project. The highest HI for all years would be the maximum HI during the Proposed Project construction period. The Proposed Project's incremental increase in non-cancer chronic and acute health risks is based on the emissions associated with the Proposed Project's implementation. The model conservatively assumes that residents would be standing and breathing outdoors at the location of the property line or primary outdoor space closest to the airport or flight paths between 17 and 21 hours per day (depending on the age group), starting with infants in utero in the third trimester of pregnancy for the first year of Proposed Project implementation. For offsite worker cancer risk, an exposure duration of one year was selected with an assumption of eight hours per day, five days per week of exposure while standing outside, in accordance with the OEHHA guidelines.

The SCAQMD thresholds of significance applied to assess project-level health impacts are the exposure of persons to substantial levels of air toxics resulting in (a) a cancer risk level greater than 10 per one million persons or (b) a noncancerous risk (chronic or acute) hazard index greater than 1 or (c) a cancer burden of greater than 0.5 excess cancer cases.[64]For this threshold, sensitive receptors include residential uses, schools, daycare centers, nursing homes, medical centers, and offsite workers.

Health Impacts for Construction Activities

The SCAQMD currently does not require a HRA to be conducted for short-term emissions from construction equipment. Nevertheless, an analysis was conducted for the proposed project. **Table 24: Estimated Health Impacts from Construction Activities** provides the Proposed Project's health impacts from construction activities for nearby sensitive receptors (i.e., onsite workers, offsite workers, and residence at Hofer Ranch). Notably, the construction health impacts are very low and the influence area is very small, due in large part to the size of construction and the implementation of emissions reduction measures. There is very little geographical overlap between construction health impacts and the operational health impacts.

64 South Coast Air Quality Management District, Risk Assessment Procedures for Rule 1401, 1401.1 and 212, September 1, 2017, http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12

Table 24
Estimated Health Impacts from Construction Activities

Criteria	Cancer Risk	Chronic Impact
Offsite Worker	0.06	<0.01
Onsite Worker	0.58	0.01
Residence	0.06	<0.01
Significance Threshold	10	1.0
Potentially Significant (Yes or No)?	No	No

*Note: Values in **bold** are in excess of applicable standard.*
Source: RCH Group, 2022

As shown **in Table 24: Estimated Health Impacts from Construction Activities**, the maximum cancer risk from Proposed Project construction emissions would be 0.6 per one million persons for the onsite worker (located to the west of the project site) and less than 0.1 per one million persons for the offsite worker and residence. The maximum chronic health impact modeled would be 0.01.

Health Impacts for Operational Activities

The HRA focuses on impacts on existing residences, offsite workers, and other sensitive populations (including onsite workers within the passenger terminal and other areas within the Airport) from emissions of air toxics during aircraft operations. Typically, aircraft HAP emissions include formaldehyde in the greatest amount, followed by acetaldehyde, acrolein, benzene, methyl alcohol, and 1,3-butadiene. **Attachment C: Health Risk Assessment Methodology and Assumption** contains further information on the development of the aircraft HAP emissions inventory and detailed results.

As with the previous air quality dispersion modeling analyses, the project-related health impacts were compared to the SCAQMD significance thresholds:

- Phase 1 With Project operations compared to the Baseline Condition
- Phase 2 With Project operations compared to the Baseline Condition

However, this comparison of the Project to the Baseline is influenced by factors that are not attributable to the Project itself. Specifically, the comparison contains future aircraft operations from background growth that are projected to occur with or without the Proposed Project.[65]

65 Concentrations increase between Phase 1 and 2, due to the difference between Phase 1 and Phase 2 emissions. Due to the increase of concentrations in later years, the HRA was conducted for a receptor exposed starting with Phase 1 and starting with Phase 2; each for 30 years.

Table 25: Estimated Health Impacts from Operational Activities – With Project Compared to Baseline provides the Proposed Project's health impacts from operational activities for nearby sensitive receptors.

Table 25
Estimated Health Impacts from Operational Activities – With Project Compared to Baseline

Criteria	Cancer Risk	Acute Impact	Chronic Impact
		Phase 1	
Residence	2.52	0.30	0.02
Offsite Worker	0.24	0.25	0.02
Onsite Worker (non-Terminal)	1.98	0.40	0.19
Onsite Worker (Terminal)	0.86	0.24	0.08
School	0.33	0.05	<0.01
Significance Threshold	10	1.0	1.0
Potentially Significant (Yes or No)?	No	No	No
		Phase 2	
Residence	4.66	0.22	0.03
Offsite Worker	0.43	0.27	0.04
Onsite Worker (non-Terminal)	3.22	0.66	0.31
Onsite Worker (Terminal)	0.91	0.21	0.09
School	0.57	0.03	0.01
Significance Threshold	10	1.0	1.0
Potentially Significant (Yes or No)?	No	No	No

*Note: Values in **bold** are in excess of applicable standard.*
Source: RCH Group, 2022

As shown, the maximum cancer risk from project operations for residence, offsite worker (such as office buildings, retail centers, hotels, hospitals), onsite worker, and school would be 2.5, 0.2, 2.0, and 0.3 per one million persons, respectively (Phase 1) and would be 4.7, 0.4, 3.2, and 0.6 per one million persons, respectively (Phase 2). The maximum exposed residence is located at Hofer Ranch (receptor 1) and secondarily, is located north of the terminal complex (receptor 18). The maximum exposed onsite worker is located to the west of the project site. Thus, the cancer risk for sensitive receptors due to operational activities would be below the SCAQMD threshold of 10 per one million persons and would be *less than significant health impacts for all sensitive receptors due to operational activities*.

Attachment A: Emissions Inventory and Dispersion Modeling Methodology and Assumptions describes and displays the receptors used within the HRA.

The maximum acute health impact modeled to occur at a residence, offsite worker, onsite worker, and school would be less than 0.4 (Phase 1) and 0.7 (Phase 2). The maximum chronic health impact (Phase 1)

modeled to occur at a residence, offsite worker, onsite worker, and school would be less than 0.2 (Phase 1) and 0.3 (Phase 2). Thus, the acute and chronic health impact due to operational activities at all sensitive receptors would be below the project-level threshold of 1 and would be *less than significant for all sensitive receptors due to operational activities*.

Notably, a portion of the health impacts, especially associated with the onsite terminal worker receptor, are attributed to airport growth which would occur with or without the Proposed Project. As shown in **Table 25: Estimated Health Impacts from Operational Activities – With Project Compared to Baseline**, the cancer risk associated with offsite worker and school receptors are less than one per million. However, the cancer risk associated with residence and onsite worker receptors would be greater than one per million, although in only a limited geographical area. The cancer burden is the estimated increase in the occurrence of cancer cases in a population as a result of exposures to air toxics emissions from the project source over a 70-year exposure duration. The cancer burden for a population unit (city, census tract, sub-area or grid) is the product of the number of persons in the population and the estimated individual risk from TAC. The cancer burden only needs to be calculated if the resulting cancer estimates from a 30-year exposure duration is greater than one in one million. For the cancer risks from operational activities compared to baseline, the zone of impact is approximately 2,520 meters (or 7.7 square miles) from the center of the airport (Phase 1) and 3,400 meters (or 13.9 square miles) (Phase 2). The respective population within the zone impact areas are 5,530 and 41,200, respectively, or 722 and 2,966 persons per square mile.[66] Generally, the residential population in the Air Basin is less than 10,360 persons per square mile, but some areas are as high as 18,130 persons per square mile. However, the population density is lower surrounding the project site given the open space and industrial land uses. In general, the population density in Ontario is 3,576 people per square mile. The cancer burden due to operations would be 0.02 (Phase 1) and 0.22 (Phase 2) and therefore, below the SCAQMD threshold of 0.5 excess cancer cases and would therefore be *less than significant due to operational activities.*

A second comparison was made to remove the influence of background airport growth by comparing the health impacts from future year with Proposed Project and the future year without Proposed Project. This comparison was made for informational purposes only and in which the significance of the Project impacts is not based.

- Phase 1 With Project operations compared to the Phase 1 Without Project operations

66 Center for International Earth Science Information Network - CIESIN - Columbia University. 2018. Population Estimation Service, Version 3 (PES-v3). Palisades, NY: NASA Socioeconomic Data and Applications Center, https://sedac.ciesin.columbia.edu/data/collection/gpw-v4/population-estimation-service

- Phase 2 With Project operations compared to the Phase 2 Without Project operations

Generally, it would be expected that the impacts when comparing the With Project to Without Project would be less than the impacts when comparing the With Project to Baseline and that Phase 2 impacts would be greater than Phase 1 impacts.

Table 26: Estimated Health Impacts from Operational Activities – With Compared to Without Project provides the Proposed Project's health impacts from operational activities for nearby sensitive receptors.

Table 26
Estimated Health Impacts from Operational Activities – With Project Compared to Without Project

Criteria	Cancer Risk	Acute Impact	Chronic Impact
	Phase 1		
Residence	2.02	0.09	0.01
Offsite Worker	0.32	0.21	0.03
Onsite Worker (non-Terminal)	2.34	0.56	0.23
Onsite Worker (Terminal)	0.21	0.09	0.02
School	0.34	0.04	<0.01
Significance Threshold	10	1.0	1.0
Potentially Significant (Yes or No)?	No	No	No
	Phase 2		
Residence	3.20	0.13	0.02
Offsite Worker	0.52	0.46	0.05
Onsite Worker (non-Terminal)	3.38	0.73	0.32
Onsite Worker (Terminal)	0.02	<0.01	<0.01
School	0.56	0.02	0.01
Significance Threshold	10	1.0	1.0
Potentially Significant (Yes or No)?	No	No	No

*Note: Values in **bold** are in excess of applicable standard.*
Source: RCH Group, 2022

As shown, the maximum cancer risk from project (Phase 1) operations for residence, offsite worker (such as office buildings, retail centers, hotels, hospitals), onsite worker, and school would be 2.0, 0.3, 2.3, and 0.3 per one million persons, respectively (Phase 1) and would be 3.2, 0.5, 3.4, and 0.6 per one million persons, respectively (Phase 2). The maximum exposed residence is located at Hofer Ranch (receptor 1) and secondarily, is located south-southwest of the airport (receptor 5). The maximum exposed onsite worker is located to the west of the project site. Thus, the cancer risk for sensitive receptors due to operational activities would be below the SCAQMD threshold of 10 per one million persons and would be *less than significant health impacts for all sensitive receptors due to operational activities*.

The maximum acute health impact modeled to occur at a residence, offsite worker, onsite worker, and school would be less than 0.6 (Phase 1) and 0.7 (Phase 2). The maximum chronic health impact (Phase 1) modeled to occur at a residence, offsite worker, onsite worker, and school would be less than 0.2 (Phase 1) and 0.3 (Phase 2). Thus, the acute and chronic health impact due to operational activities at all sensitive receptors would be below the project-level threshold of 1 and would be *less than significant for all sensitive receptors due to operational activities*.

As shown in **Table 26: Estimated Health Impacts from Operational Activities – With Project Compared to Without Project**, the cancer risk associated with offsite worker and school receptors are less than one per million. However, the cancer risk associated with residence and onsite worker receptors would be greater than one per million, although in only a very limited geographical area. The maximum exposed residence is at the Hofer Ranch and all other residence cancer risk is less than one per million over a 70-year exposure duration. Therefore, the cancer burden due to operations would be less than 0.01 and below the SCAQMD threshold of 0.5 excess cancer cases and would therefore be *less than significant due to operational activities.*

Summary of Health Risk Assessment Results

The following concluding statements can be made about the health risk assessment results:

- The cancer risk for offsite worker receptors due to construction activities would be below the SCAQMD threshold of 10 per one million persons and would be l*ess than significant health impacts for all offsite worker receptors due to construction activities*.

- The cancer risk for all sensitive receptors due to operational activities would be below the SCAQMD threshold of 10 per one million persons and would be l*ess than significant health impacts for all sensitive receptors due to operational activities*.

- The acute and chronic health impacts for offsite worker receptors due to construction activities would be below the SCAQMD threshold of 1 and would be l*ess than significant health impacts for all offsite worker receptors due to construction activities*.

- The acute and chronic health impacts for all sensitive receptors due to operational activities would be below the SCAQMD threshold of 1 and would be l*ess than significant health impacts for all sensitive receptors due to operational activities*.

11.0 GREENHOUSE GAS EMISSIONS

"Global warming" and "global climate change" are the terms used to describe the increase in the average temperature of the earth's near-surface air and oceans since the mid-20th century and its projected continuation. Warming of the climate system is now considered to be unequivocal (IPCC, 2007), with global surface temperature increasing approximately 1.33 degrees Fahrenheit (°F) over the last 100 years. Continued warming is projected to increase global average temperature between 2 and 11°F over the next 100 years.

Natural processes and human actions have been identified as the causes of this warming. The International Panel on Climate Change (IPCC) concludes that variations in natural phenomena such as solar radiation and volcanoes produced most of the warming from pre-industrial times to 1950 and had a small cooling effect afterward. After 1950, however, increasing GHG concentrations resulting from human activity such as fossil fuel burning, and deforestation have been responsible for most of the observed temperature increase.[67] These basic conclusions have been endorsed by more than 45 scientific societies and academies of science, including all of the national academies of science of the major industrialized countries. Since 2007, no scientific body of national or international standing has maintained a dissenting opinion.

Increases in GHG concentrations in the earth's atmosphere are thought to be the main cause of human-induced climate change. GHG naturally trap heat by impeding the exit of solar radiation that has hit the earth and is reflected back into space. Some GHG occur naturally and are necessary for keeping the earth's surface inhabitable. However, increases in the concentrations of these gases in the atmosphere during the last 100 years have decreased the amount of solar radiation that is reflected back into space, intensifying the natural greenhouse effect and resulting in the increase of global average temperature.[68]

Gases that trap heat in the atmosphere are referred to as GHG because they capture heat radiated from the sun as it is reflected back into the atmosphere, much like a greenhouse does. The accumulation of GHG has been implicated as the driving force for global climate change. The primary GHG are carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O), ozone, and water vapor.

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67 International Panel on Climate Change, 2014: Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland, 151 pp. https://www.ipcc.ch/site/assets/uploads/2018/05/SYR_AR5_FINAL_full_wcover.pdf

68 International Panel on Climate Change, 2014: Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland, 151 pp. https://www.ipcc.ch/site/assets/uploads/2018/05/SYR_AR5_FINAL_full_wcover.pdf

While the presence of the primary GHG in the atmosphere are naturally occurring, CO_2, CH_4, and N_2O are also emitted from human activities, accelerating the rate at which these compounds occur within earth's atmosphere. Emissions of CO_2 are largely by-products of fossil fuel combustion, whereas methane results from off-gassing associated with agricultural practices and landfills. Other GHG include hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride, and are generated in certain industrial processes. Greenhouse gases are typically reported in "carbon dioxide-equivalent" measures (CO_2e).[69]

There is international scientific consensus that human-caused increases in GHG have and will continue to contribute to global warming. Potential global warming impacts may include, but are not limited to, loss in snowpack, sea level rise, more extreme heat days per year, more high ozone days, more large forest fires, and more drought years. Secondary effects are likely to include a global rise in sea level, impacts to agriculture, changes in disease vectors, and changes in habitat and biodiversity.

City of Ontario Climate Action Plan

The City of Ontario prepared and adopted a Climate Action Plan (CAP).[70] The City prepared the CAP to achieve compliance with State mandates and focus on feasible actions the City can take to minimize adverse impacts on growth and development on global climate change. The CAP contains detailed strategies and measures that will be implemented to reduce GHG emissions. The City's CAP proposes a 2020 emissions reduction target equivalent to 15 percent below 2005 emissions levels and a 2035 emissions reduction target equivalent to 50 percent below 2005 emissions levels.

The City's GHG Emissions Inventory shows building energy use, transportation, commercial and industrial uses, residential uses, waste/wastewater and water use in the city generated 2,503,816 metric tons of CO_2e in 2008 and 3,127,987 metric tons of CO_2e in 2020 (projected). Of the sources in this total, the largest contributors include building energy use, transportation, and agriculture sector emissions, which contribute approximately 40 percent, 39 percent, and 10 percent, respectively.

GHG emission reduction measures specified in the CAP include performance standards for projects emitting more the 3,000 metric tons of CO_2e, building energy efficiency programs, renewable energy requirements, waste diversion, and transportation management.

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69 Because of the differential heat absorption potential of various GHG, GHG emissions are frequently measured in "carbon dioxide-equivalents," which present a weighted average based on each gas's heat absorption (or "global warming") potential.

70 City of Ontario, *Climate Action Plan*, Adopted November 2014, https://www.ontarioca.gov/sites/default/files/Ontario-Files/Planning/Applications/Community%20Climate%20Action%20Plan.pdf

California Green Building Standards Code

The California Green Building Standards Code or CALGreen is a regulatory code for all residential, commercial, and school buildings to meet uniform standards in building design intended to minimize impacts on climate change.

CALGreen does not prevent a local jurisdiction from adopting a more stringent code, as State law provides methods for local enhancements. CALGreen recognizes that many jurisdictions have developed existing construction and demolition ordinances, and defers to them as the ruling guidance provided, they provide a minimum 50-percent diversion requirement. CALGreen also provides exemptions for areas not served by construction and demolition recycling infrastructure. State building code provides the minimum standard, which buildings need to meet in order to be certified for occupancy. Enforcement is generally done by the local building official.

The development of CALGreen is intended to cause a reduction in GHG emissions from buildings; promote environmentally responsible, cost-effective, healthier places to live and work; reduce energy and water consumption; and respond to directives issued by the Governor, such as Assembly Bill 32, calling for the reduction of Statewide GHG emissions to 1990 levels by 2020. In short, CALGreen was established to reduce construction waste; make buildings more efficient in the use of materials and energy; and reduce environmental impacts during and after project construction.

CALGreen contains requirements for construction site selection, storm water control during construction, construction waste reduction, indoor water use reduction, material selection, natural resource conservation, site irrigation conservation, and more. CALGreen provides design options allowing a project designer to determine how best to achieve compliance for a given site or building condition. CALGreen also requires building commissioning, which is a process for verifying that all building systems, like heating and cooling equipment and lighting systems, are functioning at their maximum efficiency. The 2023 CALGreen code went into effect January 1, 2023.

California Environmental Quality Act and Climate Change

Under CEQA, lead agencies are required to disclose the reasonably foreseeable adverse environmental effects of projects they are considering for approval. GHG emissions have the potential to affect the environment because they contribute to global climate change. In turn, global climate change has the potential to cause sea level rise, alter rainfall and snowfall patterns, and affect habitat.

Executive Order S-3-05

Governor Schwarzenegger established Executive Order S-3-05 in 2005, in recognition of California's vulnerability to the effects of climate change. Executive Order S-3-05 set forth a series of target dates by which Statewide emissions of GHG would be progressively reduced, as follows:

- By 2010, reduce GHG emissions to 2000 levels;
- By 2020, reduce GHG emissions to 1990 levels; and
- By 2050, reduce GHG emissions to 80 percent below 1990 levels.

The executive order directed the Secretary of the CalEPA to coordinate a multiagency effort to reduce GHG emissions to the target levels. The Secretary will also submit biannual reports to the governor and California Legislature describing the progress made toward the emissions targets, the impacts of global climate change on California's resources, and mitigation and adaptation plans to combat these impacts. To comply with the executive order, the secretary of CalEPA created the California Climate Action Team, made up of members from various State agencies and commissions. The team released its first report in March 2006. The report proposed to achieve the targets by building on the voluntary actions of California businesses, local governments, and communities and through State incentive and regulatory programs.

Assembly Bill 32 (California Global Warming Solutions Act of 2006)

California passed the California Global Warming Solutions Act of 2006 (AB 32; California Health and Safety Code Division 25.5, Sections 38500 - 38599). AB 32 establishes regulatory, reporting, and market mechanisms to achieve quantifiable reductions in GHG emissions and establishes a cap on Statewide GHG emissions. AB 32 requires that Statewide GHG emissions be reduced to 1990 levels by 2020. This reduction will be accomplished by enforcing a Statewide cap on GHG emissions that will be phased in starting in 2012. To effectively implement the cap, AB 32 directs CARB to develop and implement regulations to reduce Statewide GHG emissions from stationary sources. AB 32 specifies that regulations adopted in response to AB 1493 should be used to address GHG emissions from vehicles. However, AB 32 also includes language stating that if the AB 1493 regulations cannot be implemented, then CARB should develop new regulations to control vehicle GHG emissions under the authorization of AB 32.

AB 32 requires CARB to adopt a quantified cap on GHG emissions representing 1990 emissions levels and disclose how it arrived at the cap; institute a schedule to meet the emissions cap; and develop tracking, reporting, and enforcement mechanisms to ensure that the State reduces GHG emissions enough to meet the cap. AB 32 also includes guidance on instituting emissions reductions in an economically efficient manner, along with conditions to ensure that businesses and consumers are not unfairly affected by the

reductions. Using these criteria to reduce Statewide GHG emissions to 1990 levels by 2020 would represent an approximate 25 to 30 percent reduction in current emissions levels. However, CARB has discretionary authority to seek greater reductions in more significant and growing GHG sectors, such as transportation, as compared to other sectors that are not anticipated to significantly increase emissions. Under AB 32, CARB must adopt regulations to achieve reductions in GHG to meet the 1990 emissions cap by 2020.

Climate Change Scoping Plan

AB 32 required CARB to develop a Scoping Plan that describes the approach California will take to reduce GHG to achieve the goal of reducing emissions to 1990 levels by 2020. The Scoping Plan was first approved by CARB in 2008 and must be updated every five years. The initial AB 32 Scoping Plan contains the main strategies California will use to reduce the GHG that cause climate change. The initial Scoping Plan has a range of GHG reduction actions which include direct regulations, alternative compliance mechanisms, monetary and nonmonetary incentives, voluntary actions, market-based mechanisms such as a cap-and-trade system, and an AB 32 program implementation fee regulation to fund the program. In August 2011, the initial Scoping Plan was approved by CARB.

The 2013 Scoping Plan Update builds upon the initial Scoping Plan with new strategies and recommendations. The 2013 Update identifies opportunities to leverage existing and new funds to further drive GHG emission reductions through strategic planning and targeted low carbon investments. The 2013 Update defines CARB climate change priorities for the next five years and sets the groundwork to reach California's long-term climate goals set forth in Executive Orders S-3-05 and B-16-2012. The 2013 Update highlights California progress toward meeting the near-term 2020 GHG emission reduction goals defined in the initial Scoping Plan. In the 2013 Update, nine key focus areas were identified (energy, transportation, agriculture, water, waste management, and natural and working lands), along with short-lived climate pollutants, green buildings, and the cap-and-trade program. On May 22, 2014, the First Update to the Climate Change Scoping Plan was approved by the Board, along with the finalized environmental documents. The 2017 Scoping Plan, approved on December 14, 2017, outlines options to meet California's aggressive goals to reduce GHGs by 40 percent below 1990 levels by 2030.

In November of 2022, CARB released the Final 2022 Scoping Plan Update to provide a path to achieving carbon neutrality no later than 2045.[71]

71 California Air Resources Board, *Draft 2022 Scoping Plan Update*, May 10, 2022, https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan#:~:text=The%20Draft%202022%20Scoping%20Plan,neutrality%20no%20later%20than%202045

Executive Order No. B-30-15

On April 29, 2015, Executive Order No. B-30-15 was issued to establish a California GHG reduction target of 40 percent below 1990 levels by 2030. Executive Order No. B-30-15 sets a new, interim, 2030 reduction goal intended to provide a smooth transition to the existing ultimate 2050 reduction goal set by Executive Order No. S-3-05 (signed by Governor Schwarzenegger in June 2005). It is designed so State agencies do not fall behind the pace of reductions necessary to reach the existing 2050 reduction goal. Executive Order No. B-30-15 orders "All State agencies with jurisdiction over sources of GHG emissions shall implement measures, pursuant to statutory authority, to achieve reductions of GHG emissions to meet the 2030 and 2050 targets." The Executive Order also states that "CARB shall update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of carbon dioxide equivalent." The CARB is currently moving forward with a second update to the Climate Change Scoping Plan to reflect the 2030 reduction target. The updated Scoping Plan will provide a framework for achieving the 2030 target. In September of 2016, the AB 32 was extended to achieve reductions in GHG of 40 percent below 1990 levels by 2030. The new plan, outlined in SB 32, involves increasing renewable energy use, putting more electric cars on the road, improving energy efficiency, and curbing emissions from key industries.

Federal Vehicle Standards

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the USEPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014 through 2018. The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the USEPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6 to 23 percent over the 2010 baselines.

In August 2016, the USEPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO_2 emissions by approximately 1.1 billion metric tons and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program. On September 27, 2019, the USEPA and the NHTSA published the "Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program." (84 Fed. Reg. 51,310 (Sept. 27, 2019.) The Part One Rule revokes California's authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. On March 31, 2020, the USEPA and NHTSA finalized rulemaking for SAFE Part Two, which sets CO_2 emissions standards and corporate average fuel economy (CAFE) standards for passenger vehicles and light duty trucks, covering model years 2021 through 2026.

Federal Aviation Standards

The USEPA and the FAA traditionally work within the standard setting process of the International Civil Aviation Organization's (ICAO's) Committee on Aviation Environmental Protection (CAEP). The ICAO/CAEP leads the effort to establish international emission standards and related requirements that individual nations later adopt into domestic law.

In 2016, the ICAO/CAEP agreed on the first-ever international standards to regulate CO_2 emissions from aircraft. In the same year, the USEPA formally announced that GHG emissions from certain classes of aircraft engines contribute to climate change.[72] In 2017, the ICAO adopted a new aircraft CO_2 emission standard intended to reduce the impact of aviation GHG emissions on the global climate. The USEPA adopted the same GHG emissions standard on January 11, 2021, the first aircraft GHG-related standard in U.S. history.[73] The standard applies to civil subsonic jet aircraft and larger civil subsonic propeller-driven aircraft designed after January 2020 or in production by 2028.

On November 15, 2021, the USEPA filed a motion to govern in the litigation on a rule that put in place commercial aircraft GHG emission standards, which USEPA promulgated in early 2021. That rule implemented the historic international agreement the Obama Administration negotiated in 2016 through ICAO to set the first-ever GHG emission standards for airplanes.

At the same time, in order to effectively address the climate crisis, the Biden Administration recognizes more action is necessary across the transportation sector and in the aviation sector specifically to significantly reduce GHG emissions. As such, the U.S. will press for ambitious new international CO_2 standards at the upcoming round of ICAO negotiations. The Biden Administration announced a series of actions aimed at boosting the development of sustainable aviation fuel and released the U.S. Aviation Climate Action Plan at COP26.[74]

Greenhouse Gas Regional Emission Estimates

In 2019, the United States emitted about 6,558 million metric tons of CO_2e. Emissions increased from 2018 to 2019 by 1.7 percent. This decrease was driven largely by a decrease in emissions from fossil fuel

72 United States Environmental Protection Agency, Final Rule for Finding That Greenhouse Gas Emissions From Aircraft Cause or Contribute to Air Pollution That May Reasonably Be Anticipated To Endanger Public Health and Welfare, (August 15, 2016), https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-finding-greenhouse-gas-emissions-aircraft

73 United States Environmental Protection Agency, Control of Air Pollution From Airplanes and Airplane Engines: GHG Emission Standards and Test Procedures, (January 11, 2021), https://www.epa.gov/regulations-emissions-vehicles-and-engines/control-air-pollution-airplanes-and-airplane-engines-ghg

74 United States Environmental Protection Agency, Statement on Airplane Greenhouse Gas Emissions Standards Litigation, https://www.epa.gov/regulations-emissions-vehicles-and-engines/statement-airplane-greenhouse-gas-emissions-standards

combustion resulting from a decrease in total energy use in 2019 compared to 2018 and a continued shift from coal to natural gas and renewables in the electric power sector.[75] GHG emissions in 2018 (after accounting for sequestration from the land sector) were 10.2 percent below 2005 levels. GHG emissions in 2019 (after accounting for sequestration from the land sector) were 13 percent below 2005 levels.

According to the USEPA, a shift from coal to natural gas and the use of renewables in the electric power sector largely drove the reduction. In 2019, the transportation sector (i.e., motor vehicles, aircraft, trains, and ships/boats) contributed 1,876 million metric tons (approximately 29 percent of total emissions) of CO_2e to those 6,558 million metric tons, with aircraft emissions representing approximately ten percent of the transportation sector's emissions (i.e., approximately 188 million metric tons of CO_2e).[76]

In 2019, California emitted approximately 418.2 million metric tons of CO_2e, 7.0 million metric tons of CO_2e lower than 2018 levels and 12.8 million metric tons of CO_2e below the 2020 GHG Limit of 431 million metric tons of CO_2e).[77] Consistent with recent years, these reductions have occurred while California's economy has continued to grow and generate jobs. The transportation sector remains the largest source of GHG emissions in the state with 40 percent of the emissions in 2019 but saw a decrease in emissions compared to 2018.[78]

Emissions from the electricity sector account for 14 percent of the inventory and showed a decrease. California in 2019 used more electricity from zero-GHG sources (for the purpose of the GHG inventory, these include hydro, solar, wind, and nuclear energy) than from GHG-emitting sources for both in-state generation and total (in-state plus imports) generation. The industrial sector has seen steady emissions in the past few years and remains at 21 percent of the inventory.[79]

Thresholds of Significance

To date, national standards have not been established for nationwide GHG reduction targets, nor have any regulations or legislation been enacted specifically to address climate change and GHG emissions

75 United States Environmental Protection Agency, *Inventory of U.S. Greenhouse Gas Emissions and Sinks*, April 2021, https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks-1990-2019

76 United States Environmental Protection Agency, Inventory of U.S. Greenhouse Gas Emissions and Sinks, April 2021, https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks

77 California Air Resources Board, *Emissions Trends Report 2000-2019 (2021 Edition)*, https://ww2.arb.ca.gov/ghg-inventory-data

78 California Air Resources Board, *Emissions Trends Report 2000-2019 (2021 Edition)*, https://ww2.arb.ca.gov/ghg-inventory-data

79 California Air Resources Board, *Emissions Trends Report 2000-2019 (2021 Edition)*, https://ww2.arb.ca.gov/ghg-inventory-data

reduction at the Project level. Various efforts have been promulgated at the federal level to improve fuel economy and energy efficiency to address climate change and its associated effects.

The standards of significance applied to the analysis of potential GHG impacts are based on Appendix G of the *CEQA Guidelines.* According to Appendix G evaluation thresholds, the Proposed Project would be considered to have significant air quality impacts if it were to:

- Generate greenhouse gas emissions, either directly or indirectly, that may have a significant effect on the environment; or
- Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

The City of Ontario has not adopted a numerical significance threshold for assessing impacts related to GHG emissions and has not formally adopted a qualified local plan for reducing GHG emissions. Nor have SCAQMD, OPR, CARB, CAPCOA, or any other State or regional agency adopted a numerical significance threshold for assessing GHG emissions that is applicable to the Proposed Project. Assessing the significance of a project's contribution to cumulative global climate change involves: (1) developing pertinent inventories of GHG emissions, and (2) considering project consistency with applicable emission reduction strategies and goals.

To identify if the Proposed Project would "generate GHG, either directly or indirectly, that may have a significant impact on the environment" this analysis looks at whether the Proposed Project would result in a net increase in GHG emissions. This approach reflects the fact that neither USEPA nor CARB nor SCAQMD have established a numeric threshold for determining the significance of GHG emissions.

The estimated construction GHG emissions for the Proposed Project are 7,248 metric tons of CO_2e. Given the six years of construction, the annual construction GHG emissions for the Proposed Project are 1,208 metric tons of CO_2e. As indicated, the 30-year amortized construction related GHG emissions would be approximately 242 metric tons of CO_2e per year. The results of the comparison are presented in **Table 27: Estimated Construction Greenhouse Gas Emissions for the Proposed Project (metric tons of CO_2e).**

Table 27
Estimated Construction Greenhouse Gas Emissions for the Proposed Project (metric tons of CO_2e)

Construction Year	metric tons of CO_2e
2023	2,161
2024	1,737
2025	469
2026	166
2027	1,213
2028	1,501
Total Construction Emissions	**7,248**
Total 30-Year Amortized Construction Emissions	**242**

Source: RCH Group, 2022

Table 28: Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – Baseline presents the GHG emissions from aircraft for the Baseline Condition (2021).

Table 28
Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – Baseline

metric tons of CO_2e
115,733

Source: RCH Group, 2022

Table 29: Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – Without Project presents the GHG emissions from aircraft without the Proposed Project.

Table 29
Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – Without Project

Condition	metric tons of CO_2e
Phase 1	129,057
Phase 2	142,451

Source: RCH Group, 2022

Table 30: Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – With Project presents the GHG emissions from aircraft and other project-related sources with the Proposed Project.

Table 30
Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – With Project

Condition	metric tons of CO_2e
Phase 1	195,289
Phase 2	243,548

Source: RCH Group, 2022

As with the criteria air pollutant emissions inventory, in order to determine the Proposed Project-related operational impacts associated with GHG emissions, the total emissions associated with the Proposed Project that would occur in Phase 1 and Phase 2 including other aircraft operations not associated with the project were compared to the Baseline emissions. The difference between these two conditions was used to determine the significance of the Proposed Project.

- Phase 1 With Project operations compared to the Baseline Condition
- Phase 2 With Project operations compared to the Baseline Condition

Table 31: Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – With Project Compared to Baseline presents the annual GHG emissions during Phase 1 and 2 when comparing the With Project and Baseline. The Proposed Project operations would result in an increase in GHG emissions of 79,556 metric tons of CO_2e annually for Phase 1 and 127,815 metric tons of CO_2e annually for Phase 2 when compared to the Baseline. A majority of the Proposed Project GHG emissions are related to aircraft operations. Based on FAA's AEDT and when comparing With Project to Baseline, the estimated aircraft fuel usage for Phase 1 is 6,437,288 gallons and for Phase 2 is 10,642,404 gallons.

Therefore, the Proposed Project would result in a significant and unavoidable impact from operational GHG emissions.

Table 31
Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – With Project Compared to Baseline

Source	Phase 1	Phase 2
Aircraft	62,283	103,019
APU	994	1,592
GSE	82	-
Employee Motor Vehicles	3,902	3,622
Delivery Trucks	1,528	2,064
Emergency Generators	353	494
Area Sources	<1	<1
Electrical	9,525	15,770
Waste	317	446
Water	574	807
Total Operational Emissions	**79,556**	**127,815**

Source: RCH Group, 2022

However, this comparison of the project to the Baseline is influenced by factors that are not attributable to the Project itself. Specifically, the comparison contains future aircraft operations from background growth that are projected to occur with or without the Proposed Project. In order to remove the contribution of background aircraft growth, for CEQA purposes, a second comparison was provided for the Proposed Project and without Proposed Project. This comparison was made for informational purposes only.

- Phase 1 With Project operations compared to the Phase 1 Without Project operations
- Phase 2 With Project operations compared to the Phase 2 Without Project operations

Table 32: Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – With Project Compared to Without Project presents the annual GHG emissions during Phase 1 and 2 when comparing the With Project and Without Project. The Proposed Project operations would result in an increase in GHG emissions of 66,232 metric tons of CO_2e annually for Phase 1 and 101,096 metric tons of CO_2e annually for Phase 2 when compared to the Without Project. Based on FAA's AEDT and when comparing With Project to Without Project, the estimated aircraft fuel usage for Phase 1 is 5,081,761 gallons and for Phase 2 is 7,924,196 gallons.

The employee vehicles and delivery trucks would use approximately 437,890 gallons of gasoline and 150,560 gallons of diesel during Phase 1, respectively. The employee vehicles and delivery trucks would use approximately 406,610 gallons of gasoline and 203,380 gallons of diesel during Phase 2, respectively.

The estimated annual fuel usage for the GSE is 7,975 gallons of diesel during Phase 1. The estimated annual fuel usage, assuming each generator operates of 50 hours per year (2 hours per day) is approximately 34,760 gallons of diesel fuel during Phase 1 and approximately 48,660 gallons of diesel fuel during Phase 2.[80] Phase 1 of the proposed Project would require approximately 8.5 MW of power with Phase 2 requiring another 4 MW of power. At full development, the Proposed Project would require approximately 12.5 MW of power.

Table 32
Estimated Annual Operational GHG Emissions (metric tons of CO_2e) – With Project Compared to Without Project

Source	Phase 1	Phase 2
Aircraft	48,959	76,300
APU	994	1,592
GSE	82	-
Employee Motor Vehicles	3,902	3,622
Delivery Trucks	1,528	2,064
Emergency Generators	353	494
Area Sources	<1	<1
Electrical	9,525	15,570
Waste	317	446
Water	574	807
Total Operational Emissions	**66,232**	**101,096**

Source: RCH Group, 2022

The Proposed Project would include a 1.5-MW Solar PV Panel system on the rooftop of the Cargo Sorting Building and Parking Structure. Approximately 20 percent of the electrical usage (2,378,973 kilowatts)[81] would be generated by the Solar PV Panel system.

12.0 ODOR IMPACTS

The potential for the Proposed Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include agricultural uses (livestock and farming), wastewater treatment plants, food processing plants, chemical plants, composting operations, refineries, landfills, dairies, and fiberglass molding facilities. The Proposed Project does not contain land uses typically associated with emitting objectionable odors. Potential odor sources associated with the Proposed Project may result from construction equipment exhaust and the application of asphalt and

80 Vender Specifications for Standby Generator, https://www.cat.com/en_US/products/new/power-systems/electric-power.html

81 Igssolar, Solar Energy Analysis for DHL Southern California, December 15, 2021.

architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the Proposed Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the City's solid waste regulations. The Proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the Proposed Project construction and operations would be less than significant and no mitigation is required.

13.0 CUMULATIVE IMPACTS

The Airport serves an important role in Southern California's supply chain network. The Airport has been modernizing and implementing infrastructure upgrades to meet local and regional demands.

The SCAQMD *CEQA Air Quality Handbook* states: "[f]rom an air quality perspective, the impact of a project is determined by examining the types and levels of emissions generated by the project and its impact on factors that affect air quality. As such, projects should be evaluated in terms of air pollution thresholds established by the District." According to the SCAQMD, if an individual project results in air emissions of criteria pollutants that exceed the SCAQMD's recommended daily thresholds for project specific impacts, then the project would also result in a cumulatively considerable net increase of these criteria pollutants.

The OIAA recently published a Draft SEIR for the rehabilitation of ONT's Runway 8R-26L and associated airfield improvements. These improvements are proposed so that the airfield meets current FAA standards, safety is improved, and the efficiency of the airfield is enhanced. To implement the improvements, temporary runway closures would be required and the only change in the use of the airfield would result from FAA Air Traffic Control imposed restrictions on the use of Contra Flow operations during nighttime hours (10 p.m. to 7 a.m.).

The Runway 8R-26L runway rehabilitation/reconstruction project is scheduled to begin in 2023 and end in 2025, one of the same years for which the Proposed Project was evaluated. The Runway 8R-26L runway rehabilitation/reconstruction project would not increase operational activities at the Airport and would result in a less than significant impact from construction emissions.

Generally, cumulative air quality conditions in the South Coast Air Basin are considered significant, as the Air Basin is in nonattainment with certain federal and state ambient air quality standards. SCAQMD has provided guidance on an acceptable approach to addressing the cumulative impacts issue for air quality. This guidance states as follows: "As a lead agency, the SCAQMD uses the same significance thresholds for

project-specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or Environmental Impact Report … Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable … Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant.

During construction, the Proposed Project's daily criteria pollutant emissions would not exceed SCAQMD thresholds. Implementation of emission reduction measures would further reduce potential construction-related Proposed Project's daily emissions. As such, air quality impacts from the construction of the Proposed Project would be less than significant and would not result in a cumulatively considerable increase of air emissions during the construction period. Construction activities would not exceed the ambient air quality standards at nearby receptors and cumulative impacts would be less than significant.

During operations, the Proposed Project's daily criteria pollutant emissions would exceed SCAQMD thresholds for CO, VOC, SO_2, and NO_x. As such, impacts from the Proposed Project would be significant and unavoidable and would result in a cumulatively considerable increase of air emissions during operations. Operations would not exceed the ambient air quality standards at nearby receptors. The maximum cancer risk from construction and operations for existing sensitive receptors would be less than the SCAQMD threshold of 10 per one million persons. The Proposed Project would result in a significant and unavoidable impact from operational GHG emissions.

Based on SCAQMD methodology, the Proposed Project's operational emissions would represent a cumulatively considerable contribution, and thus the Project would also result in a cumulatively significant impact.

14.0 SUMMARY

In summary, daily construction emissions would not exceed the SCAQMD significance thresholds, as described in **Section 7**. These impacts are largely due to off-road construction equipment and to a much lesser degree due to offsite construction haul trucks. As shown in **Section 8**, operational emissions would exceed the SCAQMD significance thresholds for CO, VOC, NOx, and SO_2. However, as presented in **Section 9**, the ambient air concentration impacts due to project construction and operations would be less than significant at all nearby receptors for all pollutants. As shown in **Section 10**, the incremental health impacts associated with construction activities and operations would not exceed significance thresholds at residences, offsite worker, and onsite worker locations. As shown in **Section 11**, the GHG emissions associated with construction and operational activities would be significant and unavoidable.

Attachment A

Emissions Inventory and Dispersion Modeling Methodology and Assumptions

The information in this attachment supplements the air quality analysis and is comprised of the following:

- **Operational Emissions Inventory and Dispersion Modeling Supporting Data** – Describes the data and methodologies used to prepare emission inventories and perform air pollutant dispersion analysis to evaluate the Proposed Project on the criteria air pollutants/pollutant precursors.

- **Air Quality Modeling Protocol** – Provides documentation of the Ontario International Airport Cargo Development Air Quality Modeling Protocol, which has been reviewed by the South Coast Air Quality Management District (SCAQMD).

Emission Inventories

For the assessment of the Proposed Project, daily and annual emissions of carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter less than 10 micrometers in diameter (coarse or PM_{10}), and particulate matter less than 2.5 micrometers in diameter (fine or $PM_{2.5}$) were prepared. Although lead is a criteria pollutant, it was not evaluated because the Proposed Project would not involve piston aircraft and the use of aviation gasoline (avgas), a common source of lead emissions and would have a negligible impact on lead levels in the South Coast Air Basin. To evaluate O_3, estimates of volatile organic compounds (VOC) and nitrogen oxides (NO_x)—the precursors to the air pollutant O_3—were prepared. Emission inventories were also prepared for hazardous air pollutants (HAP) and greenhouse gases (GHG).

The operational emissions inventories were evaluated using the following regulatory models:

- California Air Resources Board's (CARB) EMFAC[1] emissions inventory model. EMFAC is the latest emission inventory model that calculates emission inventories and emission rates for motor vehicles operating on roads in California. This model reflects CARB's current understanding of how vehicles travel and how much they emit. EMFAC can be used to show how California motor vehicle emissions have changed over time and are projected to change in the future.

1 California Air Resources Board, EMFAC2021 User's Guide, January 15, 2021, https://ww2.arb.ca.gov/sites/default/files/2021-01/EMFAC202x_Users_Guide_01112021_final.pdf

- CARB OFFROAD[2] emissions inventory model. OFFROAD is the latest emission inventory model that calculates emission inventories and emission rates for off-road equipment such as loaders, excavators, and off-road haul trucks operating in California. This model reflects CARB's current understanding of how equipment operates and how much they emit. OFFROAD can be used to show how California off-road equipment emissions have changed over time and are projected to change in the future.

- United States Environmental Protection Agency (USEPA) AP-42, Compilation of Air Pollutant Emission Factors, has been published since 1972 as the primary compilation of USEPA's emission factor information. It contains emission factors and process information for more than 200 air pollution source categories. A source category is a specific industry sector or group of similar emitting sources. The emission factors have been developed and compiled from source test data, material balance studies, and engineering estimates.[3]

The aircraft emission inventories were prepared using Version 3d of the Federal Aviation Administration's (FAA's) Aviation Environmental Design Tool (AEDT, Version 3c).[4] The following describe the data used to prepare the emission estimates for aircraft, ground support equipment (GSE), auxiliary power units (APU), motor vehicles (i.e., employee vehicles and delivery trucks), and stationary sources (i.e., emergency generators).

Aircraft Fleet Mix

The number of aircraft operations and the aircraft fleet mix for the Baseline Condition (2021), Phase 1 (2025) and Phase 2 (2029) are presented in **Table A-1**.[5] In addition to the number of aircraft operations, aircraft fleet mix, and engine assignments, AEDT uses departure stage lengths (manifested as departure aircraft weight). The stage lengths assumed in the air quality analysis were a weighted average of the stage lengths used to prepare the aircraft noise analysis.[6]

2 California Air Resources Board, OFFROAD Instructions, http://www.arb.ca.gov/msprog/ordiesel/info_1085/oei_write_up.pdf

3 United States Environmental Protection Agency, AP 42, Compilation of Air Pollutant Emission Factors, Fifth Edition, Volume I, https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emissions-factors

4 Federal Aviation Administration, Aviation Environmental Design Tool (AEDT) Users Guide, September 2017, https://aedt.faa.gov/.

5 An aircraft operation is either a landing or a takeoff; a landing/takeoff cycle or LTO equals 2 operations

6 Aircraft operations which are not directly part of the proposed project are included in the analysis because the project aircraft results in changes in taxi movements and speeds for all airport aircraft (passenger and other cargo operations).

Table A-1
Aircraft Operations/Fleet Mix/Engine Assignments

Aircraft	Engine	Number of Annual Operations			Departure Stage Length		
		Baseline Condition	Phase 1 (2025)	Phase 2 (2029)	Baseline Condition	Phase 1 (2025)	Phase 2 (2029)
Airbus A320-NEO	LEAP-1A26/26E1	1,048	1,622	824	3	3	3
Airbus A321-NEO	LEAP-1A35A/33/33B2/32/30	-	2,592	6,690	-	2	2
Airbus A321-NEO	PW1133G-JM	-	808	1,478	-	2	2
Airbus A300F4-600 Series	PW4158	5,768	6,226	6,750	3	3	3
Airbus A319-100 Series	CFM56-5B6/2P	454	522	708	1	2	2
Airbus A319-100 Series	CFM56-5B7/P	-	-	506	-		2
Airbus A319-100 Series	CFM56-5B9/2P	-	-	436	-		2
Airbus A319-100 Series	V2522-A5	558	-	-	1		-
Airbus A320-200 Series	V2527-A5	678	730	634	3	2	3
Airbus A320-200 Series	CFM56-5B4/2	1,450	1,156	820	3	2	3
Airbus A320-200 Series	CFM56-5B4/3	526	-	-	3		-
Airbus A320-200 Series	V2527-A5	944	830	750	3	2	3
Airbus A321-200 Series	CFM56-5B3/P	-	-	496	-		3
Airbus A321-100 Series	V2530-A5	474	-	-	2		-
Airbus A350-900 series	Trent XWB-84	634	-	906	8		8
Raytheon Beech 1900-C	PT6A-67B	516	556	602	1	1	1
Raytheon Super King Air 300	PT6A-60AG	-	466	-		1	-
Boeing 737-7	LEAP-1B23	-	-	8,634			1
Boeing 737-8	LEAP-1B27	-	4,602	3,990		3	2
Boeing 737-8	LEAP-1B28B2C	-	4,714	6,122		3	2
Boeing 737-9	LEAP-1B28/28B2/28B1/28B3	-	460	922		1	1
Boeing 737-9	LEAP-1B28B2C	-	-	744			1
Boeing 737-700 Series	CFM56-7B20	15,484	13,808	8,926	1	1	1
Boeing 737-700 Series	CFM56-7B22	1,462	1,302	838	1	1	1
Boeing 737-700 Series	CFM56-7B24	5,908	5,258	3,390	1	1	1
Boeing 737-700 Series	CFM56-7B24/3	1,582	1,408	908	1	1	1
Boeing 737-800 Series	CFM56-7B24	2,440	1,030	538	2	2	2
Boeing 737-800 Series	CFM56-7B27	5,166	2,994	1,962	2	2	2
Boeing 737-800 Series	CFM56-7B24/3	1,034	-	-	2		-
Boeing 737-800 Series	CFM56-7B26	-	434	472	-	2	2
Boeing 737-800 Series	CFM56-7B27E/B1	3,870	4,168	4,518	2	2	2

Aircraft	Engine	Number of Annual Operations			Departure Stage Length		
		Baseline Condition	Phase 1 (2025)	Phase 2 (2029)	Baseline Condition	Phase 1 (2025)	Phase 2 (2029)
Boeing 737-900 Series	CFM56-7B26/3	466	-	-	2	-	-
Boeing 737-900-ER	CFM56-7B27E/B1	2,356	1,174	1,052	2	2	3
Boeing 747-400 Series Freighter	CF6-80C2B1F	744	806	862	4	4	4
Boeing 747-8F	GEnx-2B67	926	1,000	1,084	4	4	4
Boeing 757-200 Series Freighter	RB211-535E4	2,410	2,602	2,822	3	3	3
Boeing 757-200 Series Freighter	PW2040	2,120	2,288	2,444	3	3	3
Boeing 767-200 Series Freighter	CF6-80A	1,374	1,484	1,608	4	4	4
Boeing 767-200 Series Freighter	CF6-80A2	838	904	980	4	4	4
Boeing 767-200 Series Freighter	JT9D-7R4D, -7R4D1	-	-	438	-	-	4
Boeing 767-300 ER Freighter	CF6-80C2B6F	11,902	16,278	17,584	3	3	3
Boeing 767-300 ER Freighter	CF6-80C2B7F	434	472	568	3	3	3
Boeing 767-300 ER Freighter	PW4062	1,074	1,160	1,400	3	3	3
Boeing 777-200-LR	GE90-110B1	-	990	1,074	-	3	3
Boeing 777-300 ER	GE90-115B	-	426	-	-	8	-
Raytheon Beech 99	PT6A-28	2,336	2,522	2,734	1	1	1
Cessna 172 Skyhawk	IO-360-B	2,122	2,480	2,296	1	1	1
Cessna 206	TIO-540-J2B2	440	480	472	2	2	2
Cessna 208 Caravan	PT6A-114A	5,730	6,194	6,676	1	1	1
Gulfstream G400	JT15D-1 series	-	490	542	-	1	1
Cessna 525C Citation Jet	UNKNOWN	-	462	614	-	1	1
Cessna 525 Citation Jet	JT15D-1 series	506	694	622	1	1	1
Cessna 560 Citation Excel	PW530	662	960	950	1	1	1
Cessna 750 Citation X	AE3007C	496	696	660	2	2	2
Bombardier Challenger 300	AE3007A1	698	1,094	1,200	2	2	2
Bombardier Challenger 600	CF34-3B/-3B1	650	630	550	1	1	1
Bombardier CRJ-200	CF34-3A1	2,940	1,916	-	1	1	-
Bombardier CRJ-900	CF34-8C5	2,316	2,168	1,376	1	1	1
Boeing MD-10-1 Freighter	CF6-6D	880	-	-	2	-	-
Embraer EMB120 Brasilia	PW118	564	608	660	1	1	2
Embraer ERJ145	AE3007A1/1	-	860	968	-	1	1
Embraer ERJ175-LR	CF34-8E5	1,310	1,218	3,208	2	2	2
Embraer ERJ175	CF34-8E5	1,600	1,490	1,290	2	2	2
Dassault Falcon 900	TFE731-3	438	484	-	2	2	-

Aircraft	Engine	Number of Annual Operations			Departure Stage Length		
		Baseline Condition	Phase 1 (2025)	Phase 2 (2029)	Baseline Condition	Phase 1 (2025)	Phase 2 (2029)
Dassault Falcon 50	TFE731-3	578	620	678	2	2	2
Boeing MD-11 Freighter	CF6-80C2D1F	1,876	1,328	1,492	3	3	3
Boeing MD-11 Freighter	PW4460	1,418	934	1,128	3	3	3
Boeing MD-11	CF6-80C2D1F	924	748	524	3	3	3
Boeing MD-11 Freighter	PW4062	1,718	1,174	1,296	3	3	3
Piper PA-31 Navajo	TIO-540-J2B2	590	638	692	1	1	1
Pilatus PC-12	PT6A-67B	-	440	-	-	1	-
Raytheon Premier I	JT15D-1 series	594	604	454	1	1	1
Cirrus SR22	TIO-540-J2B2	-	424	560	-	1	1
Without Project Subtotal		**106,026**	**117,626**	**127,122**			
Boeing 737-400 Series Freighter	CFM56-3-B1	-	2,496	3,744	-	2	2
Boeing 747 8F	GEnx-2B67	-	1,248	2,496	-	7	6
Boeing 767-200 Series Freighter	CF6-80A	-	1,872	3,120	-	3	3
Boeing 767-300 ER Freighter	CF6-80C2B7F	-	1,872	3,120	-	2	2
Boeing 777 Freighter	GE90-110B1	-	4,368	6,240	-	6	6
Alice Eviation	Electric	-	1,872	1,872	-	1	1
Project Subtotal		-	**13,728**	**20,592**			
Grand Total		**106,026**	**131,354**	**147,714**			

Sources: FAA, Operations Network (OPSNET), January 2022 (Actuals), ONT ANOMS, SACC projected operations, and HNTB Analysis, 2022.

With the exception of the number of operations, and for consistency, the aircraft operational data (i.e., fleet, aircraft engine assignments, and runway use) input to the AEDT were data developed in support of the noise analysis. Aircraft with at least 183 operations annually (more than 0.5 operations daily) were retained in the fleet mix for air quality analysis as they represent most of the operations. The retained operations were scaled up to match the total number of operations developed in the fleet mix. The average weighted departure stage lengths were applied. Default GSE and APU assignments in AEDT were applied. Because it is customary for criteria air pollutant and pollutant precursor inventories to be reported in tons on an annual basis, the number of operations were factored to reflect the actual annual (year 2019/2020) and future forecast (year 2023, 2024, and 2025) level of operations for the air quality analysis.

Table A-2 presents the aircraft operations (i.e., aircraft type, engine assignments[7], stage lengths[8], and daily/annual operations), associated with Phase 1 (2025) of the Proposed Action. **Table A-3** presents the aircraft operations associated with Phase 2 (2029) of the Proposed Action.

Table A-2
Proposed Action Aircraft Operations – Phase 1 (2025)

Aircraft Description	Engine	Departure Stage Length	Annual Arrivals	Annual Departures	Daily Arrivals	Daily Departures
Boeing 737-400 Series Freighter	CFM56-3-B1	2	1,248	1,248	4	4
Boeing 747 8F	GEnx-2B67	7	624	624	2	2
Boeing 767-200 Series Freighter	CF6-80A	3	936	936	3	3
Boeing 767-300 ER Freighter	CF6-80C2B7F	2	936	936	3	3
Boeing 777 Freighter	GE90-110B1	6	2,184	2,184	7	7
Alice Eviation	-	1	936	936	3	3
		Total	**6,864**	**6,864**	**22**	**22**
Sources: SACC projected operations, 2022.						

[7] Recommendations from both the FAA and Airlines for America.

[8] Great circle distances to each destination were calculated and then matched to the stage length brackets in the FAA air quality model. The stage length was then weighted by the number of operations in each distance bracket to estimate the average stage length.

Table A-3
Proposed Action Aircraft Operations – Phase 2 (2029)

Aircraft Description	Engine	Departure Stage Length	Annual Arrivals	Annual Departures	Daily Arrivals	Daily Departures
Boeing 737-400 Series Freighter	CFM56-3-B1	2	1,872	1,872	6	6
Boeing 747 8F	GEnx-2B67	6	1,248	1,248	4	4
Boeing 767-200 Series Freighter	CF6-80A	3	1,560	1,560	5	5
Boeing 767-300 ER Freighter	CF6-80C2B7F	2	1,560	1,560	5	5
Boeing 777 Freighter	GE90-110B1	6	3,120	3,120	10	10
Alice Eviation	-	1	936	936	3	3
		Total	**10,296**	**10,296**	**33**	**33**

Sources: SACC projected operations, 2022.

Aircraft Emission Factors

AEDT default emission factors were used to estimate aircraft emissions for all aircraft.

Aircraft Time-in-Mode

Aircraft have four operational modes—approach, taxi, takeoff, and climbout. AEDT default times in mode were assumed for the approach, takeoff, and climbout modes. Times in mode for taxi-in (for arrivals) and taxi-out (for departures) for the Baseline Condition were obtained from the FAA's Aviation System Performance Metrics (ASPM) database. The taxi times for Phase 1 and Phase were developed by HNTB using airfield simulation models.

Except for ground-based taxi-in/taxi-out, including apron idling and departure runway queue delay, the default aircraft operating times in AEDT by aircraft mode (e.g., approach, take-off, climbout) were used. For the Baseline Conditions, airport-specific times-in-mode for taxi-in and taxi-out were obtained from the FAA Aviation System Performance Metrics (ASPM) database. It was determined that the Baseline Conditions airfield-wide average taxi-in time was 5 minutes and 17 seconds, and the average taxi-out time was 12 minutes and 11 seconds.

Future scenario taxi-in/taxi-out times were obtained through simulations using AirTOP. AirTOP is a gate-to-gate air traffic and airport simulation and assessment software. Future scenario simulations were set up in a way that was consistent with taxiway improvements in the future years. The taxi time outputs from future scenario simulations were compared with the Baseline Conditions simulation output and adjustment factors were calculated. The adjustment factors were applied to the Baseline Conditions annual average taxi times from FAA ASPM database to obtain the future scenario taxi times.[9]

[9] AirTOP is a planning tool used to recreate air traffic operations for the Terminal Control Area and the airfield system. It is an advanced network-based model in which the airspace and ground structures are defined with a respective sequence of waypoints and taxiway points. Aircraft movements are then conducted over the points and segments that make up the

Table A-4 provides the taxi-in/taxi-out time inputs to AEDT by year and alternative. As shown, the Proposed Project would increase the taxi-in times and taxi-out times. This is a result of the greater number of aircraft operations which decreases airfield taxi efficiency.

Table A-4
Aircraft Taxi Times

Condition	Alternative	Taxi Time (Minutes)	
		Taxi In (Arrivals)	Taxi Out (Departures)
Baseline		5:17	12:11
Phase 1 (2025)	No Action	5:20	13:36
	No Action with SACC	5:26	14:26
Phase 2 (2029)	No Action	5:21	13:39
	No Action with SACC	5:26	14:23
Source: FAA's Aviation System Performance Metrics (ASPM) database and HNTB, 2022			

Ground Support Equipment (GSE)/Auxiliary Power Units (APU)

GSE includes ground equipment essential for passenger and aircraft services, such as aircraft tractors, baggage tractors, belt loader, cargo loader, fuel hydrant cart. and various service trucks. APU provides power to sufficiently large commercial aircraft. In addition to aircraft emissions, GSE and APU are also sources of CO, VOC, NOx, SO_2, PM_{10}, and $PM_{2.5}$, among other pollutants.[10]

GSE/APU Emission Factors

Default AEDT emission factors were used to prepare emissions for GSE and APU.

GSE/APU Operating Time

Default AEDT operating times were used to prepare emissions for GSE and APU.

The Proposed Project would use electric GSE. The Proposed Project would provide aircraft gate power within the Project site which would reduce APU operating times to less than 26 minutes.

airspace and ground networks. Travel time and delay information is recorded by AirTOP as the input flights traverse the points and segments. To develop the baseline conditions, OIAA worked closely with FAA to accurately represent operations at ONT, which included many meetings with FAA Air Traffic Control Tower staff and ONT Operations staff to review assumptions on taxi routes, speeds, runway occupancy times, in-trail separations, use of airspace routes, runway operating configurations, and specific pilot behaviors. The baseline conditions simulation was calibrated by sharing simulation animations and output statistics with stakeholders for review and comment. Following several rounds of review, a well-calibrated model was established. Future scenario simulations were set up while incorporating potential future ONT projects (e.g., runway closures, temporary suspension of contra flow during construction, and taxiway improvements) in the future years.

10 APU/GSE associated with passenger, FedEx and UPS aircraft and other similar activities are not affected by the proposed project and therefore, were not included in the analysis.

Ground Access Vehicles

Project-related ground access vehicles include employee-owned vehicles and delivery trucks.[11] Emissions factors for this airport source were obtained from the EMFAC model. For the proposed project, electric charging stations would be provided in the employee and visitor parking lots, and truckyard. The motor vehicle fleet mix and fuel type were based on information within EMFAC. Employees would conduct 2,531 trips per day resulting in 35,402 miles per day during Phase 1 and 35,540 trips per day during Phase 2. Delivery trucks would conduct 150 trips per day resulting in 9,889 miles per day during Phase 1 (excluding fuel trucks during Phase 1 which were includes as ground support equipment with 48 trips per day at three miles per trip) and 224 trips per day resulting in 14,623 trips per day during Phase 2. Employee vehicles would travel 14 miles per trip. Full delivery trucks would travel 90.6 miles per trip during Phase 1 and 88.3 miles per trip during Phase 2. Empty delivery trucks would travel 14 miles per trip.

Project-related employee and delivery truck volumes per intersection/roadway segment were used to estimate the air quality impacts along nearby intersections/roadways

Stationary Sources

The Proposed Project requires that the entire facility be backed up on generator power to provide emergency power primarily for lighting and other emergency building systems. To accomplish this, it is estimated that seven 2.0-megawatt diesel-engine driven generators are required.[12]

Aircraft Engine Run-ups

Airlines routinely inspect and maintain their aircraft to ensure the safety of the traveling public. Each aircraft is on a stringent maintenance schedule based on its number of hours in operation. As part of this regularly scheduled maintenance, the FAA requires aircraft engine ground run-ups. Run-ups are routine aircraft engine maintenance tests that require the operation of an engine at various power settings for several minutes on the ground. The Airport provided detailed engine 2019 run-up logs. There were less than 100 run-ups during 2019. No Proposed Project aircraft operations would be expected to conduct engine run-up maintenance, and therefore, were not included in the analysis.

[11] Airport passenger associated motor vehicles, terminal deliveries, FedEx and UPS delivery trucks, and other similar activities are not affected by the proposed project and therefore, will not be included in the analysis.

12 Passenger terminal (as well as FedEx and UPS) boilers, generators, and other stationary sources are not affected by the Proposed Project and therefore, were not included in the analysis.

Dispersion Modeling

Dispersion is the process by which atmospheric pollutants spread due to wind and vertical stability. The base data for this type of analysis is emissions inventories. A dispersion model uses an emissions inventory to estimate concentrations of pollutants at specific locations. Dispersion models use hourly average meteorological data, terrain elevation data, and source emission release characteristics to compute downwind pollutant concentrations over periods that can range from one hour to one year.

The dispersion model used for the air quality analysis, USEPA's AERMOD (Version 21112), is state-of-the-art. Given the accuracy of the input data, the model results offer the best available estimates with which to predict ambient concentrations of air pollutants. AERMOD simulates point, area, volume, and line emissions sources. AERMOD was executed using regulatory default options for stack-tip downwash, buoyancy-induced dispersion, and final plume rise, default wind speed profile categories, default potential temperature gradients, and—except for an analysis that was performed to convert predicted concentrations of NO_x to concentrations of NO_2 —no pollutant decay.

The selection of the appropriate dispersion coefficients depends on the land use within three kilometers (km) of the project site. The types of land use were based on the classification method defined by Auer (1978), using pertinent United States Geological Survey (USGS) 1:24,000 scale (7.5 minute) topographic maps of the area. If the Auer land use types of heavy industrial, light-to-moderate industrial, commercial, and compact residential account for 50 percent or more of the total area, the USEPA *Guideline on Air Quality Models.*[13] recommends using urban dispersion coefficients; otherwise, the appropriate rural coefficients can be used. Per SCAQMD guidance, urban dispersion coefficients were applied within AERMOD. For this Proposed Project, all emissions sources were modeled with urban effects using the population of 2,035,210 for San Bernardino County.[14]

Aircraft Emission Release Characteristics

As stated previously, AERMOD simulates point, area, volume, and line emissions sources. AEDT was used to prepare the AERMOD input files and was used to develop the aircraft operational emissions sources as area sources.

AEDT aligns the y axis of the surface voxel grid[15] with the runway. The x spacing of the surface voxel grid is set to 20 meters and corresponds to the width of each area source. The y spacing of the voxel grid is

13 United States Environmental Protection Agency, *Guideline on Air Quality Models (Revised), 40 Code of Federal Regulations, Part 51, Appendix W,* November 2005

14 South Coast Air Quality Management District, *SCAQMD Modeling Guidance for AERMOD*, https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance

15 A unit of graphic information that defines a point in three-dimensional space.

calculated based on the runway length and corresponds to the length of each area source. The result is a series of area sources along the runway and taxiways.

AEDT aligns the y axis of the three-dimensional voxel grid with the runway. The x spacing of the three-dimensional voxel grid is set to 20 meters and corresponds to the width of each airborne area source. The y spacing of the three-dimensional voxel grid is set to 200 meters and corresponds to the length of each airborne area source. AEDT then sets the emissions release height (12 meters) of the runway and airborne area sources. The result is a series of area sources along the airborne flight paths extending for miles beyond the runway ends.

The initial vertical dispersion parameter, Sigma-z describes the vertical concentration distribution at the source. The initial distribution is a Gaussian "bell-curve" whose meaning is the release height and whose standard deviation is equal to the Initial Sigma-z (4.1 meters). In dispersion, this provides the model with an initial finite concentration of pollutant.

AEDT produces raw hourly emissions (HRE files) for airborne operations, taxi operations, ground (runways) operations, and gate/apron operations. These hourly emissions are a function of the aircraft operations, operational profiles, runway usage, assigned taxiways, and meteorological data. AEDT also produces an AERMOD input file; the hourly emissions, input, and meteorological data are then used by AERMOD to estimate ambient concentrations at a select list of receptors.

Figure A-1 displays the modeling emission sources associated with aircraft operations, including gate/apron positions, taxiways, and airborne approach/climb out/takeoff. The airborne approach/climb out/takeoff elements extend well beyond the airport boundary and above the ground.

Meteorological Data

AERMOD uses both surface and upper air meteorological conditions. The dispersion modeling analysis used hourly meteorological data collected at Ontario International Airport for a five-year period (2012 through 2016) and provided by SCAQMD.[16] **Figure A-2** provides the wind rose for this time period. As shown, wind directions are dominantly from the west-southwest with average wind speed conditions of 6.4 miles per hour (2.9 meters per second). **Figure A-3** provides the wind speed distribution showing a large percentage of calm or light wind speeds.

16 South Coast Air Quality Management District, SCAQMD Modeling Guidance for AERMOD, https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance

Figure A-1
Dispersion Modeling Aircraft Emission Source Locations

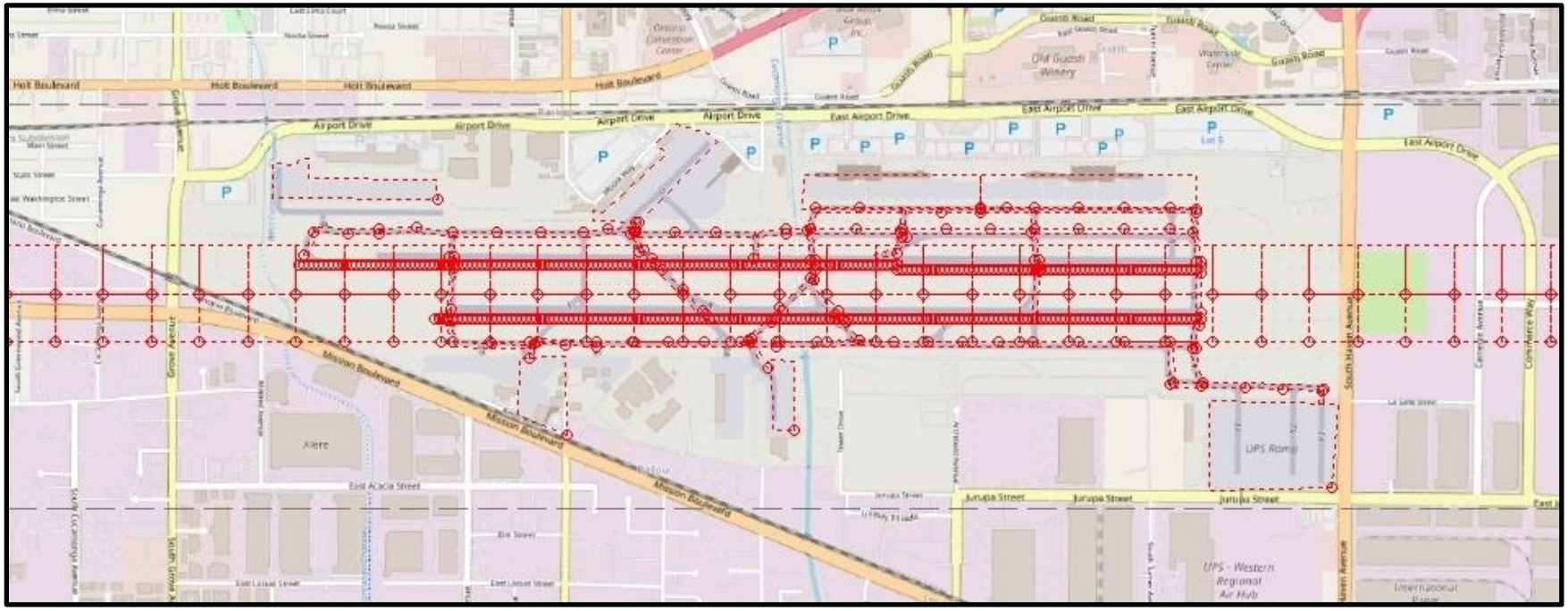


Figure A-2
Wind Rose for Ontario International Airport form 2012 through 2016

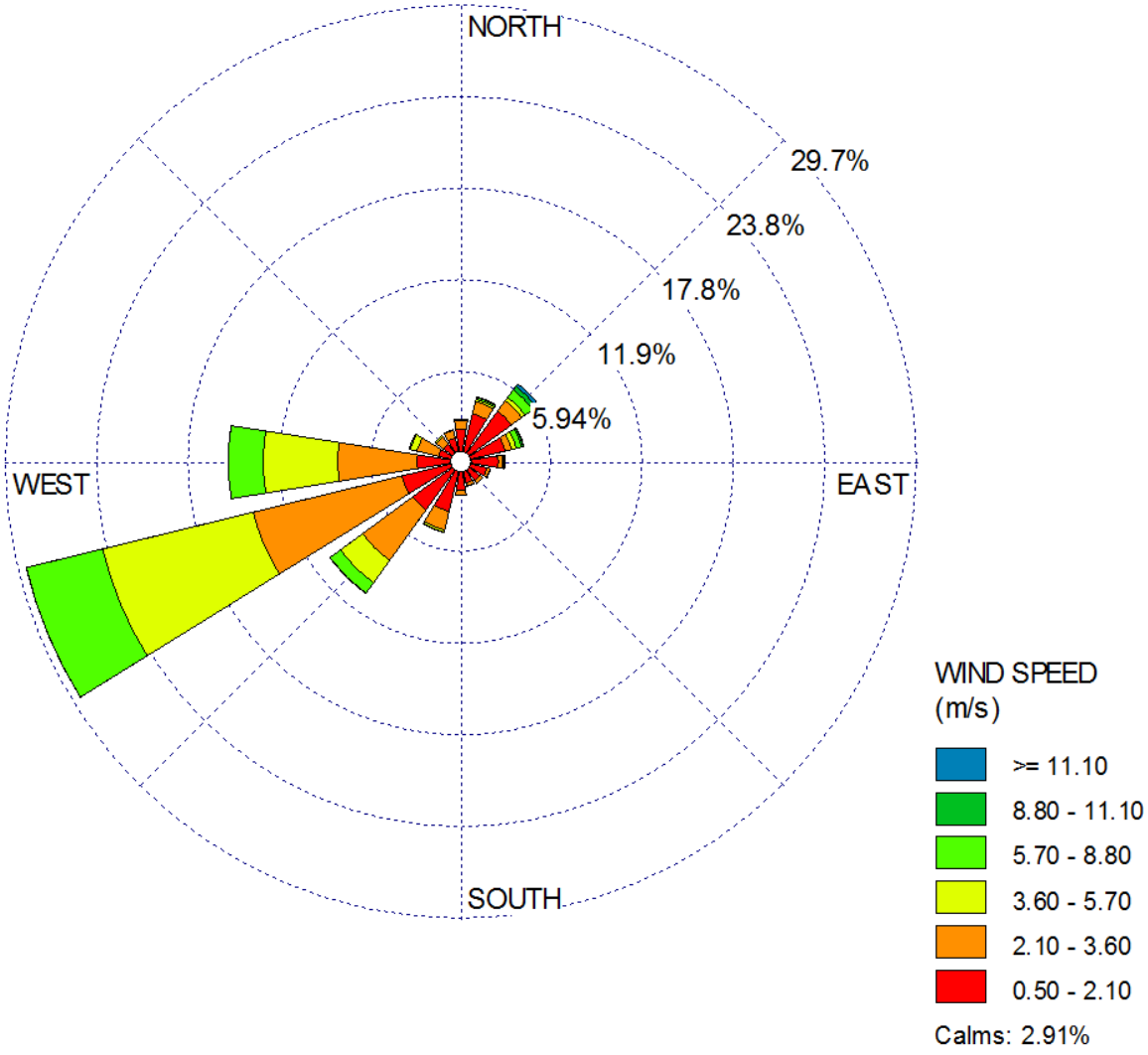
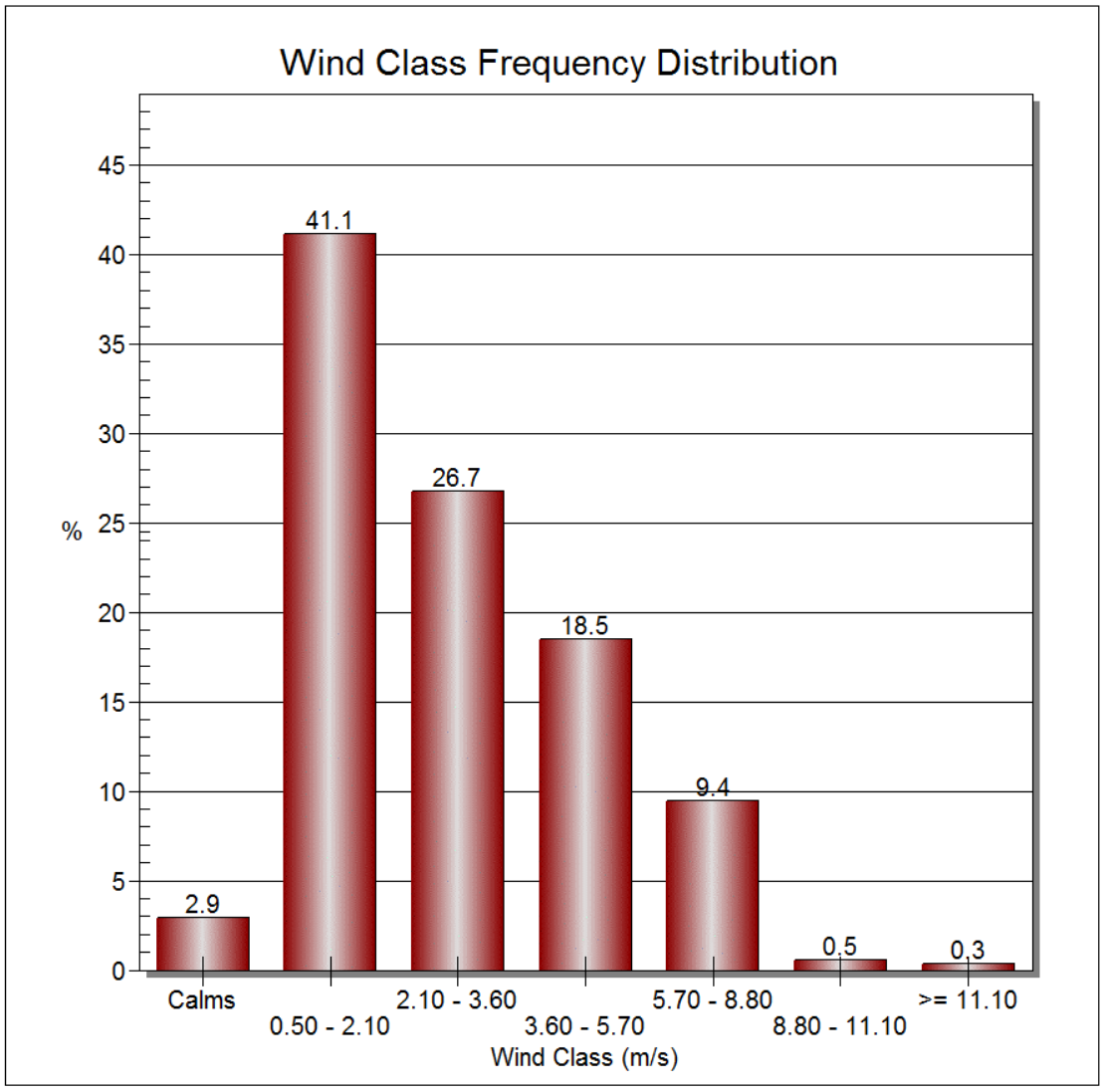


Figure A-3
Wind Speed Distribution for Ontario International Airport form 2012 through 2016



The term "atmospheric mixing height" generally describes the height above ground level where the mixing of most air pollutants in the ambient (i.e., outdoor) air occurs. Within the atmosphere, this height is determined by an assortment of environmental factors including temperature, humidity, solar radiation, wind speed, and topographic features on the ground (i.e., valleys, mountains, water bodies, etc.). The atmospheric mixing height is dynamic and moves up or down both spatially and temporally throughout the day, season, and year with corresponding changes in these abovementioned factors. The mixing height (i.e., the top of the layer of unstable or neutral air above ground) determines the limits of vertical transport and diffusion of pollutants. A value of 2,402 feet was used for the mixing height.[17] Notably, the mixing height is used by AEDT in the calculation of air pollutant/pollutant precursor emissions inventories. The mixing height value is not specifically used within the AERMOD dispersion model.

To determine the year of meteorological data that would result in the greatest predicted pollutant concentrations, a screening analysis was performed. Because it was anticipated that the predicted concentrations of NO_2 would be closest to the National Ambient Air Quality Standard (NAAQS), the screening analysis was performed for one-hour and annual NO_2 concentrations. The meteorological year resulting in the highest one-hour and annual NO_2 concentrations was the year 2013. This year was used to evaluate all pollutants and averaging periods for Baseline Condition, Phase 1, and Phase 2.[18]

Receptors

For the air quality dispersion analysis, concentrations were predicted at enough locations (referred to as receptors)[19] to identify maximum concentrations. Because the AEDT/AERMOD run time is significant when many receptors are evaluated, a strategy was developed to balance the number of receptors while optimizing the fidelity of the results. The following lists the types of receptors that were evaluated:

- **Boundary and Cartesian receptors** – Boundary receptors were in areas along the Airport boundary at a spacing of approximately 10 degrees. This distribution of receptors is standard when conducting an airport air quality assessment. Additionally, evenly receptors (known as Cartesian receptors) were placed beyond the boundary. **Figure A-4** displays the boundary and Cartesian

17 South Coast Air Quality Management District, Draft Aircraft Emissions Inventory for South Coast Air Quality Management District, August 2016, http://www.aqmd.gov/docs/default-source/planning/fbmsm-docs/aircraft-emissions-inventory-for-the-south-coast-air-quality-management-district.pdf

18 The emission distribution for NOx is like the emission distribution for CO, SO_2, PM_{10}, and $PM_{2.5}$ because most of the emissions result from aircraft and the temporal operational profiles for aircraft are the same regardless of pollutant. The one-hour and annual NO_2 concentration is worst-case for the same meteorological year. As such, the worst-case concentrations of CO, SO_2, PM_{10}, and $PM_{2.5}$ for both short- and long-term averaging periods occur in the same year. Of note, based on experience, the percentage of the airport/project contribution to the total concentration (airport/project plus background) are highest for NO_2 and the closest to the NAAQS compared to the other pollutants. Therefore, it is unlikely that use of a different year of meteorological data would substantially change the resulting conclusions for CO, SO_2, PM_{10}, or $PM_{2.5}$.

19 The term *receptor* generically describes outdoor land uses or activities which it can be reasonably expected that the public would occupy for a period ranging from one hour to one year.

receptors used in the ambient air quality standards analysis. Additional receptors may be assigned surrounding the location of the maximum concentration to further augment the receptor grid and in-line with the runway ends/beyond the Airport boundary at a spacing recommended within the Modeling Guidance for AERMOD.

- **Sensitive receptors** – Sensitive receptors include schools, parks, residential areas, and health-/day-care centers located in the vicinity of the Airport. **Figure A-5** displays the off-site worker receptors. Receptors were also placed to represent onsite workers within the passenger terminal areas), as shown in **Figure A-6**. **Figure A-7** displays the residential areas surrounding the Airport. **Figure A-8** displays the residential and school receptors used in the health risk assessment.

- **Worst-case receptors** – Worst-case receptors were also selected near air emissions sources such as near runway ends. These receptors represent sites where the pollutant concentrations are expected to be the highest and the public would reasonably be expected to occupy the area for a period of one hour or more.

The maximum project-related concentrations occur in-line and directly beyond the runway ends and nearest to the project site and along the Airport boundary. As such, receptors were generally limited to within two miles of the Airport boundary, in-line with the runway ends, and near the project site (i.e., on the south side of the Airport).

For the ambient air quality dispersion modeling, the height of each receptor was assumed to be ground level consistent with SCAQMD modeling guidance.

Figure A-4
Air Dispersion Modeling Boundary and Cartesian Receptors

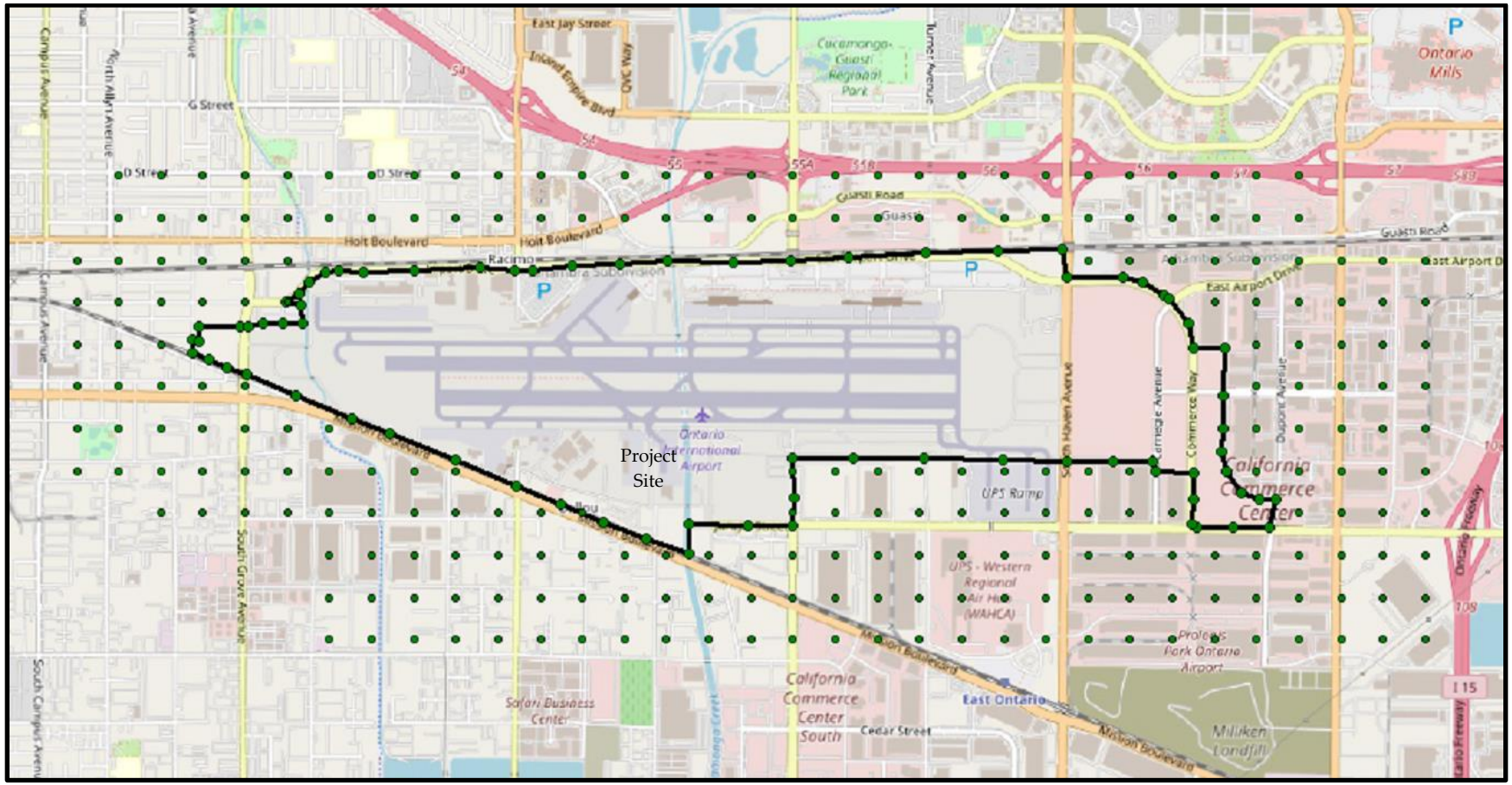


Figure A-5
Air Dispersion Modeling Off-Site Worker Receptors

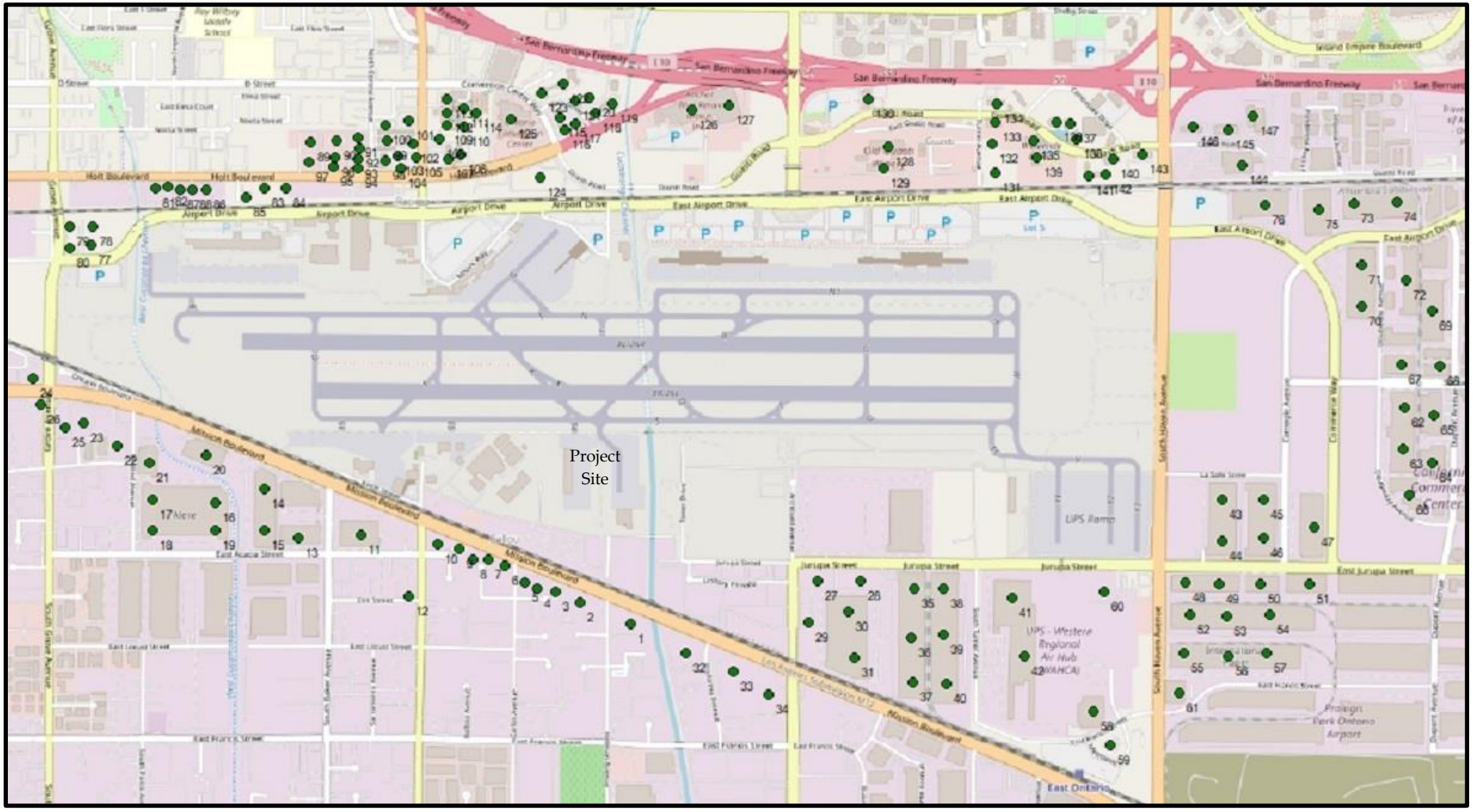


Figure A-6
Air Dispersion Modeling Onsite Worker Receptors

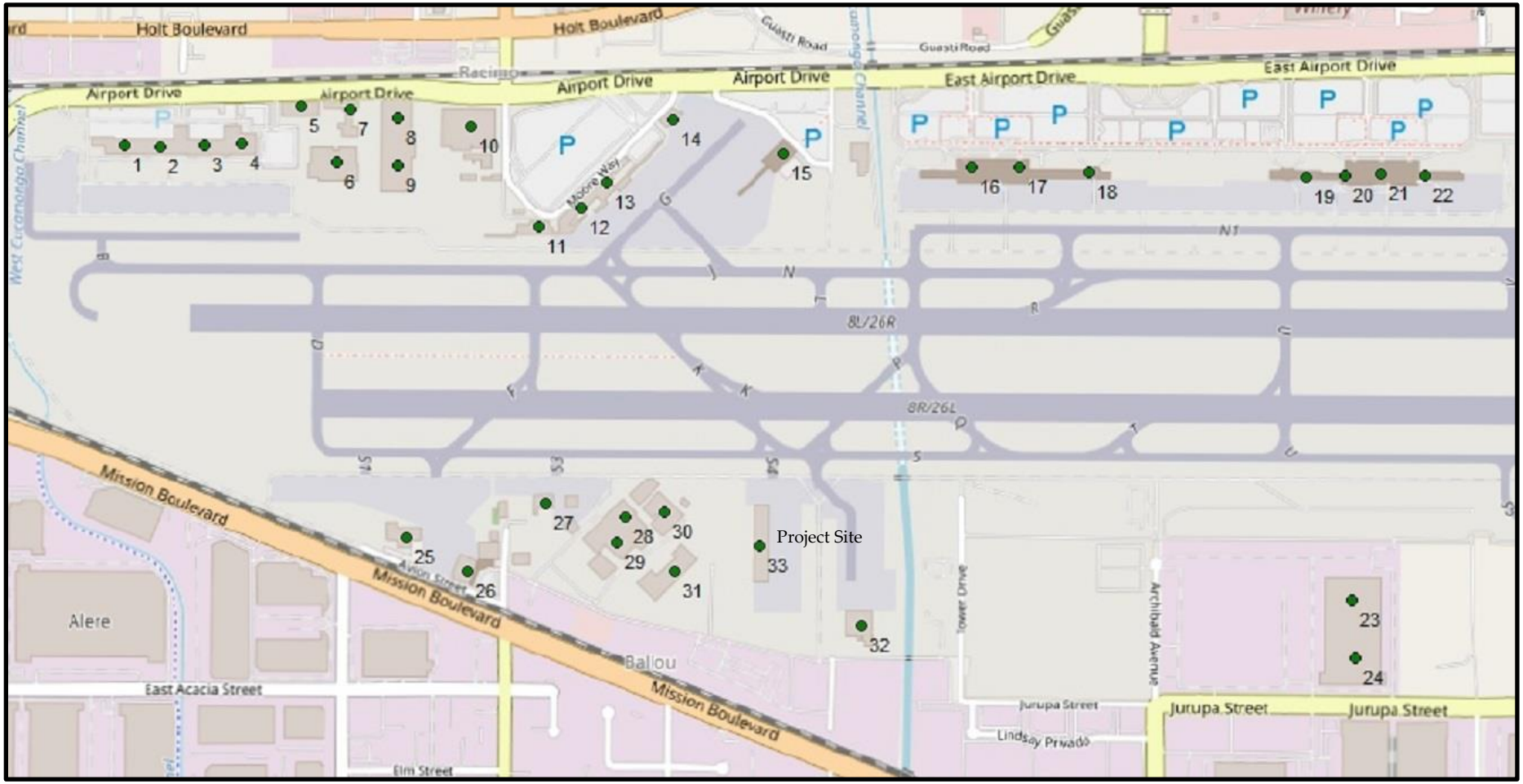


Figure A-7
Residential Areas Surrounding the Airport

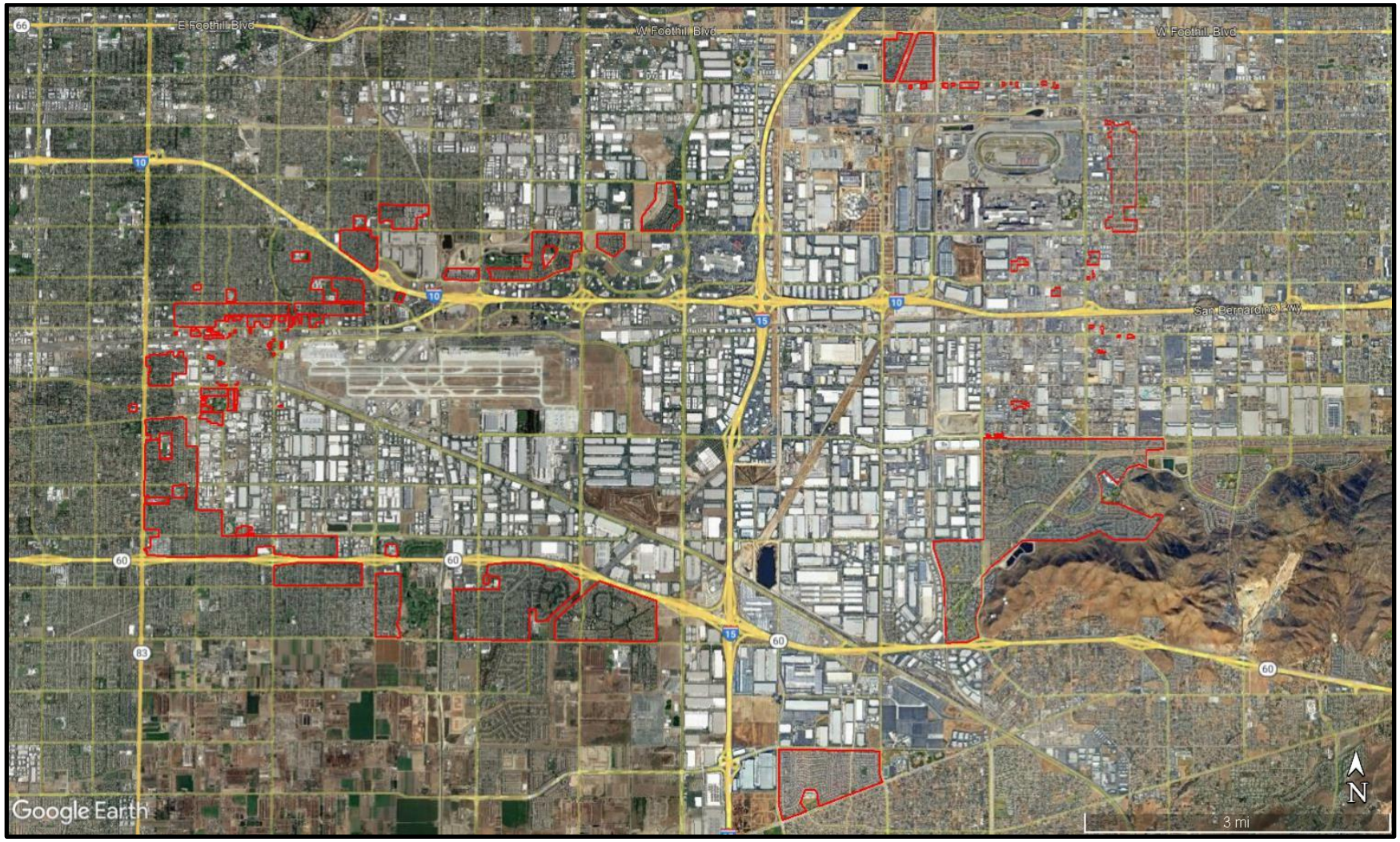
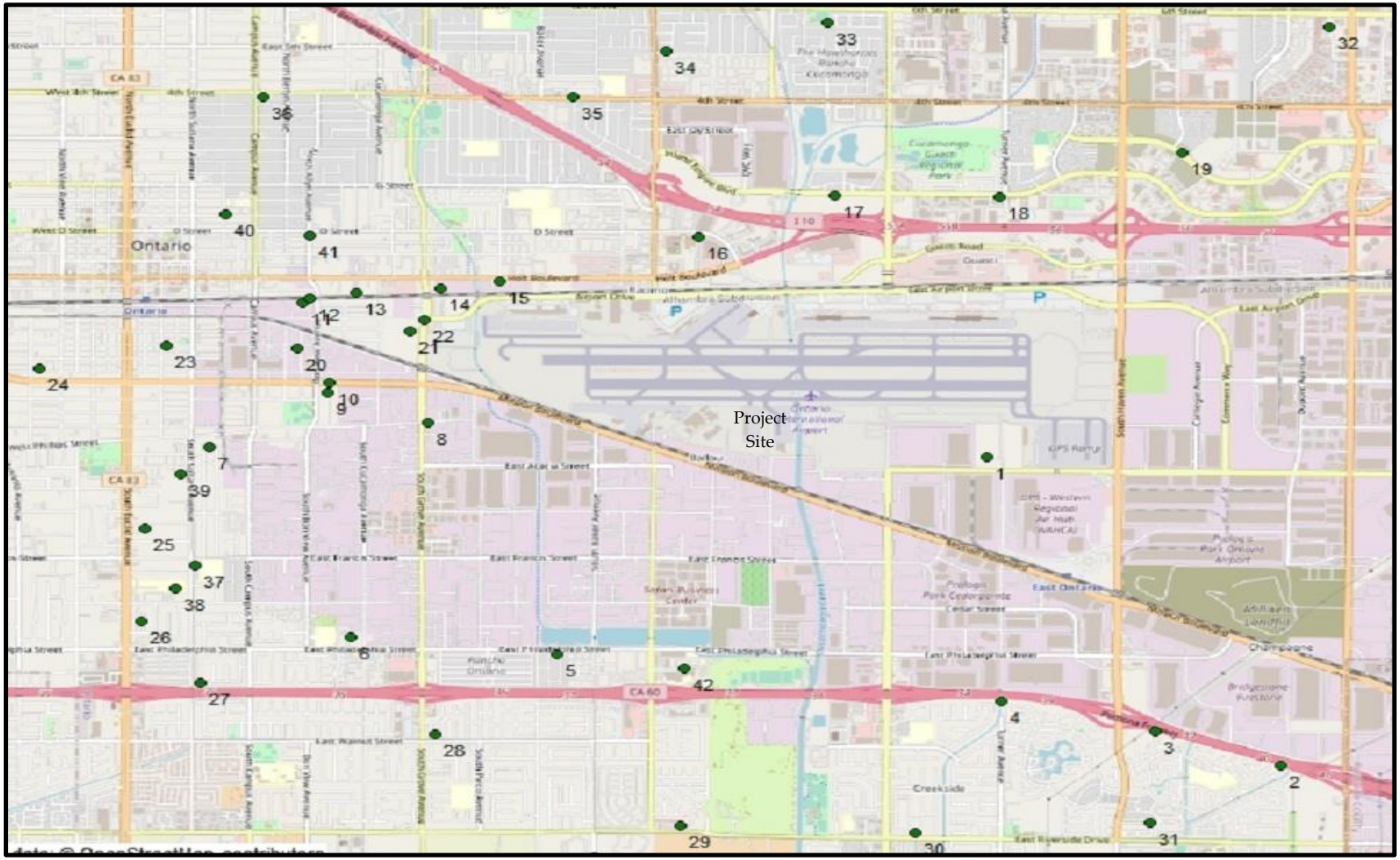


Figure A-8
Air Dispersion Modeling Residential and School Receptors



Operational Profile

An operational profile, which is comprised of temporal factors, were used to describe the relationship of one period to another period of time (i.e., the relationship of the activity during one-hour to the activity during a 24-hour period). In AEDT, temporal factors are applied to represent varying levels of activity as a fraction of a peak hour. The use of temporal factors gives the model the ability to more accurately reflect real world conditions during an entire year.

To represent actual aircraft activity at the Airport throughout the entire calendar year, hour-of-day, day-of-week, and month-of-year operational profiles were used in the air quality analysis. These profiles were used by AEDT in its dispersion mode to calculate concentrations for each hour of the evaluated years at each receptor location.

The hour of the day, day of the week, and monthly operational profiles for the Baseline Condition were developed using airport-specific activity data from FAA's Operations and Performance Data (OPSNET) for the years of 2018 through 2020 (**Table A-5)**. As shown, the peak aircraft operations not associated with the Proposed Project would occur during 7 am (departures) and 7 pm (arrivals) during Tuesday in December. Future year operational profiles for non-project aircraft operations were assigned as the same as for the Baseline Condition. Project aircraft operational profiles were based on anticipated operating schedules and reflective of a greater number of nighttime/early morning operations for the project compared to non-project aircraft operations (**Tables A-6 and A-7**). As shown, peak Proposed Project aircraft operations would occur during the early morning/noon/nighttime on a Thursday in December.

Table A-5
Ontario International Airport Aircraft Operational Profiles

Hour	Arrival	Departure	Operations
1	0.1691	0.4706	0.4851
2	0.0399	0.2179	0.1963
3	0.0785	0.3620	0.3351
4	0.1778	0.1805	0.2693
5	0.1773	0.1415	0.2391
6	0.1752	0.3911	0.4288
7	0.1532	**1.0000**	0.8790
8	0.3122	0.8435	0.8763
9	0.4739	0.5175	0.7457
10	0.6002	0.4351	0.7758
11	0.4771	0.5312	0.7586
Noon	0.4556	0.4875	0.7093
1	0.4074	0.4650	0.6565
2	0.3704	0.4245	0.5982
3	0.4088	0.3679	0.5832
4	0.5268	0.4186	0.7090
5	0.5882	0.3977	0.7382
6	0.7270	0.3279	0.7871
7	**1.0000**	0.3432	**1.0000**
8	0.5324	0.5017	0.7767
9	0.5311	0.2763	0.6031
10	0.6768	0.2834	0.7159
11	0.5885	0.1715	0.5651
Midnight	0.3402	0.1866	0.3937

Day	Profile
Sunday	0.5950
Monday	0.7726
Tuesday	**1.0000**
Wednesday	0.9938
Thursday	0.9844
Friday	0.8723
Saturday	0.6262

Month	Profile
January	0.9042
February	0.8359
March	0.8852
April	0.7950
May	0.8355
June	0.8746
July	0.8995
August	0.9417
September	0.8806
October	0.9436
November	0.9065
December	**1.0000**

Sources: Traffic Flow Management System Counts (TFMSC), Aviation System Performance Metrics (ASPM), and Operations Network (OPSNET)

Table A-6
Ontario International Airport SACC Aircraft Operational Profiles for Phase 1

Hour	Arrival	Departure	Operations
1	-	-	-
2	0.3333	-	0.2500
3	-	0.3333	0.2500
4	-	0.3333	0.2500
5	0.3333	1.0000	**1.0000**
6	0.6667	0.6667	**1.0000**
7	0.6667	0.3333	0.7500
8	0.3333	0.3333	0.5000
9	-	1.0000	0.7500
10	0.3333	-	0.2500
11	0.3333	-	0.2500
Noon	**1.0000**	-	0.7500
1	-	**1.0000**	0.7500
2	-	-	-
3	-	-	-
4	0.3333	-	0.2500
5	-	-	-
6	-	0.3333	0.2500
7	-	-	-
8	0.3333	-	0.2500
9	-	-	-
10	0.3333	0.3333	0.5000
11	0.6667	0.3333	0.7500
Midnight	0.6667	0.3333	0.7500

Day	Profile
Sunday	0.6111
Monday	0.7222
Tuesday	0.8889
Wednesday	0.9444
Thursday	**1.0000**
Friday	0.7778
Saturday	0.6111

Month	Profile
January	0.5333
February	0.4667
March	0.6000
April	0.6000
May	0.6000
June	0.6000
July	0.5333
August	0.6000
September	0.6667
October	0.6667
November	0.7333
December	**1.0000**

Sources: SACC ONT Air Schedule, December 12, 2021, and Patrick Shryock, December 20, 2021

Table A-7
Ontario International Airport SACC Aircraft Operational Profiles for Phase 2

Hour	Arrival	Departure	Operations
1	-	-	-
2	0.3333	-	0.2000
3	-	0.2000	0.2000
4	-	0.2000	0.2000
5	0.3333	0.6000	0.8000
6	0.6667	0.4000	0.8000
7	0.6667	0.2000	0.6000
8	0.3333	0.2000	0.4000
9	0.6667	0.6000	**1.0000**
10	**1.0000**	0.4000	**1.0000**
11	**1.0000**	-	0.6000
Noon	**1.0000**	-	0.6000
1	-	0.6000	0.6000
2	-	0.4000	0.4000
3	**1.0000**	-	0.6000
4	0.3333	-	0.2000
5	-	**1.0000**	**1.0000**
6	-	0.2000	0.2000
7	0.6667	-	0.4000
8	0.3333	-	0.2000
9	-	-	-
10	0.3333	0.6000	0.8000
11	0.6667	0.2000	0.6000
Midnight	0.6667	0.2000	0.6000

Day	Profile
Sunday	0.6111
Monday	0.7222
Tuesday	0.8889
Wednesday	0.9444
Thursday	**1.0000**
Friday	0.7778
Saturday	0.6111

Month	Profile
January	0.5333
February	0.4667
March	0.6000
April	0.6000
May	0.6000
June	0.6000
July	0.5333
August	0.6000
September	0.6667
October	0.6667
November	0.7333
December	**1.0000**

Sources: SACC ONT Air Schedule, December 12, 2021, and Patrick Shryock, December 20, 2021

Nitrogen Oxides (NO_x) to Nitrogen Dioxide (NO_2) Conversion

The results of the dispersion modeling provide predicted concentrations of NO_x which, for comparison to the ambient air quality standards, were converted to concentrations of NO_2. While AERMOD is generally considered a non-chemistry model, it offers three methods for modeling NO_2 formation from NO_x emissions: (i) the Ambient Ratio Method (ARM-2), (ii) the Ozone Limiting Method (OLM), and (iii) the Plume Volume Molar Ratio Method (PVMRM). As discussed in USEPA's Appendix W, PVMRM is most appropriate for analyses with relatively isolated and elevated sources. OLM is more appropriate for analyses with area sources, near-surface releases, or where plume overlap from multiple sources would occur. Moreover, USEPA's *Guideline on Air Quality Models*[20], recommends a three-tiered screening approach to estimate ambient concentrations of NO_2:

20 Appendix W to Part 51 – Guideline on Air Quality Models, http://www.ecfr.gov/cgi-bin/text-idx?SID=e6a5b817b94abf58460f48c032d9a39c&node=40:2.0.1.1.2.23.11.5.37&rgn=div9

- *Tier 1* – Assumes complete (100 percent) conversion of all emitted NO_x to NO_2 based on application of an appropriate refined modeling technique under *Section 4.2.2 of Appendix W* (of the USEPA's Guideline) to estimate ambient NO_x concentrations.

- *Tier 2* – Ambient Ratio Method (ARM-2), where model predicted NO_x concentrations are multiplied by a NO_2/NO_x ambient ratio, derived from ambient monitoring data.

  ARM-2 incorporates a variable ambient ratio that is a function of model predicted one-hour NO_x concentration, based on an analysis of nationwide hourly ambient NO_x monitoring data from approximately 580 stations over the period 2001 through 2010.

- *Tier 3* – Performs a detailed analysis on a case-by-case basis by employing the OLM or PVMRM. These methods require the most detailed level of analysis and produce the least conservative, and presumably the most representative results. Tier 3 requires information such as in stack NO_2/NO_x ratio and ambient ozone concentrations.

The dispersion modeling was performed using the ARM-2 and using the USEPA default NO_2 to NO_x minimum and maximum ambient ratios of 0.5 to 0.9 per SCAQMD and USEPA guidance.[21] The dispersion modeling was also performed using NO_2 to NO_x ambient ratios of 0.2 to 0.9 (for informational purposes only); as several studies have shown that a minimum ambient ratio of 0.2 better represents aircraft exhaust environments, which tend to be at higher exhaust temperature.

Extensive emission testing has been conducted on a wide range of aircraft engines in the last decade. This research has shown that the aircraft-related NO_2/NO_x emission ratio differs markedly from most other NO_x sources.[22] For aircraft, the NO_2 fraction of NO_x decreases with power, from over 98 percent at the lowest power setting (four percent rated thrust or taxi/idle) to under 10 percent at higher power settings (65 to 100 percent rated thrust for climb out/takeoff).[23] Overall, the amount of NO_x emissions emitted by aircraft was assumed to be 3.3 kilogram (kg) per engine per LTO, of which 0.8 kg is emitted in the form of NO_2.[24] **Table A-8** lists the NO_2/NO_x emission ratios for each aircraft operating mode. As shown, aircraft emissions tend to range with an emissions ratio of 0.1 to 0.9, therefore, ambient ratios within airport environments have shown within ambient monitoring data to range from 0.2 to 0.9. As a result, the air

21 Clarification on the Use of AERMOD Dispersion Modeling for Demonstrating Compliance with the NO_2 National Ambient Air Quality Standard, September 30, 2014.

22 Aircraft Particulate Emissions eXperiment – APEX (2004), JETS-APEX2 (2005), and APEX3 (2005).

23 Wormhoudt, Joda, Scott Herndon, Paul Yelvington, Richard Miake-Lye, and Changlie Wey. *Nitrogen Oxide (NO/NO2/HONO) Emissions Measurements in Aircraft Exhausts*. Journal of Propulsion and Power 23, no. 5 (2007): 906-11.

24 Wood, Ezra, Scott Herndon, Michael Timko, Paul Yelvington, and Richard Miake-Lye. *Speciation and Chemical Evolution of Nitrogen Oxides in Aircraft Exhaust Near Airports*. Environmental Science & Technology, 2008, 42, 1884-1891.

quality analysis was performed using the default and non-default ambient ratios for the conversion of NO_x to NO_2.

Table A-8
Aircraft NO_2 to NO_x Emission Ratios

Operating Mode	NO_2/NOx Ratio (kg/kg)	NO_2 Emissions (kg)	NOx Emissions (kg)
Idle	0.914	0.53	0.58
Approach	0.155	0.08	0.49
Takeoff	0.081	0.06	0.70
Climb out	0.088	0.13	1.53
Source: Wood, Ezra, Scott Herndon, Michael Timko, Paul Yelvington, and Richard Miake-Lye. *Speciation and Chemical Evolution of Nitrogen Oxides in Aircraft Exhaust Near Airports*. Environmental Science & Technology, 2008, 42, 1884-1891.			

Runways

AEDT requires that the runway layout be defined, usually in the form of points of latitude and longitude. The runway layout was set up in AEDT using current runway coordinates. **Table A-9** provides the runway end locations for the airfield. There are no differences in the runways for the Baseline Condition and future year alternatives.

Table A-9
Runway Coordinates

Runway Endpoint	Centerline Endpoint		Threshold Crossing height (feet)	Arrival Displaced Threshold (feet)
	Latitude (deg)	Longitude (deg)		
08L	34.05687919	-117.6228218	62	997
26R	34.05689608	-117.5825571	75	0
08R	34.05496053	-117.6162283	65	0
26L	34.05497258	-117.5825551	74	0
Source: HNTB, 2022.				

Background Concentrations

Because the dispersion modeling addresses emissions from project-related sources only, background concentrations were added to the results to account for air emission sources not included in the dispersion modeling.

The SCAQMD maintains a network of monitoring stations within the Air Basin that monitor air quality and compliance with applicable ambient standards. The nearest air monitoring station which measures CO, NO_2, and PM_{10} is located at 1350 San Bernardino Road in Upland (Northwest San Bernardino Valley, Station

5175), four miles to the north of the project site. The nearest air monitoring station which measures SO_2 and $PM_{2.5}$ is located at 14360 Arrow Boulevard in Fontana (Central San Bernardino Valley 1, Station # 5197), seven miles to the northeast of the project site.

As shown in **Table A-10**, the background concentrations were derived from air monitoring data collected in 2018, 2019, and 2020 as the maximum values within the last three years.

Table A-10
Background Concentrations

Pollutant	2018	2019	2020
Nitrogen Dioxide (NO_2)			
Highest 1-Hour Average (ppm)[b]	0.063	0.076	0.066
Highest 98th% 1-Hour Average (ppm)[b]	0.056	0.058	0.058
Annual Average (μg/m³)	0.018	0.017	0.019
Carbon Monoxide (CO)			
Highest 1-Hour Average (ppm)	1.9	2.7	1.5
Highest 8-Hour Average (ppm)	1.2	1.1	1.1
Sulfur Dioxide (SO_2)			
Highest 1-Hour Average (ppb)	2.9	2.4	2.5
Highest 99th% 1-Hour Average (ppb)	2.5	1.9	1.7
Source: Analysis of USEPA ambient monitoring data (*AIRData – Monitor Values Reports*, http://www.epa.gov/air/data/index.html), 2021.			

To account for the variance in background NO_2 concentrations over time, seasonal/temporal background concentrations for NO_2 from the Northwest San Bernardino Valley monitoring station from 2018 through 2020 were derived following USEPA guidance.[25] As shown in **Table A-11**, the estimated NO_2 1-hour background concentrations vary by season and by time of day with a tendency for higher concentrations during fall and winter and nighttime periods. These seasonal/temporal NO_2 background concentrations were used for the 1-Hour NO_2 dispersion analysis. Notably, SCAQMD defines seasons as calendar quarters; Winter is January through March, Spring is defined as April through June, Summer is defined as July through September, and Fall is defined as October through December.[26] **Figure A-9** displays the hourly 1-hour NO_2 background concentrations by season for CAAQS.

25 Additional Clarification Regarding Application of Appendix W Modeling Guidance for the one-hour NO_2 National Ambient Air Quality Standard, March 1, 2011 (https://www.epa.gov/sites/production/files/2015-07/documents/appwno2_2.pdf) and Clarification on the Use of AERMOD Dispersion Modeling for Demonstrating Compliance with the NO_2 National Ambient Air Quality Standard, September 30, 2014 (https://www.epa.gov/sites/default/files/2020-10/documents/no2_clarification_memo-20140930.pdf)

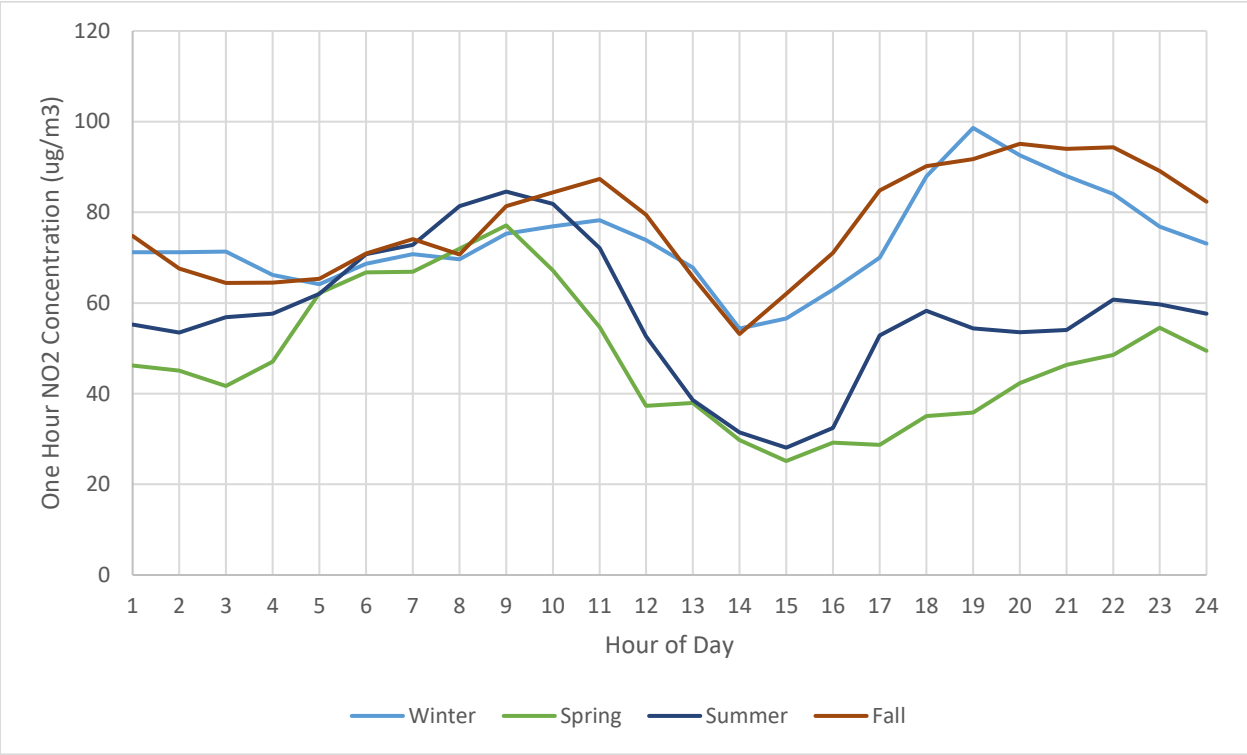
26 The AERMET meteorological processer using the following definitions for seasons: Winter is defined as December, January, and February. Springs is defined as March, April, May. Summer is defined as June, July, August. Fall is defined as September, October, and November.

Table A-11
One-Hour NO_2 Seasonal/Temporal Background Concentration (µg/m^3)

Hour	Winter	Spring	Summer	Fall
1	71.2	46.2	55.2	74.8
2	71.2	45.1	53.5	67.6
3	71.3	41.7	56.9	64.4
4	66.2	47.1	57.7	64.5
5	64.1	62.1	62.0	65.3
6	68.6	66.8	70.8	70.9
7	70.8	66.9	72.8	74.1
8	69.6	72.0	81.4	70.7
9	75.3	77.1	84.6	81.4
10	76.9	67.1	81.9	84.4
11	78.2	54.7	72.1	87.3
12	73.8	37.3	52.6	79.4
13	67.8	37.9	38.6	65.8
14	54.4	29.8	31.5	53.2
15	56.6	25.1	28.1	62.0
16	62.9	29.2	32.5	71.0
17	70.0	28.7	52.8	84.8
18	88.0	35.0	58.3	90.2
19	98.6	35.8	54.4	91.7
20	92.6	42.3	53.5	95.1
21	88.0	46.3	54.0	94.0
22	84.1	48.5	60.7	94.3
23	76.9	54.5	59.7	89.1
24	73.1	49.5	57.6	82.3

Source: Analysis of USEPA ambient monitoring data (*AIRData – Monitor Values Reports*, http://www.epa.gov/air/data/index.html), 2021.

Figure A-9
One-Hour NO_2 Seasonal/Temporal Background Concentration ($\mu g/m^3$)



Airfield Capacity and Operating Configurations

In AEDT, the capacity of the airfield, which can affect emissions via ground travel delay, is defined as the highest number of hourly departures, which can occur during the peak hour of arrivals and the highest number of hourly arrivals, which can occur during the peak hour of departures.

Operating configurations specify the pattern of aircraft arrivals and departures on specific runways over the course of a year, depending on weather conditions and airfield capacity. Specifying configurations allows for aircraft to be assigned to runways based on aircraft size (i.e., small, large, and heavy), a similar method to that employed in an actual airport operating environment. For the air quality analysis, the day/evening and night configurations were included to account for airport operating conditions representing non-contra flow and contra flow to model real-world conditions. Day is defined as between the hours of 7 a.m. and 7 p.m., evening is defined as between the hours of 7 p.m. and 10 p.m., and night is defined as between the hours of 10 p.m. and 7 a.m.

This information is used to distribute aircraft arrival and departure operations to each runway end. As required by AEDT, the runway usage by aircraft size (small, large, and heavy), flow (non-contra and contra) and time of day (day/evening and night) were used for the air quality analysis. The day/evening and night flow runway use data for arrivals and departures, used in the air quality

analysis is provided in **Tables A-12 and A-13** for the Baseline Condition, **Table A-14 and A-15** for the Phase 1 Without Project, **Table A-16 and A-17** for the Phase 1 With Project, **Table A-18 and A-19** for the Phase 2 Without Project, and **Table A-20 and A-21** for the Phase 2 With Project.

Table A-12
Runway Use for Baseline Condition for Day/Evening

	Arrival					Departure			
Aircraft Size	**08L**	**08R**	**26L**	**26R**		**08L**	**08R**	**26L**	**26R**
All Aircraft	4.13%	1.74%	44.46%	49.66%		3.10%	3.12%	37.67%	56.12%
Small	1.95%	3.92%	76.77%	17.37%		1.21%	4.21%	69.44%	25.14%
Large	4.54%	0.98%	22.45%	72.03%		4.11%	1.69%	19.09%	75.10%
Heavy	5.54%	1.23%	63.35%	29.88%		2.42%	6.04%	53.31%	38.22%
Source: RCH Group and HNTB, 2022									

Table A-13
Runway Use for Baseline Condition for Night

	Arrival					Departure			
Aircraft Size	**08L**	**08R**	**26L**	**26R**		**08L**	**08R**	**26L**	**26R**
All Aircraft	5.73%	0.97%	46.33%	46.96%		23.50%	35.31%	15.56%	25.63%
Small	1.74%	8.03%	74.35%	15.87%		1.20%	14.40%	68.03%	16.37%
Large	6.01%	0.45%	23.55%	69.99%		31.08%	11.96%	10.05%	46.91%
Heavy	5.82%	0.83%	66.69%	26.65%		21.51%	61.67%	8.84%	7.99%
Source: RCH Group and HNTB, 2022									

Table A-14
Runway Use for Phase 1 Without Project for Day/Evening

	Arrival					Departure			
Aircraft Size	**08L**	**08R**	**26L**	**26R**		**08L**	**08R**	**26L**	**26R**
All Aircraft	4.57%	1.81%	44.41%	49.22%		3.73%	3.07%	35.94%	57.27%
Small	2.29%	4.01%	75.19%	18.51%		1.13%	4.58%	67.85%	26.44%
Large	5.13%	0.94%	22.40%	71.52%		4.92%	1.43%	16.25%	77.40%
Heavy	5.88%	1.33%	62.04%	30.75%		3.66%	6.00%	52.07%	38.27%
Source: RCH Group and HNTB, 2022									

Table A-15
Runway Use for Phase 1 Without Project for Night

	Arrival					Departure			
Aircraft Size	**08L**	**08R**	**26L**	**26R**		**08L**	**08R**	**26L**	**26R**
All Aircraft	6.60%	1.12%	48.11%	44.17%		33.62%	37.97%	13.77%	14.64%
Small	2.81%	9.10%	69.98%	18.11%		1.48%	18.88%	62.34%	17.30%
Large	8.01%	0.52%	25.81%	65.66%		56.05%	14.47%	6.24%	23.25%
Heavy	5.62%	0.88%	67.61%	25.89%		22.13%	62.25%	8.87%	6.75%
Source: RCH Group and HNTB, 2022									

Table A-16
Runway Use for Phase 1 With Project for Day/Evening

	Arrival					Departure			
Aircraft Size	**08L**	**08R**	**26L**	**26R**		**08L**	**08R**	**26L**	**26R**
All Aircraft	4.37%	1.98%	46.64%	47.01%		3.44%	3.28%	40.41%	52.88%
Small	2.29%	4.01%	75.19%	18.51%		1.13%	4.58%	67.85%	26.44%
Large	5.01%	1.06%	24.18%	69.76%		4.79%	1.54%	18.29%	75.37%
Heavy	5.09%	1.93%	66.36%	26.63%		2.67%	5.94%	63.50%	27.89%
Source: RCH Group and HNTB, 2022									

Table A-17
Runway Use for Phase 1 With Project for Night

	Arrival					Departure			
Aircraft Size	**08L**	**08R**	**26L**	**26R**		**08L**	**08R**	**26L**	**26R**
All Aircraft	5.01%	0.85%	60.65%	33.50%		29.31%	45.91%	12.01%	12.77%
Small	2.81%	9.10%	69.98%	18.11%		1.48%	18.88%	62.34%	17.30%
Large	7.19%	0.47%	33.35%	58.99%		51.41%	21.55%	5.72%	21.32%
Heavy	3.62%	0.56%	79.13%	16.68%		18.01%	69.27%	7.22%	5.50%
Source: RCH Group and HNTB, 2022									

Table A-18
Runway Use for Phase 2 Without Project for Day/Evening

	Arrival					Departure			
Aircraft Size	**08L**	**08R**	**26L**	**26R**		**08L**	**08R**	**26L**	**26R**
All Aircraft	4.35%	1.79%	45.73%	48.13%		3.56%	3.03%	34.99%	58.42%
Small	2.33%	4.06%	75.04%	18.57%		1.12%	4.62%	67.96%	26.30%
Large	4.73%	0.94%	25.44%	68.90%		4.55%	1.39%	15.35%	78.71%
Heavy	5.68%	1.34%	62.30%	30.68%		3.73%	5.99%	52.04%	38.25%
Source: RCH Group and HNTB, 2022									

Table A-19
Runway Use for Phase 2 Without Project for Night

	Arrival					Departure			
Aircraft Size	**08L**	**08R**	**26L**	**26R**		**08L**	**08R**	**26L**	**26R**
All Aircraft	6.35%	1.11%	48.65%	43.89%		33.50%	38.70%	13.93%	13.87%
Small	3.08%	9.65%	70.21%	17.05%		1.48%	18.77%	62.83%	16.93%
Large	7.48%	0.49%	26.06%	65.97%		57.97%	14.55%	6.21%	21.28%
Heavy	5.60%	0.88%	67.66%	25.86%		21.23%	62.40%	9.09%	7.29%
Source: RCH Group and HNTB, 2022									

Table A-20
Runway Use for Phase 2 With Project for Day/Evening

	Arrival					Departure			
Aircraft Size	**08L**	**08R**	**26L**	**26R**		**08L**	**08R**	**26L**	**26R**
All Aircraft	3.91%	2.19%	50.58%	43.31%		3.09%	3.40%	42.85%	50.66%
Small	2.33%	4.06%	75.04%	18.57%		1.12%	4.62%	67.96%	26.30%
Large	4.52%	1.15%	28.48%	65.85%		4.34%	1.59%	19.02%	75.05%
Heavy	4.07%	2.60%	71.30%	22.02%		2.22%	5.91%	69.05%	22.82%
Source: RCH Group and HNTB, 2022									

Table A-21
Runway Use for Phase 2 With Project for Night

	Arrival					Departure			
Aircraft Size	**08L**	**08R**	**26L**	**26R**		**08L**	**08R**	**26L**	**26R**
All Aircraft	4.89%	0.86%	60.42%	33.83%		29.46%	46.09%	12.25%	12.20%
Small	3.08%	9.65%	70.21%	17.05%		1.48%	18.77%	62.83%	16.93%
Large	6.75%	0.45%	33.26%	59.55%		53.33%	21.38%	5.71%	19.58%
Heavy	3.73%	0.58%	78.47%	17.21%		17.58%	68.86%	7.52%	6.04%
Source: RCH Group and HNTB, 2022									

Gate Assignments, Taxiways, and Taxipaths

Within AEDT, each aircraft is assigned a terminal/apron location (i.e., Terminal 1, 2, or 4 as well as FedEx, UPS, or SACC) to which the aircraft proceeds after landing and where servicing (e.g., baggage handling, fueling, catering, etc.) is conducted. The aircraft then departs from the same terminal/apron for a takeoff runway end. For the air quality analysis, the taxiway assignments were based on the common and forecast routing paths that ground traffic controllers are known to assign and airfield simulation modeling. The series of assigned taxiways is called the taxipath. The aircraft speed for most taxiways was set at 15 knots, some of the acute angle taxiways allow for a higher taxi speed (45 knots). In addition, the speed for the apron taxi lanes (within the non-movement area boundary) was set at 5 knots.

Construction Activities

The construction emissions inventories and dispersion modeling were evaluated using the following regulatory model:

- California Air Pollution Officers Association (CAPCOA) CalEEMod (California Emissions Estimator Model Version 2020.4.0)[27] land use emissions model estimates emissions due to demolition and construction activities and operations for land use development.

- California Air Resources Board's (CARB) EMFAC[28] emissions inventory model. EMFAC is the latest emission inventory model that calculates emission inventories and emission rates for motor vehicles operating on roads in California. This model reflects CARB's current understanding of how vehicles travel and how much they emit. EMFAC can be used to show how California motor vehicle emissions have changed over time and are projected to change in the future.

- CARB OFFROAD[29] emissions inventory model. OFFROAD is the latest emission inventory model that calculates emission inventories and emission rates for off-road equipment such as loaders, excavators, and off-road haul trucks operating in California. This model reflects CARB's current understanding of how equipment operates and how much they emit. OFFROAD can be used to show how California off-road equipment emissions have changed over time and are projected to change in the future.

27 California Air Pollution Officers Association, *California Emissions Estimator Model User's Guide*, May 2021, http://www.aqmd.gov/docs/default-source/caleemod/user-guide-2021/01_user-39-s-guide2020-4-0.pdf?sfvrsn=6

28 California Air Resources Board, EMFAC2021 User's Guide, January 15, 2021, https://ww2.arb.ca.gov/sites/default/files/2021-01/EMFAC202x_Users_Guide_01112021_final.pdf

29 California Air Resources Board, OFFROAD Instructions, http://www.arb.ca.gov/msprog/ordiesel/info_1085/oei_write_up.pdf

Construction equipment activities were treated as an area source. The release height of the off-road equipment exhaust was 5.0 meters (16.4 feet) and an initial vertical dimension of 1.4 meters 4.6 feet), which reflects the height of the equipment plus an additional height of the exhaust plume above the exhaust point to account for plume rise due to buoyancy and momentum. Fugitive dust-generating activities were treated as an area source. The release height of the fugitive dust was 0.0 meters (0.0 feet) and an initial vertical dimension of 1.0 meter (3.3 feet). Haul trucks were treated as a line source (i.e., volume sources placed at regular intervals) located along an access road. The haul trucks were assigned a release height of 5.0 meters (16.4 feet) and an initial vertical dimension of 1.4 meters (4.6 feet), which accounts for dispersion from the movement of vehicles.[30] [31] The on-site asphalt/concrete recycling operations were treated as a circular area source with a release height of 12 meters (39.4 feet) and a radius of 100 meters (330 feet). Typically, construction activities would occur between 5 a.m. and 3 p.m. (ten hours per day), on Monday through Friday.

An on-site asphalt/concrete recycling operation would be expected to be located on the south side of East Avion Street on a partially paved and flat parcel that is, flanked by East Mission Boulevard (and railroad tracks) to the south, and industrial abandoned (industrial) uses on either side (which is within the project site). The recycling operations would reduce the total vehicle miles traveled needed for asphalt/concrete delivery trucks but would require delivery of some raw materials (i.e., asphalt, Portland cement, and aggregate) to mix the materials on-site. The construction emissions inventory includes an analysis of fugitive dust emissions associated with asphalt/concrete recycling operation (i.e., cold milling machine for asphalt and crushing processing equipment for concrete) as well as the exhaust emissions associated with the equipment engines (approximately 170 horsepower) and haul trucks (approximately 20 miles per trip). The asphalt/concrete recycling operation would contain various crusher, conveyors, and screens. These emissions were summed with the construction emissions developed in CalEEMod to represent the total construction emissions for the Proposed Project.

During Phases 1 and 2, the on-site asphalt/concrete recycling operation would have a capacity rating of 650 tons per hour (325 cubic yards per hour) with asphalt recycling at 200 cubic yards per hour and concrete recycling at 125 cubic yards per hour.

30 While haul truck emissions contribute substantially to overall project emissions, they are spread over many miles. Hence, the portion of trucking emissions that would impact one receptor is much smaller than the emissions that the clustered off-road activity at the project site would impact a receptor near the site. For example, the DPM emissions from truck travel within 1,000 feet of the project are less than 1 percent of the total off-road DPM emissions.

31 South Coast Air Quality Management District, Final Localized Significance Threshold Methodology. July 2008, http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2

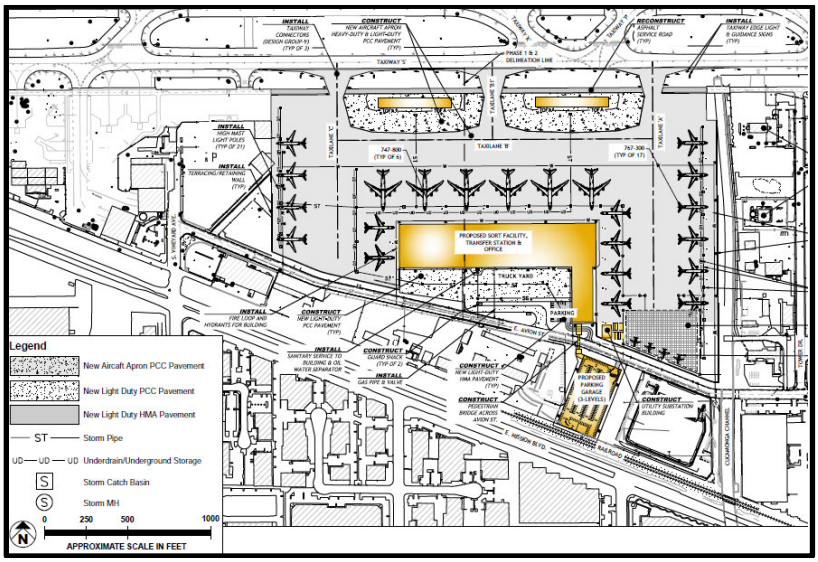
During Phase 1, demolition would involve removal of approximately 2,047,320 square feet of asphalt/concrete, a portion of which would be recycled within the project site and not require offsite haul truck trips (i.e., avoiding up to 2,616 haul truck trips).[32] During Phase 1, the on-site asphalt/concrete recycling operation would be expected to operate for eight hours per day and a total of 23 days.

During Phase 2, demolition would involve removal of approximately 1,045,440 square feet of asphalt/concrete, a portion of which would be recycled within the project site and not require offsite haul truck trips (i.e., avoiding up to 910 haul truck trips).[33] During Phase 2, the on-site asphalt/concrete recycling operation would be expected to operate for eight hours per day and a total of eight days.

[32] Assuming asphalt depth of four inches and concrete depth of eight inches; resulting in 30,510 cubic yards and based on eight cubic yards of haul truck capacity per CalEEMod.

[33] Assuming asphalt depth of four inches and concrete depth of eight inches; resulting in 12,800 cubic yards and based on eight cubic yards of haul truck capacity per CalEEMod.

Ontario International Airport
Proposed South Airport Cargo Center Project
Environmental Impact Report
Air Quality Modeling Protocol



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TABLE OF CONTENTS

		Page
1.0	Introduction	1
2.0	Project Overview	1
3.0	Regulatory Background	3
4.0	Air Quality Assessment Methodology	6
5.0	Dispersion Modeling	11
6.0	Health Risk Assessment	20
7.0	Greenhouse Gas Emissions	22

LIST OF TABLES

No.	Title	Page
1	California and National Criteria Air Pollutant Standards, Effects, and Sources	4
2	Mass Daily Emission Thresholds	5
3	Ambient Air Quality Significance Thresholds for Criteria Pollutants	6
4	One-Hour NO_2 Seasonal / Temporal Background Concentrations	13
5	Aircraft Operational Profiles	17

LIST OF FIGURES

No.	Title	Page
1	Site Plan	2
2	Windrose for 2012 through 2016	14
3	Air Dispersion Modeling Boundary Receptors	16

1. INTRODUCTION

The Ontario International Airport Authority (OIAA) is preparing an Environmental Impact Report (EIR) for the Proposed South Airport Cargo Center Project (proposed project) at Ontario International Airport (Ontario or Airport). In accordance with the California Environmental Quality Act (CEQA), the EIR will address the potential impacts to environmental factors associated with the proposed project, including potential impacts to air quality.

This *Air Quality Modeling Protocol* provides an overview of the technical approach for conducting the air quality analysis in support of the EIR. Notably, the information provided in this protocol is a synopsis of the technical approach to the air quality analysis, which will be expanded upon in the EIR and supporting documentation.

The focus of the air quality analysis will be the air pollutants for which there are ambient air quality standards and for which there are reasonable methods of deriving predicted concentrations of these pollutants. These air pollutants are carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter less than 10 micrometers (coarse particulate or PM_{10}), particulate matter less than 2.5 micrometers (fine particulate or $PM_{2.5}$), and lead (Pb).

Impact Analysis Overview

To evaluate the potential impacts of the change in conditions at Ontario that would result from the project, the following conditions will be analyzed:

- No Project
- With Project

Three timeframes will be evaluated:

- Baseline Condition (2021)[1]
- Phase 1 (2025)
- Phase 2 (2029)

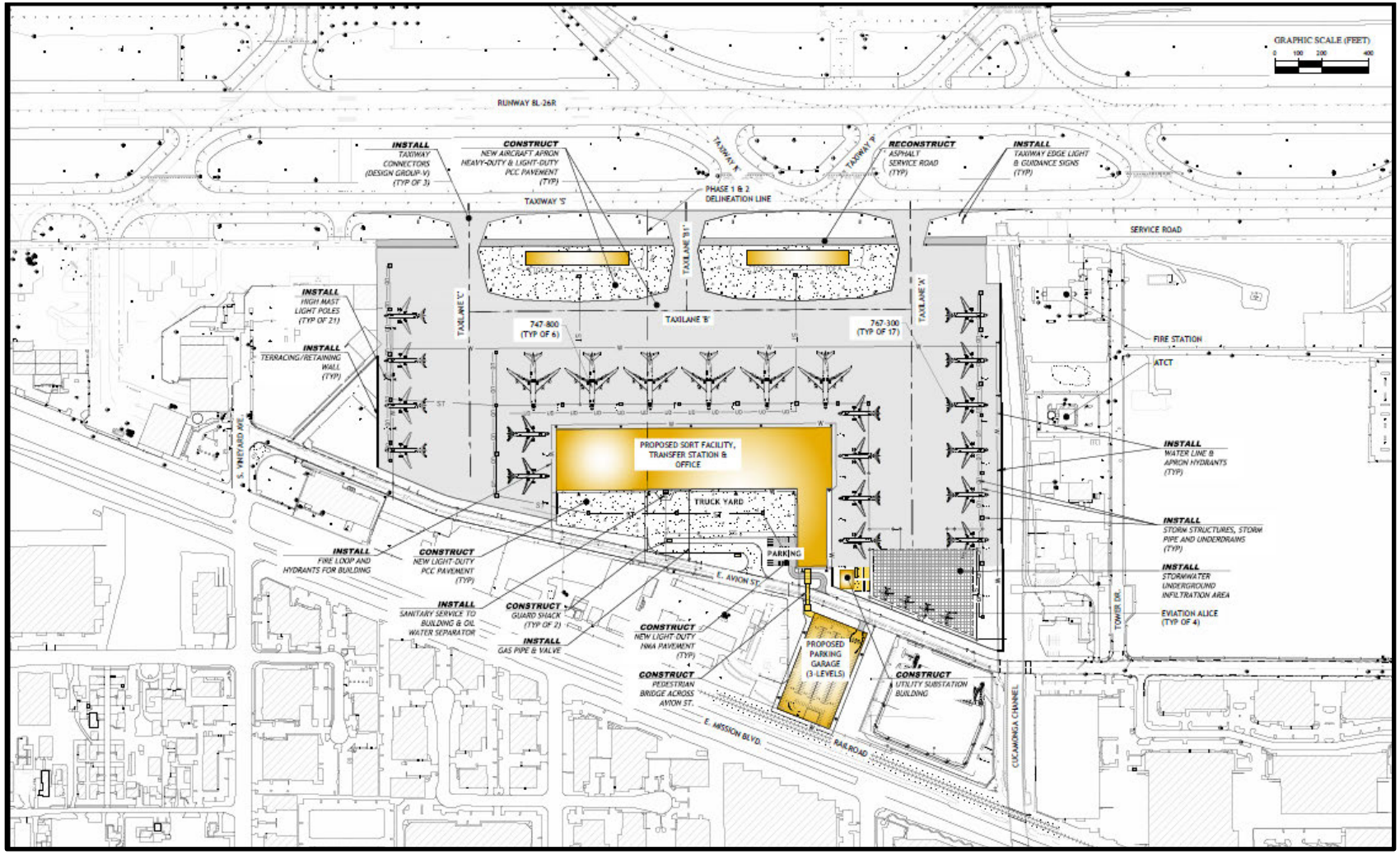
When appropriate, the concurrent construction plus operational impacts will be addressed.

2. PROJECT OVERVIEW

The project site consists of approximately 97 acres located at Ontario International Airport in the City of Ontario, San Bernardino County. The proposed project would replace existing, underutilized airport related buildings and site improvements with an air cargo center. The proposed air cargo center includes a Cargo Sorting Building, truckyard, parking facilities, aircraft parking apron improvements, ground service equipment parking, and aviation support facilities, as shown in **Figure 1**.

[1] The Baseline Condition accounts for aviation activity levels that are historically representative of operations at the Airport and, as such, has been "normalized" to eliminate short-term depressions in activity levels attributable to the COVID-19 pandemic.

Figure 1
Site Plan



Source: CHA, February 2022

The project would include a 857,000-square-foot Cargo Sorting Building and office spaces. A 210,000 square-foot truckyard would be located between the Cargo Sorting Building and East Avion Street and service 224 truck trips per day and 2,520 employee trips per day at Phase 2. The project would include 933 automobile parking stalls, including 900 employee stalls in a parking garage.

The project would introduce new flights to the Airport. At its opening in 2025, the Proposed Project would operate 44 daily flights (22 arrivals and 22 departures) at the Airport (with an annual average of 38 flights per day). These flights would arrive and depart throughout the day, every day of the week. By 2029, 22 daily flights (11 arrivals and 11 departures) would be added (with an annual average of 18 flights per day). At the buildout of Phase 2, the Proposed Project would operate 66 daily flights (33 arrivals and 33 departures) (with an annual average of 56 flights per day).

Construction of Phase 1 is projected to start in March of 2023 and be completed in December of 2024. Construction of Phase 2 is estimated to begin in September of 2025 (demolition), December of 2026 (site preparation), and August of 2027 (building construction), with completion in August of 2028, and would become operational in January of 2029. Typically, construction activities would occur between 5 a.m. and 3 p.m. (ten hours per day), on Monday through Friday.

3. REGULATORY BACKGROUND

This section describes existing air quality conditions in the South Coast Air Basin and identifies the regulatory criteria that will be applied to the results of the air quality analysis.

Attainment / Nonattainment Designations

The South Coast Air Basin is in nonattainment status for the State ozone, PM_{10}, and $PM_{2.5}$; and is in attainment status for CO, NO_2, and SO_2.[2] [3] The South Coast Air Basin is in nonattainment status for the federal ozone, lead (Pb), and $PM_{2.5}$; and in attainment for the federal CO, NO_2, SO_2, and PM_{10}.[4]

Regulatory Standards and Criteria for Air Quality

The regulatory standards and criteria that are relevant to the air quality analysis are discussed in the following sections of this protocol.

Federal and State Standards

Ambient air quality standards are classified as either "primary" or "secondary" standards. Primary standards define levels of air quality, including an adequate margin of safety, necessary

[2] California Air Resources Board, Area Designations Maps/State and National, http://www.arb.ca.gov/desig/adm/adm.htm

[3] South Coast Air Quality Management District, NAAQS and CAAQS Attainment Status for the South Coast Air Basin, February 2016, http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf

[4] United States Environmental Protection Agency, The Green Book Nonattainment Areas for Criteria Pollutants, https://www.epa.gov/green-book

to protect the public health. Secondary ambient air quality standards define levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant. California and National Ambient Air Quality Standards (CAAQS and NAAQS) are shown in **Table 1**.

Applicable SCAQMD Regulatory Actions and Requirements

On March 3, 2017, the SCAQMD adopted the 2016 Air Quality Management Plan (AQMP) which includes strategies and measures needed to meet the NAAQS. The AQMP demonstrates attainment of the ozone NAAQS as well as the latest $PM_{2.5}$ standards.[5] Potentially relevant SCAQMD rules and regulations include (but not limited to):

- Rules 201 and 203 (Permits to Construct and Operate)
- Rule 402 (Nuisance)
- Rule 403 (Fugitive Dust)
- Rule 1113 (Architectural Coatings)
- Rule 2202 (Employee Commute Reduction Program Guidelines)
- Rule 2305 (Warehouse Indirect Source Rule)

[5] South Coast Air Quality Management District, 2016 Air Quality Management Plan, March 1, 2017, http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan.

Table 1
California and National Criteria Air Pollutant Standards, Effects, and Sources

Pollutant	Averaging Time	State Standard	National Standard	Pollutant Health and Atmospheric Effects	Major Pollutant Sources
Ozone	1 Hour 8 Hour	0.09 ppm 0.07 ppm	– 0.070 ppm	High concentrations can directly affect lungs, causing irritation. Long–term exposure may cause damage to lung tissue.	Formed when reactive organic gases and nitrogen oxides react in the presence of sunlight. Major sources include on–road motor vehicles, solvent evaporation, and commercial / industrial mobile equipment.
Carbon Monoxide (CO)	1 Hour 8 Hour	20 ppm 9.0 ppm	35 ppm 9.0 ppm	Classified as a chemical asphyxiant, carbon monoxide interferes with the transfer of fresh oxygen to the blood and deprives sensitive tissues of oxygen.	Internal combustion engines, primarily gasoline–powered motor vehicles.
Nitrogen Dioxide (NO_2)	1 Hour Annual	0.18 ppm 0.03 ppm	0.10 ppm 0.053 ppm	Irritating to eyes and respiratory tract. Colors atmosphere reddish–brown.	Motor vehicles, petroleum–refining operations, industrial sources, aircraft, ships, and railroads.
Sulfur Dioxide (SO_2)	1 Hour 3 Hour 24 Hour Annual	0.25 ppm – 0.04 ppm –	0.075 ppm 0.5 ppm 0.14 ppm 0.030 ppm	Irritates upper respiratory tract; injurious to lung tissue. Can yellow the leaves of plants, destructive to marble, iron, and steel. Limits visibility and reduces sunlight.	Fuel combustion, chemical plants, sulfur recovery plants, and metal processing.
Respirable Particulate Matter (PM_{10})	24 Hour Annual	50 µg/m^3 20 µg/m^3	150 µg/m^3 –	May irritate eyes and respiratory tract, decreases in lung capacity, cancer and increased mortality. Produces haze and limits visibility.	Dust and fume–producing industrial and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind–raised dust and ocean sprays).
Fine Particulate Matter ($PM_{2.5}$)	24 Hour Annual	– 12 µg/m^3	35.0 µg/m^3 12.0 µg/m^3	Increases respiratory disease, lung damage, cancer, and premature death. Reduces visibility and results in surface soiling.	Fuel combustion in motor vehicles, equipment, and industrial sources; residential and agricultural burning; Also, formed from photochemical reactions of other pollutants, including nitrogen oxides, sulfur oxides, and organics.
Lead (Pb)	Month Rolling 3 Month	1.5 µg/m^3 –	– 0.15 µg/m^3	Disturbs gastrointestinal system, and causes anemia, kidney disease, and neuromuscular and neurological dysfunction.	Present sources: lead smelters, battery manufacturing & recycling facilities. Past source: combustion of leaded gasoline.

Source: California Air Resources Board, Air Quality Standards, https://ww2.arb.ca.gov/resources/background-air-quality-standards.

SCAQMD Thresholds of Significance

SCAQMD has identified thresholds to determine the significance of regional air quality emissions for construction activities and project operation, as shown in **Table 2**.

Table 2
Mass Daily Emissions Thresholds (pounds/day)

Pollutant	Construction	Operation
VOC	75	55
NOx	100	55
CO	550	550
SOx	150	150
PM10	150	150
PM2.5	55	55
Lead	3	3

Source: South Coast Air Quality Management District, SCAQMD Air Quality Significance Thresholds, April 2019, http://www.aqmd.gov/ceqa/hdbk.html

Secondly, the proposed project would result in a significant construction and/or operational air quality impact if the project emissions exceed the South Coast Air Quality Management District (SCAQMD) concentration significance thresholds set forth in **Table 3**.[6] For CO, NO_2, SO_2, and Pb[7], these significance thresholds are reflective of the CAAQS and NAAQS. Background concentrations will be based on existing air monitoring stations near the project site. The project contribution of PM_{10} and $PM_{2.5}$ will be compared to the significance thresholds without adding background concentrations.

The proposed project would also result in a significant health impact if the carcinogenic or toxic air contaminants individually or cumulatively are equal to or exceed the maximum individual cancer risk of ten in one million persons or a chronic and acute hazard index of 1.0.

[6] South Coast Air Quality Management District, SCAQMD Air Quality Significance Thresholds, April 2019, http://www.aqmd.gov/ceqa/hdbk.html

[7] Airport sources of lead emissions include the use of avgas within piston aircraft. Although Ontario does have piston aircraft operations, the proposed project does not include piston aircraft operations and thus, project impacts of lead would be expected to be minimal. Approximately three percent of the existing airport operations are piston aircraft and therefore, lead emission would be expected to be less than 0.1 tons per year, which is well below the USEPA's ambient monitoring threshold of one ton.

Table 3
Ambient Air Quality Significance Thresholds for Criteria Pollutants

Pollutant	Averaging Period	Pollutant Concentration Threshold
CO	1-hour /8-hour	SCAQMD is in attainment (federal and State); project is significant if it causes or contributes to an exceedance of the attainment standards of 20 ppm (1-hour) and 9 ppm (8-hour)
NO_2	1-hour	SCAQMD is in attainment (federal and State); project is significant if it causes or contributes to an exceedance of the following attainment standard 0.18 ppm (state)
	Annual	0.03 ppm (state) and 0.0534 ppm (federal)
PM_{10}	24-hour	10.4 µg/m^3 (construction) and 2.5 µg/m^3 (operation)
	Annual	1.0 µg/m^3 (construction and operation)
$PM_{2.5}$	24-hour	10.4 µg/m^3 (construction) and 2.5 µg/m^3 (operation)
SO_2	1-hour	0.25 ppm (State) and 0.075 ppm (federal)
	24-hour	0.04 ppm (State)
Lead	30-day Average	1.5 µg/m^3 (State)
	Rolling 3-month Average	0.15 µg/m^3 (federal)

Source: South Coast Air Quality Management District, SCAQMD Air Quality Significance Thresholds, April 2019, http://www.aqmd.gov/ceqa/hdbk.html

4. AIR QUALITY ASSESSMENT METHODOLOGY

Implementation of the proposed project would result in both short-term and long-term air quality impacts. Over the short-term, local air quality conditions could be temporarily affected due to construction activities. Over the long-term, implementation has the potential to affect air quality due to an increase in aircraft and motor vehicle operations. To evaluate the effect of these changes on local and regional air quality conditions, two types of air quality analyses will be performed - emission inventories and dispersion modeling. The emission inventories provide an indication of the change in the amount of air pollutant and pollutant precursor emissions that will be produced with the project. Dispersion modeling provides predicted concentrations of ambient pollutant levels that can be directly compared to the CAAQS and NAAQS.

The air quality analysis will evaluate the potential for air quality impacts in accordance with Federal Aviation Administration (FAA)'s *Aviation Emissions and Air Quality Handbook*,[8] the

[8] Federal Aviation Administration, *Aviation Emissions and Air Quality Handbook Version 3 Update 1, January 2015,* https://www.faa.gov/regulations_policies/policy_guidance/envir_policy/airquality_handbook/

SCAQMD *Modeling Guidance for AERMOD*,[9] the SCAQMD *Air Quality Handbook*.[10] and the United States Environmental Protection Agency (USEPA) *Guideline on Air Quality Models*.[11]

Emission and Dispersion Models

The analysis will be performed using the FAA *Aviation Environmental Design Tool* (AEDT, Version 3d)[12] and USEPA's American Meteorological Society/USEPA Regulatory Model (AERMOD, Version 21112).

AEDT is a software system that dynamically models aircraft performance to compute emissions, fuel burn, and noise and assess their interdependencies. The FAA-requires that the AEDT be used to assess the potential for airport-related air quality impacts. The AEDT will be used to prepare emissions inventories of CO, NOx, SO_2, PM_{10}, $PM_{2.5}$, Pb, and VOC.

Other models that will be used to evaluate the proposed project include the USEPA AERMOD dispersion model for air pollutant concentrations. [13, 14] AERMOD is an atmospheric dispersion model which simulates point, area, volume, and line sources and has the capability to include simple, intermediate, and complex terrains. It also predicts both short-term (1 to 24 hours) and long-term (quarterly or annual) average concentrations of air pollutants. AERMOD is commonly executed to yield one-hour, 24-hour, and annual average concentrations (in micrograms per cubic meter or $\mu g/m^3$) at designated receptors.

The emission sources that will be included in AEDT are aircraft, auxiliary power units (APU), ground support equipment (GSE), motor vehicles, and various stationary sources (e.g., standby generators).

The following models will be used to estimate construction and motor vehicle emissions:

- California Air Pollution Officers Association (CAPCOA) CalEEMod (California Emissions Estimator Model Version 2020.4.0)[15] land use emissions model estimates emissions due to demolition and construction activities and operations for land use development.

[9] South Coast Air Quality Management District, SCAQMD Modeling Guidance for AERMOD, https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance

[10] South Coast Air Quality Management District, CEQA Air Quality Handbook, http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook

[11] United States Environmental Protection Agency, Guideline on Air Quality Models (Revised), 40 Code of Federal Regulations, Part 51, Appendix W, November 2005

[12] Federal Aviation Administration, *Aviation Environmental Design Tool (AEDT) Users Guide*, https://aedt.faa.gov/. AEDT 3d was released on March 29, 2021

[13] United States Environmental Protection Agency Preferred/Recommended Models, *AERMOD Modeling System*, https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models

[14] Title 40 CFR Part 51, *Revision to the Guideline on Air Quality Models: Adoption of a Preferred General Purpose (Flat and Complex Terrain) Dispersion Model and Other Revisions; Final Rule,* http://www.epa.gov/ttn/scram/guidance/guide/appw_05.pdf

[15] California Air Pollution Officers Association, *California Emissions Estimator Model User's Guide*, May 2021, http://www.caleemod.com/ CalEEMod (Version 2020.4.0) was released in July of 2021

- CARB EMFAC[16] emissions inventory model. EMFAC is the latest emission inventory model that calculates emission inventories and emission rates for motor vehicles operating on roads in California. This model reflects CARB's current understanding of how vehicles travel and how much they emit. EMFAC can be used to show how California motor vehicle emissions have changed over time and are projected to change in the future.
- CARB OFFROAD[17] emissions inventory model. OFFROAD is the latest emission inventory model that calculates emission inventories and emission rates for off-road equipment such as loaders, excavators, and off-road haul trucks operating in California. This model reflects CARB's current understanding of how equipment operates and how much they emit. OFFROAD can be used to show how California off-road equipment emissions have changed over time and are projected to change in the future.

Emissions Inventory

In general terms, an emissions inventory is a quantification of the amount, or weight, of pollutants emitted from a source (or combination of sources) over a period of time. The outcome is a product of source activity levels (i.e., aircraft operations) combined with appropriate emission factors (i.e., grams of pollutant per operation). The results are segregated by pollutant type (i.e., CO, NO_x, SO_2, PM_{10}, $PM_{2.5}$, and VOC), emission source, and project milestone years. Emission inventory results are commonly reported in units of pounds per day and tons per year.

Using AEDT, emission inventories will be prepared for each condition. The aircraft fleet mix, annual operations, runway assignment, gate assignment, taxipath and other modeling parameters used to prepare the inventories will be consistent with the data generated by an airfield simulation model and noise analyses that are also being prepared in support of the EIR.

The emission inventories will be prepared to estimate emissions for the following project-related sources:

- Aircraft (arrivals, departures, ground taxi, and engine startup)
- Ground Support Equipment (GSE) / Auxiliary Power Units (APU
- Stationary sources
- Motor vehicles
- Construction activities

The following highlight certain assumptions and/or methodologies that will be used to prepare the emission inventories.

[16] California Air Resources Board. Mobile Source Emissions Inventory – Modeling Tools, https://ww2.arb.ca.gov/our-work/programs/mobile-source-emissions-inventory/msei-modeling-tools

[17] California Air Resources Board, *Mobile Source Emissions Inventory Documentation – Off Road Diesel Equipment*, https://ww2.arb.ca.gov/our-work/programs/mobile-source-emissions-inventory/road-documentation/msei-documentation-road and https://ww3.arb.ca.gov/msei/ordiesel/ordas_ef_fcf_2017.pdf

Aircraft

The number of annual aircraft operations and the aircraft fleet mix for the Existing and Future conditions will be used in the air quality analysis.[18] AEDT default emission factors were used to estimate aircraft emissions for all aircraft. The factors are provided by aircraft engine type and operational mode (i.e., take-off, climbout, approach, and taxi/idle).[19] Aircraft emissions are described within several operational modes: engine startup, taxi in and taxi out, climb (aboveground within takeoff and climb-out), and descend (aboveground within approach and landing). AEDT default times will be used for each mode except for ground movements. Times in mode for taxi-in (for arrivals) and taxi-out (for departures) will be based on airfield simulation modeling. The proposed project anticipates some operation of electric cargo aircraft.

Ground Support Equipment (GSE) / Auxiliary Power Units (APU)

GSE is a term used to describe the equipment and vehicles that service aircraft after arrival and before departure at an airport.[20] Emissions from these sources are based on the number and type of equipment used to service each aircraft along with the amount of time the equipment is in use per aircraft LTO and the fuel type. The proposed project would include the use and operation of electric-powered equipment, including forklifts, loaders, tugs, ground power units, and ramp support (vans/carts) that would be stored and charged in designated areas in the cargo building and aircraft apron.[21]

APU are small turbine engines used by commercial jet aircraft to start the main engines; provide electrical power to aircraft radios, lights, and other equipment; and to power the onboard air conditioning (heating and cooling) system. When an aircraft arrives at a terminal gate, the pilot has the option of shutting off power to the main jet engines and operating the onboard APU, which is fueled by the aircraft's jet fuel. Alternately, an aircraft can receive electrical power and pre-conditioned air (PCA) from a mobile GPU and air conditioning equipment or receive electrical power (400 Hertz (Hz) and PCA from connections at the gate. Where available, gate power connections are built into the passenger loading bridge used to connect the terminal building to the aircraft for loading and unloading passengers.

[18] Aircraft operations which are not directly part of the proposed project are included in the analysis because the project aircraft results in changes in taxi movements and speeds for all airport aircraft (passenger and other cargo operations).

[19] For the purposes of the emissions inventories, a landing and take-off cycle is comprised of the following AEDT operational mode categories:

- *Descend Below Mixing Height*: The modes in this category are associated with an aircraft's arrival, beginning at the atmospheric mixing height and including descend emissions below 1,000 feet, the landing ground roll, and arrival taxi (i.e., taxi-in) emissions.
- *Climb Below Mixing Height:* The modes in this category are associated with an aircraft's departure, beginning with startup and including climb taxi (i.e., taxi-out), takeoff ground roll, climb below 1,000 feet and climb to the atmospheric mixing height.

[20] APU/GSE associated with passenger, FedEx and UPS aircraft and other similar activities are not affected by the proposed project and therefore, will not be included in the analysis.

[21] Diesel-powered fuel trucks would be used during Phase 1 and replaced with electric hydrant carts within Phase 2.

Use of a GPU or gate connections eliminates the need for aircraft to use their own power at the gate except for short periods of time during engine start-up and shut-down. Terminal gates without PCA/ground power typically assume an APU operating time of 26 minutes (13 minutes during taxi in and 13 minutes during taxi out). Terminal gates with PCA/ground power typically assume an APU operating time of seven minutes (3.5 minutes during taxi in and 3.5 minutes during taxi out).[22] All of the passenger terminal gates at Ontario provide PCA and power to aircraft. Therefore, APU operating times will be assumed to be seven minutes at all passenger terminal gates. Operations involving non-project cargo or general aviation aircraft will be assumed to require an APU operating time of 26 minutes, where applicable. The proposed project would provide gate power which would reduce APU operating times.

Ground Access Vehicles

Project-related ground access vehicles include employee-owned vehicles and delivery trucks.[23] Emissions factors for this airport source will be obtained from the EMFAC model. For the proposed project, electric charging stations would be provided in the employee and visitor parking lots, and truckyard. The motor vehicle fleet mix and fuel type would be based on information within EMFAC.

Stationary Sources

The proposed project includes several emergency generators.[24] The proposed project would include a 1.5-Megawatt Solar PV Panel system on the rooftop of the Cargo Sorting Building and the option to construct an additional 0.75-Megawatt rooftop system on the parking garage.

Construction

The proposed project would generate additional pollutant emissions as a result of construction activities. An emissions inventory for the proposed project construction period will be prepared. Project construction has the potential to generate air contaminants through the demolition, excavation, and grading of the proposed project site, the use of heavy-duty construction equipment, and through vehicle trips generated by construction workers, as well as construction haul trips traveling to the proposed project site.

The emissions inventory will include CO, NO_x, SO_2, PM_{10}, $PM_{2.5}$, and VOC (as ROG) for each year of construction. The air emission inventory for construction activities will be conducted using CalEEMod, CARB's OFFROAD (nonroad equipment), and EMFAC (motor vehicles) emission models and will incorporate CARB and SCAQMD guidelines of fugitive dust and entrained roadway dust; based on the equipment schedule, number of pieces of equipment, the types and sizes of equipment, estimation of disturbed area, and the construction duration. If applicable,

[22] Federal Aviation Administration, *Aviation Emissions and Air Quality Handbook Version 3 Update 1, January 2015,* https://www.faa.gov/regulations_policies/policy_guidance/envir_policy/airquality_handbook/

[23] Airport passenger associated motor vehicles, terminal deliveries, FedEx and UPS delivery trucks, and other similar activities are not affected by the proposed project and therefore, will not be included in the analysis.

[24] Passenger terminal (as well as FedEx and UPS) boilers, generators, and other stationary sources are not affected by the proposed project and therefore, will not be included in the analysis.

information associated with onsite processing plants such as concrete batch plant would be included.

5. DISPERSION MODELING

Atmospheric dispersion modeling will be conducted to predict the effects of the proposed project on local air quality conditions. The dispersion modeling analysis will be completed in accordance with the FAA's *Aviation Emissions and Air Quality Handbook*[25] and USEPA's *Guideline on Air Quality Models*.[26]

A dispersion analysis will be performed to predict ambient (i.e., outdoor) pollutant concentrations of CO, NO_2, SO_2, PM_{10}, $PM_{2.5}$, and Pb both on and off the airport (i.e., public access) for each alternative. The results of the dispersion analysis will be used to indicate whether airport-related emissions would cause or contribute to violations of the CAAQS and NAAQS for these pollutants. The analysis will be performed using USEPA's AERMOD dispersion model for the following pollutants and averaging times:

- CO – 1-hour and 8-hour
- NO_2 – 1-hour and annual
- SO_2 – 1-hour and 24-hour
- PM_{10} – 24-hour and annual
- $PM_{2.5}$ – 24-hour
- Pb – 30-day average and three-month rolling average

All standard approaches to the dispersion modeling will be used except where project-specific conditions and inputs are more appropriate and allowable under SCAQMD and USEPA guidance. Because O_3 is a regional pollutant and emissions and concentrations of O_3 cannot be computed directly using AEDT, AERMOD, or other conventional models[27], VOC and NO_x (the primary precursors to O_3 formation) will be used as surrogates for this pollutant. Specifically, the results of the emissions inventories for VOC and NO_x will be compared to the appropriate emission thresholds.

American Meteorological Society/USEPA Regulatory Model (AERMOD) Options

AERMOD will be executed using the regulatory default options (e.g., stack-tip downwash, elevated terrain effects, calm wind speeds processing routine, missing data processing routine, buoyancy-induced dispersion, and final plume rise), default wind speed profile categories, default potential temperature gradients, and, with the exception of the NO_x to NO_2 analysis, no

[25] Federal Aviation Administration, *Aviation Emissions and Air Quality Handbook Version 3 Update 1, January 2015,* https://www.faa.gov/regulations_policies/policy_guidance/envir_policy/airquality_handbook/

[26] United States Environmental Protection Agency, 40 CFR Part 51 Revision to the Guideline on Air Quality Models: Adoption of a Preferred General Purpose (Flat and Complex Terrain) Dispersion Model and Other Revisions; Final Rule, November 9, 2005, https://www3.epa.gov/scram001/guidance/guide/appw_05.pdf

[27] The complexity of O_3 formation and the health implications of O_3 warrant evaluation on a regional basis using a regional model and cannot be meaningfully addressed on a project-specific level.

pollutant decay. AERMOD is the appropriate model for this analysis based on the model's coverage of simple (i.e., flat), intermediate, and complex (i.e., above emission-source elevation) terrain. For this evaluation, the terrain will be assumed to be flat.

When executing AERMOD, the selection of appropriate dispersion coefficients depends on the land use within three kilometers (km) of a source. This land-use typing is based on a classification method defined by Auer,[28] using pertinent U.S. Geological Survey (USGS) 1:24,000 scale (7.5 minute) topographic maps of the area. If the Auer land use types of heavy industrial, light-to-moderate industrial, commercial, and compact residential account for 50 percent or more of the total area, the USEPA Guideline on Air Quality Models[29] recommends using urban dispersion coefficients; otherwise, using the appropriate rural coefficients is advised. Ontario International Airport in an urban area, therefore, urban dispersion coefficients will be used for this analysis. For this project, all emissions sources were modeled with urban effects using the population of 2,035,210 for San Bernardino County.[30]

Background Concentrations

Because the dispersion modeling will address emissions from project-related sources only, background concentrations will be added to the results to account for air emission sources not included in the dispersion modeling.

The SCAQMD maintains a network of monitoring stations within the Air Basin that monitor air quality and compliance with applicable ambient standards. The nearest air monitoring station which measures CO, NO_2, and PM_{10} is located at 1350 San Bernardino Road in Upland (Northwest San Bernardino Valley, Station # 5175), four miles to the north of the project site. The nearest air monitoring station which measures SO_2 and $PM_{2.5}$ is located at 14360 Arrow Boulevard in Fontana (Central San Bernardino Valley 1, Station # 5197), seven miles to the northeast of the project site. These background concentrations will be derived from existing air monitoring data collected in 2018, 2019, and 2020 as the maximum values within the last three years.

To account for the variance in background NO_2 concentrations over time, seasonal/temporal background concentrations for NO_2 from the Northwest San Bernardino Valley monitoring station from 2018 through 2020 were derived following USEPA guidance.[31] As shown in **Table 4**, the estimated NO_2 one-hour background concentrations vary by season and by time of day with a tendency for higher concentrations during fall and winter and nighttime periods. These

[28] Auer, August H., 1978: *Correlation of Land Use and Cover with Meteorological Anomalies*. J. Appl. Meteor., 17, 636–643 http://journals.ametsoc.org/doi/pdf/10.1175/1520-0450%281978%29017%3C0636%3ACOLUAC%3E2.0.CO%3B2

[29] Appendix W to Part 51 – Guideline on Air Quality Models, http://www.ecfr.gov/cgi-bin/text-idx?SID=e6a5b817b94abf58460f48c032d9a39c&node=40:2.0.1.1.2.23.11.5.37&rgn=div9

[30] South Coast Air Quality Management District, *SCAQMD Modeling Guidance for AERMOD*, https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance

[31] Additional Clarification Regarding Application of Appendix W Modeling Guidance for the one-hour NO_2 National Ambient Air Quality Standard, March 1, 2011 (https://www.epa.gov/sites/production/files/2015-07/documents/appwno2_2.pdf) and Clarification on the Use of AERMOD Dispersion Modeling for Demonstrating Compliance with the NO_2 National Ambient Air Quality Standard, September 30, 2014 (https://www.epa.gov/sites/default/files/2020-10/documents/no2_clarification_memo-20140930.pdf)

seasonal/temporal NO_2 background concentrations will be used for the one-hour NO_2 dispersion analysis.

Table 4
One-Hour NO^2 Seasonal/Temporal Background Concentrations (µg/m^3)

Hour	Winter	Spring	Summer	Fall	Annual
1	71.2	46.2	55.2	74.8	78.0
2	71.2	45.1	53.5	67.6	71.8
3	71.3	41.7	56.9	64.4	71.3
4	66.2	47.1	57.7	64.5	69.3
5	64.1	62.1	62.0	65.3	68.1
6	68.6	66.8	70.8	70.9	73.3
7	70.8	66.9	72.8	74.1	77.4
8	69.6	72.0	81.4	70.7	81.4
9	75.3	77.1	84.6	81.4	90.3
10	76.9	67.1	81.9	84.4	85.8
11	78.2	54.7	72.1	87.3	87.3
12	73.8	37.3	52.6	79.4	82.2
13	67.8	37.9	38.6	65.8	74.8
14	54.4	29.8	31.5	53.2	57.1
15	56.6	25.1	28.1	62.0	62.3
16	62.9	29.2	32.5	71.0	71.7
17	70.0	28.7	52.8	84.8	87.3
18	88.0	35.0	58.3	90.2	98.9
19	98.6	35.8	54.4	91.7	104.6
20	92.6	42.3	53.5	95.1	101.1
21	88.0	46.3	54.0	94.0	100.2
22	84.1	48.5	60.7	94.3	95.1
23	76.9	54.5	59.7	89.1	89.1
24	73.1	49.5	57.6	82.3	82.3

Source: Analysis of USEPA ambient monitoring data (*AIRData – Monitor Values Reports*, http://www.epa.gov/air/data/index.html), 2021.

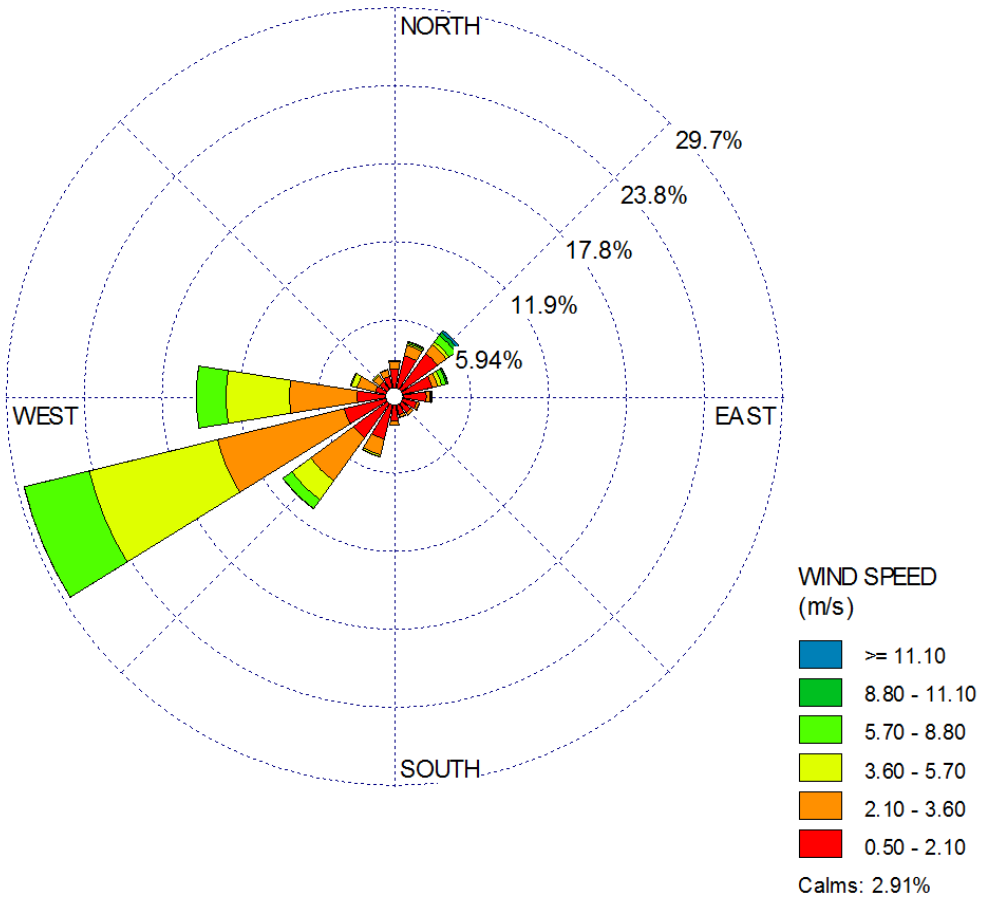
Meteorological Data

AERMOD uses both surface and upper air meteorological conditions. The dispersion modeling analysis will use hourly meteorological data collected at Ontario International Airport by the National Weather Service for a five-year period (2012 through 2016) and provided by SCAQMD.[32] **Figure 2** provides the wind rose for this time period. As shown, wind directions are predominately from the west-southwest with light or moderate wind speed condition of 6.4 miles per hour (2.9 meters per second). A value of 2,402 feet will be used for the mixing height.[33] Notably, the mixing height is used by AEDT in the calculation of air pollutant/pollutant precursor emissions inventories. The mixing height value is not specifically used within the AERMOD dispersion model.

[32] South Coast Air Quality Management District, SCAQMD Modeling Guidance for AERMOD, https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance

[33] South Coast Air Quality Management District, Draft Aircraft Emissions Inventory For South Coast Air Quality Management District, August 2016, http://www.aqmd.gov/docs/default-source/planning/fbmsm-docs/aircraft-emissions-inventory-for-the-south-coast-air-quality-management-district.pdf

Figure 2
Windrose for 2012 through 2016



Source: South Coast Air Quality Management District, 2021.

A screening analysis will be conducted to determine which year of meteorological data will result in the greatest predicted pollutant concentrations. Because it is anticipated that the predicted concentrations of NO_2 will be closest to the CAAQS and NAAQS for this pollutant, the screening analysis will be performed for the proposed project during Phase 2 for both the determination of the one-hour and annual NO_2 concentrations. The meteorological year resulting in the highest NO_2 concentrations will then be used to evaluate all other pollutants/averaging periods and alternatives.[34]

[34] The emission distribution for NOx will be similar to the emission distribution for CO, SO_2, PM_{10}, and $PM_{2.5}$ because the majority of the emissions result from aircraft and the temporal operational profiles for aircraft are the same regardless of pollutant. It is also anticipated that both the 1-hour and annual NO_2 concentration will be worst-case

Receptors

For the air quality dispersion analysis, concentrations will be predicted at a sufficient number of locations (referred to as receptors)[35] to identify maximum concentrations. Because the AEDT/AERMOD run time is significant when a large number of receptors are evaluated, a strategy will be developed to balance the number of receptors while optimizing the fidelity of the results. The following lists the types of receptors that will be evaluated:

- **Boundary receptors —** Boundary receptors will be located in areas along the Airport boundary at a spacing of approximately 10 degrees. This distribution of receptors is standard when conducting an airport air quality assessment. **Figure 3** displays the boundary receptors. Additional receptors may be assigned surrounding the location of the maximum concentration to further augment the receptor grid and in-line with the runway ends/beyond the Airport boundary at a spacing recommended within the Modeling Guidance for AERMOD.
- **Sensitive receptors —** Sensitive receptors will include schools, parks, residential areas and health-/day-care centers located in the vicinity of the Airport. Sensitive receptors also include offsite workers as well as onsite workers which are not located within secured areas such as the passenger terminals.
- **Worst-case receptors —** Worst-case receptors will also be selected in close proximity to air emissions sources such as near runway ends. These receptors represent sites where the pollutant concentrations are expected to be the highest and the public would reasonably be expected to occupy the area for a period of one hour or more.

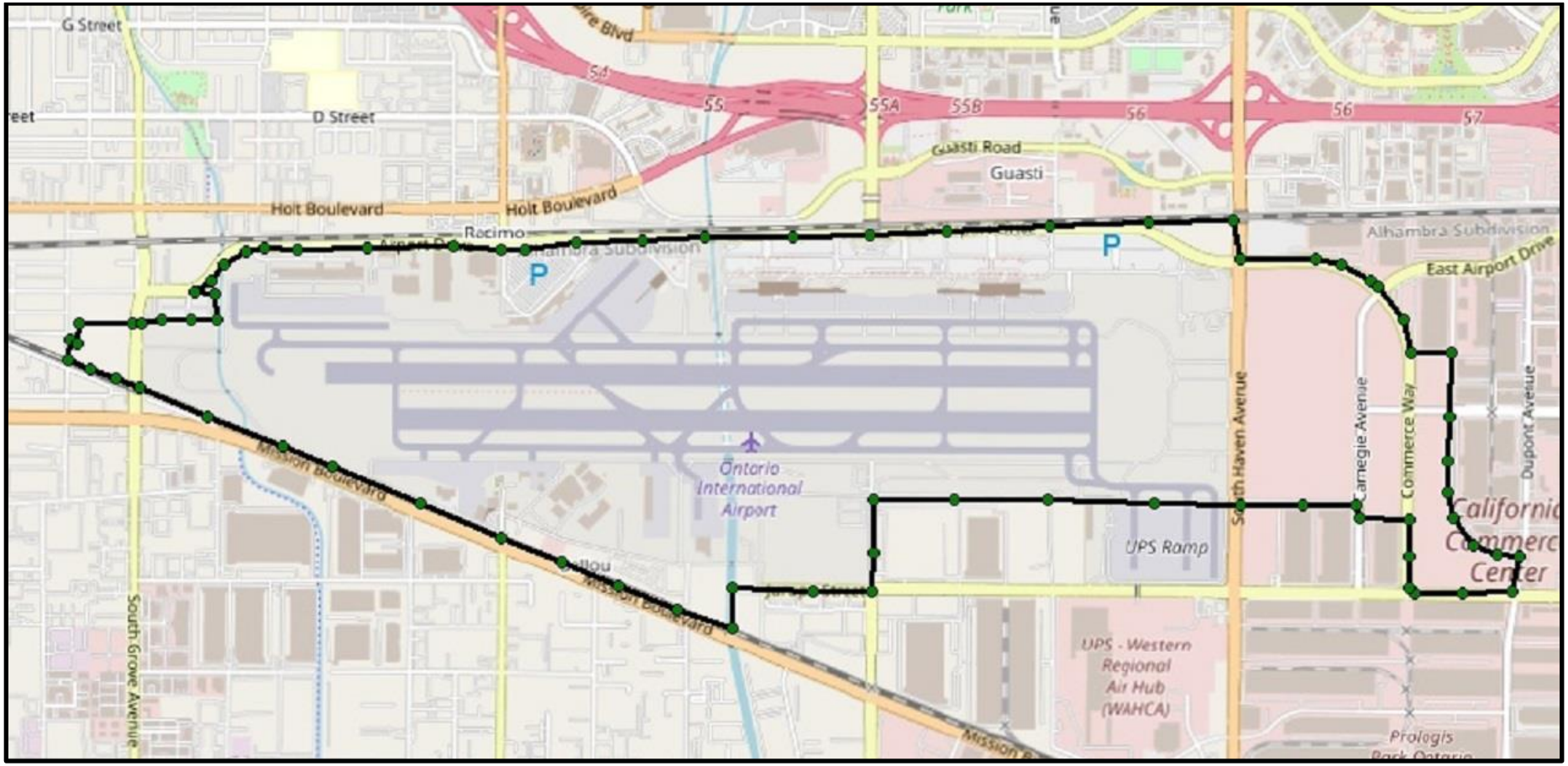
The maximum project-related concentrations are expected to occur in-line and directly beyond the runway ends and nearest to the project site and along the Airport boundary. As such, receptors will generally be limited to within ½ mile of the Airport boundary, in-line with the runway ends, and near the project site (i.e., on the south side of the Airport). There are no residential receptors within ½ miles of the eastern Airport boundary and within ½ miles of the project site.

For the AAQS, the height of each receptor will be assumed to be ground level consistent with SCAQMD modeling guidance. For the health risk assessment, the height of each receptor will be assumed to be 1.8 meters above ground (average breathing height) consistent with OEHHA guidance.

for the same meteorological year. As such, the worst-case concentrations of CO, SO_2, PM_{10}, and $PM_{2.5}$ for both short- and long-term averaging periods would occur in the same year. Of note, based on experience, the percentage of the airport/project contribution to the total concentration (airport/project plus background) will be highest for NO_2 and the closest to the AAQS compared to the other pollutants. Therefore, it is unlikely that use of a different year of meteorological data would substantially change the resulting conclusions for CO, SO_2, PM_{10}, $PM_{2.5}$, or Pb.

[35] The term *receptor* generically describes outdoor land uses or activities which it can be reasonably expected that the public would occupy for a period ranging from one hour to one year.

Figure 3
Air Dispersion Modeling Boundary Receptors



Operational Profile

An operational profile, which is comprised of temporal factors, will be used to describe the relationship of one period of time to another period of time (i.e., the relationship of the activity during one-hour to the activity during a 24-hour period). In AEDT, temporal factors are applied to represent varying levels of activity as a fraction of a peak hour. The use of temporal factors gives the model the ability to more accurately reflect real world conditions.

To represent actual aircraft activity at the Airport throughout the entire calendar year, hour-of-day, day-of-week, and month-of-year operational profiles will be used in the analysis. These profiles will be used by AEDT in its dispersion mode to calculate concentrations for each hour of the evaluated years at receptor locations.

The hour of the day, day of the week, and monthly operational profiles for the Existing Condition were developed using airport-specific activity data from FAA's Operations and Performance Data (OPSNET) for the years of 2018 through 2020 (**Table 5)**. Future year operational profiles for non-project aircraft operations will be assigned as the same as for the Existing Condition. Project aircraft operational profiles will be based on anticipated operating schedules and reflective a greater number of nighttime/early morning operations for the project compared to non-project operations.

Table 5
Aircraft Operational Profiles

Hour Ending	Profile
1	0.4851
2	0.1963
3	0.3351
4	0.2693
5	0.2391
6	0.4288
7	0.8790
8	0.8763
9	0.7457
10	0.7758
11	0.7586
Noon	0.7093
1	0.6565
2	0.5982
3	0.5832
4	0.7090
5	0.7382
6	0.7871
7	**1.0000**
8	0.7767
9	0.6031
10	0.7159
11	0.5651
Midnight	0.3937

Day	Profile
Sunday	0.5950
Monday	0.7726
Tuesday	**1.0000**
Wednesday	0.9938
Thursday	0.9844
Friday	0.8723
Saturday	0.6262

Month	Profile
January	0.9042
February	0.8359
March	0.8852
April	0.7950
May	0.8355
June	0.8746
July	0.8995
August	0.9417
September	0.8806
October	0.9436
November	0.9065
December	**1.0000**

Source: FAA Operation and Performance Data, 2021.

Nitrogen Oxides (NO_x) to Nitrogen Dioxide (NO_2) Conversion

The results of the dispersion modeling will provide predicted concentrations of NO_x which, for comparison to the NAAQS, will be converted to concentrations of NO_2. While AERMOD is generally considered a non-chemistry model, it offers three methods for modeling NO_2 formation from NO_x emissions: (i) the Ambient Ratio Method (ARM-2), (ii) the Ozone Limiting Method (OLM), and (iii) the Plume Volume Molar Ratio Method (PVMRM). As discussed in USEPA's Appendix W, PVMRM is most appropriate for analyses with relatively isolated and elevated sources. OLM is more appropriate for analyses with area sources, near-surface releases, or where plume overlap from multiple sources will occur. Moreover, USEPA's *Guideline on Air Quality Models*[36], recommends a three-tiered screening approach to estimate ambient concentrations of NO_2:

- *Tier 1* – Assumes complete (100 percent) conversion of all emitted NO_x to NO_2 based on application of an appropriate refined modeling technique under *Section 4.2.2 of Appendix W* (of the USEPA's Guideline) to estimate ambient NO_x concentrations.
- *Tier 2* – Ambient Ratio Method (ARM-2), where model predicted NO_x concentrations are multiplied by a NO_2/NO_x ambient ratio, derived from ambient monitoring data.

  ARM-2 incorporates a variable ambient ratio that is a function of model predicted one-hour NO_x concentration, based on an analysis of nationwide hourly ambient NO_x monitoring data from approximately 580 stations over the period 2001 through 2010.
- *Tier 3* – Performs a detailed analysis on a case-by-case basis by employing the OLM or PVMRM. These methods require the most detailed level of analysis and produce the least conservative, and presumably the most representative results. Tier 3 requires information such as in stack NO_2/NO_x ratio and ambient ozone concentrations.

The dispersion modeling will be performed using the ARM-2 and using the USEPA default NO_2 to NOx ambient ratios of 0.5 to 0.9 per SCAQMD and USEPA guidance. The dispersion modeling will also be performed using NO_2 to NOx ambient ratios of 0.2 to 0.9 (for informational purposes only); as several studies have shown that a minimum ambient ratio of 0.2 better represents aircraft exhaust environments.

Gate Assignments, Runways, Taxiways, Taxipaths, Airfield Capacity, and Operating Configurations

In AEDT, the capacity of the airfield, which can affect emissions via ground travel delay, is defined as the highest number of hourly departures, which can occur during the peak hour of arrivals and the highest number of hourly arrivals, which can occur during the peak hour of departures. Airfield capacity values will be incorporated in AEDT.

The runway use percentages will be based on the airfield simulation modeling. This information is used to distribute aircraft arrival and departure operations to each runway end. As required by AEDT, the runway usage by aircraft size (small, large, and heavy) and configuration (day/evening and night) will be used for the air quality analysis. Operating

[36] Appendix W to Part 51 – Guideline on Air Quality Models, http://www.ecfr.gov/cgi-bin/text-idx?SID=e6a5b817b94abf58460f48c032d9a39c&node=40:2.0.1.1.2.23.11.5.37&rgn=div9

configurations specify the pattern of aircraft arrivals and departures on specific runways over the course of a year, depending on weather conditions and airfield capacity. Specifying configurations allows for aircraft to be assigned to runways based on aircraft size (i.e., small, large, and heavy), a similar method to that employed in an actual airport operating environment.

The runway usage, terminal/apron assignment, and taxiway assignment define the taxipath that aircraft take while traveling on the ground. AEDT uses input data to develop an aircraft taxipath and, along with aircraft travel speeds, the corresponding ground taxi times. Each aircraft is assigned a terminal/apron location to which the aircraft proceeds after landing and where servicing (e.g., baggage handling, fueling, catering, etc.) is conducted. The aircraft then departs from the same terminal/apron for a takeoff runway end. For the air quality analysis, the taxiway assignments will be based on the common and forecast routing paths that ground traffic controllers are known to assign and airfield simulation modeling.

Analysis Scenarios

For the emissions inventory, in order to determine the proposed project-related operational impacts associated with air pollutant emissions, the total emissions associated with the proposed project that will occur in Phase 1 and Phase 2 including other aircraft operations not associated with the project will be compared to the 2021 baseline emissions. The difference between these two conditions will be used to determine the significance of the proposed project when compared to the SCAQMD thresholds.

- Year 2025 with project operations compared to the 2021 baseline condition
- Year 2029 with project operations compared to the 2021 baseline condition

However, this comparison will be influenced by factors that are not attributable to the project itself. Specifically, the comparison will contain future aircraft operations from background growth that are projected to occur with or without the proposed project. In order to remove the contribution of background growth, for CEQA purposes, a second comparison will be provided for the proposed future project and the proposed future without project. This comparison will be made for informational purposes only and in which the significance of the project impacts will not be based.

- Year 2025 with project operations compared to the Year 2025 without project operations
- Year 2029 with project operations compared to the Year 2029 without project operations

For the air dispersion modeling, in order to evaluate impacts associated with the proposed project in isolation (i.e., without including impacts associated with existing airport operations), concentrations associated with the 2021 baseline condition will be subtracted from future year with project concentrations (i.e., project-related concentrations). Then, in order to determine the total concentrations for CO, SO_2, and NO_2, these project-related concentrations will be added to a background concentration (i.e., representing other nearby emission sources not associated with the airport or the project) based on nearby existing ambient monitoring station(s). For CO, SO_2, and NO_2, these total concentrations will be compared to the California and National AAQS. Per SCAQMD guidance, the project-related concentrations of PM_{10} and $PM_{2.5}$ will be compared to the

SCAQMD significance thresholds for PM_{10} and $PM_{2.5}$ (without adding background concentrations).

- Year 2025 with project operations compared to the 2021 baseline condition
- Year 2029 with project operations compared to the 2021 baseline condition

As with the emissions results, a second comparison will be made in order to remove the influence of background airport growth by comparing the concentrations from future year with proposed project and the future year without proposed project. This comparison will be made for informational purposes only and in which the significance of the project impacts will not be based.

- Year 2025 with project operations compared to the Year 2025 without project operations
- Year 2029 with project operations compared to the Year 2029 without project operations

Under SCAQMD's guidance, "projects that exceed the project-specific significance thresholds are considered by SCAQMD to be cumulatively considerable. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant." Consistent with this guidance, the potential for the proposed project to results in cumulative impacts from regional emissions will be assessed based on SCAQMD thresholds through a qualitative discussion.

6. HEALTH RISK ASSESSMENT

Hazardous Air Pollutants (HAP) comprise gaseous organic and inorganic chemicals and particulate matter with known or suspected potential to cause cancer (carcinogenic) or other serious health effects (non-carcinogenic). They are commonly emitted by a wide range of airport and non-airport sources, including aircraft, ground support equipment, motor vehicles, home furnaces, evaporating fuel and paints, wood burning, carpets, dry-cleaning of clothing, and industrial facilities.

For most airport emission inventories, formaldehyde occurs in the greatest amounts followed by acetaldehyde, acrolein, and 1,3-butadiene. These compounds are emitted in the exhaust of aircraft, APU, GSE, and ground access vehicles and, to a lesser extent, from boilers, fuel facilities, and other stationary sources. Compounds such as benzene, ethylbenzene, naphthalene, toluene, hexane, styrene, and xylene also occur, but in far lesser amounts.

The USEPA and the FAA developed organic gas speciation profiles and best practices for use in HAP emission inventories of aircraft equipped with turbofan, turbojet, and turboprop engines fueled with kerosene-based jet-A fuel. The development of these profiles and guidance was the combined work of both agencies, taking into account the most recent data and information available.

- *Recommended Best Practice for Quantifying Speciated Organic Gas Emissions from Aircraft Equipped with Turbofan, Turbojet, and Turboprop Engines.*[37]

  The aircraft-related speciation profile developed from this initiative was used to update the organic gas profile for aircraft in the USEPA SPECIATE database – the agency's multi-sector repository for such data. In this application, a *speciation profile* is the amount of organic gases emitted based on the amount of VOC emitted by an emission source.

The FAA also published a document providing an approach to, and technical guidance for, preparing speciated organic gas emission inventories for airport sources.

- *Guidance for Quantifying Speciated Organic Gas Emissions from Airport Sources.*[38]

  This guidance is intended to help ensure that OG/HAPs emission inventories prepared in support of environmental documents prepared by, or on behalf of, the FAA are done so consistently. Importantly, it points out that emission inventories of aviation-related organic gases; which include the organic gases identified by the USEPA to be HAP and the organic gases listed in the USEPA Integrated Risk Information System, are not required by current USEPA regulations. However, in those cases where it is necessary to prepare an aviation-related HAP emissions inventory, the inventory must be prepared following this guidance and using AEDT.

AEDT calculates emissions for approximately 400 different air toxics. Of these air toxics approximately 45 compounds are classified as HAP.

The health risk assessment will focus on potential impacts on any existing residences and other sensitive populations located near to the Project site from emissions of toxic air contaminants (TAC)[39] such as diesel particulate matter (DPM)[40] emissions from construction equipment and haul trucks associated with the proposed project construction activities as well as air toxics emissions from aircraft. The HRA will be conducted to determine the health impacts, in terms of excess cancer risk and noncancer hazards, using the significance levels identified by the

[37] Federal Aviation Administration and United States Environmental Protection Agency, *Recommended Best Practice for Quantifying Speciated Organic Gas Emissions from Aircraft Equipped with Turbofan, Turbojet, and Turboprop Engines (Version 1.0)*, May 2009, http://www.epa.gov/nonroad/aviation/420r09901.pdf

[38] Federal Aviation Administration, *Guidance for Quantifying Speciated Organic Gas Emissions from Airport Sources,* Version 1, September 2, 2009, http://www.faa.gov/regulations_policies/policy_guidance/envir_policy/media/Guidance%20for%20Quantifying%20Speciated%20Organic%20Gas%20Emissions%20from%20Airport%20Sources.pdf

[39] Toxic air contaminants (TAC) are a broad class of compounds known to cause morbidity or mortality. TAC are found in ambient air, especially in urban areas, and are caused by industry, agriculture, fuel combustion, and commercial operations (e.g., gasoline service stations, dry cleaners). TAC are typically found in low concentrations, even near their source (e.g., diesel particulate matter near a freeway). Because chronic exposure can result in adverse health effects, TAC are regulated at the regional, state, and Federal level.

[40] In 1998, the California Air Resources Board classified diesel particulate matter as a toxic air contaminant, citing its potential to cause cancer and other health problems. The United States Environmental Protection Agency concluded that long-term exposure to diesel engine exhaust is likely to pose a lung cancer hazard to humans and can also contribute to other acute and chronic health effects.

SCAQMD.[41] The HRA will be prepared based on the California Office of Environmental Health Hazard Assessment (OEHHA)'s *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*.[42]

7. GREENHOUSE GAS EMISSIONS

GHG emissions associated with aviation are principally in the form of CO_2 and are generated by aircraft, APU, GSE, motor vehicles and an assortment of stationary sources. For the most part, CO_2 emissions from these sources arise from the combustion of fossil fuels (e.g., jet fuel, avgas, diesel, gasoline, and compressed natural gas) and are emitted as by-products contained in the engine exhausts. Other GHG associated with airport operations include methane and nitric oxides, water vapor, soot, and sulfates - but are emitted by airports to a far lesser extent than CO_2.

Fuel burn and GHG emissions will be calculated in much the same way as criteria air pollutants using AEDT. Input data included activity levels or material throughput (i.e., fuel use, vehicle miles traveled, electrical consumption, etc.). Appropriate emission factors will be applied to the input data (i.e., in units of GHG emissions per gallon of fuel).

[41] South Coast Air Quality Management District, SCAQMD Air Quality Significance Thresholds, April 2019, http://www.aqmd.gov/ceqa/hdbk.html.

[42] Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, February 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html.

1-Hour CO Concentrations (µg/m^3) from Operational Activities - Project Compared to Baseline

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-2017.7	-1529	442,500	3,767,000	13	32
2	-1767.7	-1529	442,750	3,767,000	16	52
3	-1517.7	-1529	443,000	3,767,000	14	67
4	-1267.7	-1529	443,250	3,767,000	17	78
5	-1017.7	-1529	443,500	3,767,000	25	89
6	-767.7	-1529	443,750	3,767,000	23	87
7	-517.7	-1529	444,000	3,767,000	21	79
8	-267.7	-1529	444,250	3,767,000	25	73
9	-17.7	-1529	444,500	3,767,000	21	53
10	232.3	-1529	444,750	3,767,000	26	30
11	482.3	-1529	445,000	3,767,000	35	35
12	732.3	-1529	445,250	3,767,000	58	55
13	982.3	-1529	445,500	3,767,000	29	50
14	1232.3	-1529	445,750	3,767,000	31	66
15	1482.3	-1529	446,000	3,767,000	37	68
16	1732.3	-1529	446,250	3,767,000	47	66
17	1982.3	-1529	446,500	3,767,000	(5)	13
18	2232.3	-1529	446,750	3,767,000	18	13
19	2482.3	-1529	447,000	3,767,000	39	19
20	2732.3	-1529	447,250	3,767,000	7	(6)
21	2982.3	-1529	447,500	3,767,000	(19)	(15)
22	3232.3	-1529	447,750	3,767,000	11	4
23	3482.3	-1529	448,000	3,767,000	46	41
24	3732.3	-1529	448,250	3,767,000	58	53
25	3982.3	-1529	448,500	3,767,000	48	45
26	4232.3	-1529	448,750	3,767,000	29	26
27	4482.3	-1529	449,000	3,767,000	19	24
28	-2017.7	-1279	442,500	3,767,250	21	28
29	-1767.7	-1279	442,750	3,767,250	19	35
30	-1517.7	-1279	443,000	3,767,250	20	53
31	-1267.7	-1279	443,250	3,767,250	23	77
32	-1017.7	-1279	443,500	3,767,250	27	97
33	-767.7	-1279	443,750	3,767,250	25	105
34	-517.7	-1279	444,000	3,767,250	20	102
35	-267.7	-1279	444,250	3,767,250	22	98
36	-17.7	-1279	444,500	3,767,250	28	90
37	232.3	-1279	444,750	3,767,250	28	67
38	482.3	-1279	445,000	3,767,250	40	53
39	732.3	-1279	445,250	3,767,250	71	64
40	982.3	-1279	445,500	3,767,250	37	56
41	1232.3	-1279	445,750	3,767,250	34	78
42	1482.3	-1279	446,000	3,767,250	37	68
43	1732.3	-1279	446,250	3,767,250	57	73

44	1982.3	-1279	446,500	3,767,250	(14)	8
45	2232.3	-1279	446,750	3,767,250	49	34
46	2482.3	-1279	447,000	3,767,250	16	(5)
47	2732.3	-1279	447,250	3,767,250	(25)	(19)
48	2982.3	-1279	447,500	3,767,250	13	7
49	3232.3	-1279	447,750	3,767,250	60	56
50	3482.3	-1279	448,000	3,767,250	67	63
51	3732.3	-1279	448,250	3,767,250	46	42
52	3982.3	-1279	448,500	3,767,250	26	40
53	4232.3	-1279	448,750	3,767,250	22	43
54	4482.3	-1279	449,000	3,767,250	22	40
55	-2017.7	-1029	442,500	3,767,500	24	23
56	-1767.7	-1029	442,750	3,767,500	26	25
57	-1517.7	-1029	443,000	3,767,500	29	38
58	-1267.7	-1029	443,250	3,767,500	30	57
59	-1017.7	-1029	443,500	3,767,500	35	94
60	-767.7	-1029	443,750	3,767,500	33	116
61	-517.7	-1029	444,000	3,767,500	28	128
62	-267.7	-1029	444,250	3,767,500	27	133
63	-17.7	-1029	444,500	3,767,500	30	128
64	232.3	-1029	444,750	3,767,500	34	114
65	482.3	-1029	445,000	3,767,500	49	103
66	732.3	-1029	445,250	3,767,500	80	103
67	982.3	-1029	445,500	3,767,500	54	72
68	1232.3	-1029	445,750	3,767,500	38	90
69	1482.3	-1029	446,000	3,767,500	44	74
70	1732.3	-1029	446,250	3,767,500	75	88
71	1982.3	-1029	446,500	3,767,500	(1)	1
72	2232.3	-1029	446,750	3,767,500	27	2
73	2482.3	-1029	447,000	3,767,500	(30)	(23)
74	2732.3	-1029	447,250	3,767,500	17	12
75	2982.3	-1029	447,500	3,767,500	84	80
76	3232.3	-1029	447,750	3,767,500	76	71
77	3482.3	-1029	448,000	3,767,500	41	66
78	3732.3	-1029	448,250	3,767,500	44	63
79	3982.3	-1029	448,500	3,767,500	44	58
80	4232.3	-1029	448,750	3,767,500	43	52
81	4482.3	-1029	449,000	3,767,500	40	45
82	-3017.7	-779	441,500	3,767,750	25	18
83	-2767.7	-779	441,750	3,767,750	30	22
84	-2517.7	-779	442,000	3,767,750	32	22
85	-2267.7	-779	442,250	3,767,750	33	23
86	-2017.7	-779	442,500	3,767,750	36	26
87	-1767.7	-779	442,750	3,767,750	41	34
88	-1517.7	-779	443,000	3,767,750	42	39

89	-1267.7	-779	443,250	3,767,750	39	39
90	-1017.7	-779	443,500	3,767,750	58	69
91	-767.7	-779	443,750	3,767,750	59	119
92	-517.7	-779	444,000	3,767,750	51	151
93	732.3	-779	445,250	3,767,750	86	162
94	982.3	-779	445,500	3,767,750	77	135
95	1232.3	-779	445,750	3,767,750	56	109
96	1482.3	-779	446,000	3,767,750	56	92
97	1732.3	-779	446,250	3,767,750	90	120
98	1982.3	-779	446,500	3,767,750	30	9
99	2232.3	-779	446,750	3,767,750	(53)	(39)
100	2482.3	-779	447,000	3,767,750	8	5
101	2732.3	-779	447,250	3,767,750	112	107
102	2982.3	-779	447,500	3,767,750	68	97
103	3732.3	-779	448,250	3,767,750	56	57
104	3982.3	-779	448,500	3,767,750	50	47
105	4232.3	-779	448,750	3,767,750	44	38
106	4482.3	-779	449,000	3,767,750	36	29
107	-3517.7	-529	441,000	3,768,000	7	45
108	-3267.7	-529	441,250	3,768,000	5	44
109	-3017.7	-529	441,500	3,768,000	7	43
110	-2767.7	-529	441,750	3,768,000	8	41
111	-2517.7	-529	442,000	3,768,000	10	38
112	-2267.7	-529	442,250	3,768,000	13	35
113	-2017.7	-529	442,500	3,768,000	17	31
114	-1767.7	-529	442,750	3,768,000	24	25
115	-1517.7	-529	443,000	3,768,000	40	23
116	-1267.7	-529	443,250	3,768,000	102	71
117	732.3	-529	445,250	3,768,000	34	210
118	982.3	-529	445,500	3,768,000	34	185
119	1232.3	-529	445,750	3,768,000	30	171
120	1482.3	-529	446,000	3,768,000	(1)	142
121	1732.3	-529	446,250	3,768,000	105	202
122	1982.3	-529	446,500	3,768,000	(109)	(107)
123	2232.3	-529	446,750	3,768,000	(36)	(31)
124	2482.3	-529	447,000	3,768,000	101	121
125	2732.3	-529	447,250	3,768,000	72	66
126	3482.3	-529	448,000	3,768,000	50	24
127	3732.3	-529	448,250	3,768,000	50	26
128	3982.3	-529	448,500	3,768,000	49	27
129	4232.3	-529	448,750	3,768,000	48	27
130	4482.3	-529	449,000	3,768,000	46	26
131	-3517.7	-279	441,000	3,768,250	32	79
132	-3267.7	-279	441,250	3,768,250	31	82
133	-3017.7	-279	441,500	3,768,250	30	85

134	-2767.7	-279	441,750	3,768,250	29	89
135	-2517.7	-279	442,000	3,768,250	26	91
136	-2267.7	-279	442,250	3,768,250	25	96
137	-2017.7	-279	442,500	3,768,250	27	108
138	3482.3	-279	448,000	3,768,250	27	1
139	3732.3	-279	448,250	3,768,250	32	5
140	3982.3	-279	448,500	3,768,250	34	8
141	4232.3	-279	448,750	3,768,250	35	10
142	4482.3	-279	449,000	3,768,250	35	11
143	-3517.7	-29	441,000	3,768,500	60	89
144	-3267.7	-29	441,250	3,768,500	63	97
145	-3017.7	-29	441,500	3,768,500	70	109
146	-2767.7	-29	441,750	3,768,500	80	125
147	-2517.7	-29	442,000	3,768,500	88	141
148	3482.3	-29	448,000	3,768,500	5	(20)
149	3732.3	-29	448,250	3,768,500	7	(16)
150	3982.3	-29	448,500	3,768,500	9	(12)
151	4232.3	-29	448,750	3,768,500	11	(9)
152	4482.3	-29	449,000	3,768,500	12	(6)
153	-3517.7	221	441,000	3,768,750	52	61
154	-3267.7	221	441,250	3,768,750	61	70
155	-3017.7	221	441,500	3,768,750	74	82
156	3482.3	221	448,000	3,768,750	(3)	(10)
157	3732.3	221	448,250	3,768,750	(5)	(12)
158	3982.3	221	448,500	3,768,750	(6)	(12)
159	4232.3	221	448,750	3,768,750	(6)	(11)
160	4482.3	221	449,000	3,768,750	(6)	(11)
161	-3517.7	471	441,000	3,769,000	70	46
162	-3267.7	471	441,250	3,769,000	79	53
163	-3017.7	471	441,500	3,769,000	90	61
164	-2767.7	471	441,750	3,769,000	103	71
165	-2517.7	471	442,000	3,769,000	107	75
166	-2267.7	471	442,250	3,769,000	84	58
167	3232.3	471	447,750	3,769,000	9	32
168	3482.3	471	448,000	3,769,000	10	24
169	3732.3	471	448,250	3,769,000	9	16
170	3982.3	471	448,500	3,769,000	6	9
171	4232.3	471	448,750	3,769,000	0	0
172	4482.3	471	449,000	3,769,000	(4)	(2)
173	-3517.7	721	441,000	3,769,250	50	49
174	-3267.7	721	441,250	3,769,250	53	52
175	-3017.7	721	441,500	3,769,250	56	55
176	-2767.7	721	441,750	3,769,250	56	56
177	-2517.7	721	442,000	3,769,250	52	53
178	-2267.7	721	442,250	3,769,250	49	50

179	2482.3	721	447,000	3,769,250	92	72
180	2732.3	721	447,250	3,769,250	52	50
181	2982.3	721	447,500	3,769,250	30	52
182	3232.3	721	447,750	3,769,250	21	48
183	3482.3	721	448,000	3,769,250	14	41
184	3732.3	721	448,250	3,769,250	13	34
185	3982.3	721	448,500	3,769,250	12	27
186	4232.3	721	448,750	3,769,250	10	21
187	4482.3	721	449,000	3,769,250	8	14
188	-3267.7	971	441,250	3,769,500	37	34
189	-3017.7	971	441,500	3,769,500	37	29
190	-2767.7	971	441,750	3,769,500	35	24
191	-2517.7	971	442,000	3,769,500	31	19
192	-2267.7	971	442,250	3,769,500	28	26
193	-2017.7	971	442,500	3,769,500	25	35
194	-1767.7	971	442,750	3,769,500	23	44
195	-1517.7	971	443,000	3,769,500	22	52
196	-1267.7	971	443,250	3,769,500	26	57
197	-1017.7	971	443,500	3,769,500	17	51
198	-767.7	971	443,750	3,769,500	17	31
199	-517.7	971	444,000	3,769,500	37	7
200	-267.7	971	444,250	3,769,500	50	12
201	-17.7	971	444,500	3,769,500	48	20
202	232.3	971	444,750	3,769,500	30	30
203	482.3	971	445,000	3,769,500	14	41
204	732.3	971	445,250	3,769,500	14	44
205	982.3	971	445,500	3,769,500	31	55
206	1232.3	971	445,750	3,769,500	40	43
207	1482.3	971	446,000	3,769,500	46	49
208	1732.3	971	446,250	3,769,500	9	51
209	1982.3	971	446,500	3,769,500	47	75
210	2232.3	971	446,750	3,769,500	73	76
211	2482.3	971	447,000	3,769,500	83	68
212	2732.3	971	447,250	3,769,500	80	61
213	2982.3	971	447,500	3,769,500	69	52
214	3232.3	971	447,750	3,769,500	47	35
215	3482.3	971	448,000	3,769,500	31	39
216	3732.3	971	448,250	3,769,500	23	41
217	-3267.7	1221	441,250	3,769,750	26	12
218	-3017.7	1221	441,500	3,769,750	23	12
219	-2767.7	1221	441,750	3,769,750	21	20
220	-2517.7	1221	442,000	3,769,750	18	27
221	-2267.7	1221	442,250	3,769,750	17	35
222	-2017.7	1221	442,500	3,769,750	20	42
223	-1767.7	1221	442,750	3,769,750	23	49

224	-1517.7	1221	443,000	3,769,750	19	46
225	-1267.7	1221	443,250	3,769,750	15	35
226	-1017.7	1221	443,500	3,769,750	15	17
227	-767.7	1221	443,750	3,769,750	28	8
228	-517.7	1221	444,000	3,769,750	38	8
229	-267.7	1221	444,250	3,769,750	39	16
230	-17.7	1221	444,500	3,769,750	29	23
231	232.3	1221	444,750	3,769,750	18	30
232	482.3	1221	445,000	3,769,750	13	34
233	732.3	1221	445,250	3,769,750	34	32
234	982.3	1221	445,500	3,769,750	34	32
235	1232.3	1221	445,750	3,769,750	39	41
236	1482.3	1221	446,000	3,769,750	43	45
237	1732.3	1221	446,250	3,769,750	15	42
238	1982.3	1221	446,500	3,769,750	11	40
239	2232.3	1221	446,750	3,769,750	37	70
240	2482.3	1221	447,000	3,769,750	53	68
241	2732.3	1221	447,250	3,769,750	58	58
242	2982.3	1221	447,500	3,769,750	62	52
243	3232.3	1221	447,750	3,769,750	62	47
244	3482.3	1221	448,000	3,769,750	55	37
245	3732.3	1221	448,250	3,769,750	41	25
246	-2828.12	251.91	441,690	3,768,781	91	89
247	-2793.79	238.18	441,724	3,768,767	91	94
248	-2786.92	330.88	441,731	3,768,860	105	75
249	-2550.03	325.73	441,968	3,768,855	131	94
250	-2503.68	329.16	442,014	3,768,858	139	98
251	-2414.42	346.32	442,103	3,768,875	153	104
252	-2290.83	348.04	442,227	3,768,877	168	119
253	-2175.82	342.89	442,342	3,768,872	173	126
254	-2186.12	456.19	442,332	3,768,985	82	56
255	-2270.23	469.92	442,248	3,768,999	84	58
256	-2201.57	517.98	442,316	3,769,047	72	60
257	-2141.49	590.08	442,376	3,769,119	68	68
258	-2043.64	645.01	442,474	3,769,174	54	60
259	-1962.96	658.74	442,555	3,769,188	51	55
260	-1820.49	650.16	442,697	3,769,179	50	53
261	-1509.79	658.74	443,008	3,769,188	44	47
262	-1123.56	672.47	443,394	3,769,201	37	61
263	-915.85	655.31	443,602	3,769,184	40	63
264	-809.43	657.02	443,708	3,769,186	38	61
265	-579.4	686.21	443,938	3,769,215	14	57
266	-291.02	694.79	444,227	3,769,224	45	38
267	-9.5	711.95	444,508	3,769,241	73	19
268	373.29	710.24	444,891	3,769,239	49	42

269	718.33	717.1	445,236	3,769,246	3	61
270	1056.49	735.99	445,574	3,769,265	1	64
271	1516.53	761.74	446,034	3,769,291	31	69
272	1949.11	777.18	446,467	3,769,306	81	83
273	2330.19	784.05	446,848	3,769,313	118	86
274	2359.37	615.83	446,877	3,769,145	102	80
275	2692.39	614.11	447,210	3,769,143	29	53
276	2809.11	588.36	447,327	3,769,117	21	52
277	2932.71	514.55	447,450	3,769,043	11	44
278	2967.04	488.8	447,485	3,769,018	9	42
279	3083.77	346.32	447,602	3,768,875	10	26
280	3112.95	202.13	447,631	3,768,731	3	(2)
281	3291.47	195.27	447,809	3,768,724	(1)	(10)
282	3286.32	-86.25	447,804	3,768,443	5	(21)
283	3279.46	-278.51	447,797	3,768,250	21	(5)
284	3274.31	-415.83	447,792	3,768,113	65	29
285	3303.49	-536	447,821	3,767,993	48	29
286	3391.03	-656.16	447,909	3,767,873	51	48
287	3495.74	-699.07	448,013	3,767,830	52	52
288	3595.31	-700.79	448,113	3,767,828	49	47
289	3560.97	-860.43	448,079	3,767,668	85	92
290	3339.54	-867.29	447,857	3,767,662	89	104
291	3131.83	-867.29	447,650	3,767,662	99	120
292	3102.65	-841.55	447,620	3,767,687	77	103
293	3104.36	-702.5	447,622	3,767,826	65	78
294	3106.08	-542.86	447,624	3,767,986	48	39
295	2886.36	-536	447,404	3,767,993	60	52
296	2869.19	-475.91	447,387	3,768,053	59	33
297	2634.02	-477.63	447,152	3,768,051	70	53
298	2355.94	-472.48	446,874	3,768,056	117	123
299	1974.86	-467.33	446,493	3,768,061	(55)	(41)
300	1509.67	-455.32	446,027	3,768,074	50	193
301	1092.54	-455.32	445,610	3,768,074	23	223
302	733.78	-450.17	445,252	3,768,079	5	239
303	735.49	-683.62	445,253	3,767,845	56	165
304	728.63	-856.99	445,246	3,767,672	204	240
305	469.42	-853.56	444,987	3,767,675	143	214
306	110.66	-839.83	444,628	3,767,689	93	210
307	110.66	-1020.07	444,628	3,767,509	34	127
308	-138.24	-935.96	444,380	3,767,593	35	152
309	-397.45	-829.53	444,120	3,767,699	47	156
310	-646.35	-724.82	443,871	3,767,804	60	136
311	-914.14	-620.11	443,604	3,767,909	150	136
312	-1274.62	-465.62	443,243	3,768,063	48	36
313	-1659.13	-307.69	442,859	3,768,221	(4)	122

314	-1880.57	-216.71	442,637	3,768,312	57	139
315	-2211.87	-87.97	442,306	3,768,441	92	150
316	-2512.27	42.49	442,005	3,768,571	87	139
317	-2622.13	87.12	441,896	3,768,616	85	128
318	-2737.14	128.32	441,781	3,768,657	81	115
319	-2833.27	169.52	441,684	3,768,698	76	102

8-Hour CO Concentrations (µg/m³) from Operational Activities - Project Compared to Baseline

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-2017.7	-1529	442,500	3,767,000	5	6
2	-1767.7	-1529	442,750	3,767,000	7	9
3	-1517.7	-1529	443,000	3,767,000	7	12
4	-1267.7	-1529	443,250	3,767,000	7	16
5	-1017.7	-1529	443,500	3,767,000	10	20
6	-767.7	-1529	443,750	3,767,000	10	20
7	-517.7	-1529	444,000	3,767,000	8	19
8	-267.7	-1529	444,250	3,767,000	8	19
9	-17.7	-1529	444,500	3,767,000	9	19
10	232.3	-1529	444,750	3,767,000	11	15
11	482.3	-1529	445,000	3,767,000	12	17
12	732.3	-1529	445,250	3,767,000	19	27
13	982.3	-1529	445,500	3,767,000	12	26
14	1232.3	-1529	445,750	3,767,000	10	25
15	1482.3	-1529	446,000	3,767,000	7	20
16	1732.3	-1529	446,250	3,767,000	8	18
17	1982.3	-1529	446,500	3,767,000	13	16
18	2232.3	-1529	446,750	3,767,000	17	22
19	2482.3	-1529	447,000	3,767,000	12	20
20	2732.3	-1529	447,250	3,767,000	6	15
21	2982.3	-1529	447,500	3,767,000	2	8
22	3232.3	-1529	447,750	3,767,000	(0)	1
23	3482.3	-1529	448,000	3,767,000	3	5
24	3732.3	-1529	448,250	3,767,000	5	7
25	3982.3	-1529	448,500	3,767,000	5	6
26	4232.3	-1529	448,750	3,767,000	6	6
27	4482.3	-1529	449,000	3,767,000	6	5
28	-2017.7	-1279	442,500	3,767,250	7	6
29	-1767.7	-1279	442,750	3,767,250	8	6
30	-1517.7	-1279	443,000	3,767,250	8	9
31	-1267.7	-1279	443,250	3,767,250	7	13
32	-1017.7	-1279	443,500	3,767,250	10	19
33	-767.7	-1279	443,750	3,767,250	10	22
34	-517.7	-1279	444,000	3,767,250	9	21
35	-267.7	-1279	444,250	3,767,250	9	22
36	-17.7	-1279	444,500	3,767,250	9	23
37	232.3	-1279	444,750	3,767,250	13	21
38	482.3	-1279	445,000	3,767,250	14	20
39	732.3	-1279	445,250	3,767,250	22	30
40	982.3	-1279	445,500	3,767,250	14	29
41	1232.3	-1279	445,750	3,767,250	11	29
42	1482.3	-1279	446,000	3,767,250	10	25
43	1732.3	-1279	446,250	3,767,250	11	22

44	1982.3	-1279	446,500	3,767,250	16	20
45	2232.3	-1279	446,750	3,767,250	18	25
46	2482.3	-1279	447,000	3,767,250	11	20
47	2732.3	-1279	447,250	3,767,250	4	13
48	2982.3	-1279	447,500	3,767,250	1	3
49	3232.3	-1279	447,750	3,767,250	7	9
50	3482.3	-1279	448,000	3,767,250	7	9
51	3732.3	-1279	448,250	3,767,250	8	9
52	3982.3	-1279	448,500	3,767,250	8	7
53	4232.3	-1279	448,750	3,767,250	8	6
54	4482.3	-1279	449,000	3,767,250	8	5
55	-2017.7	-1029	442,500	3,767,500	10	10
56	-1767.7	-1029	442,750	3,767,500	10	8
57	-1517.7	-1029	443,000	3,767,500	9	5
58	-1267.7	-1029	443,250	3,767,500	9	9
59	-1017.7	-1029	443,500	3,767,500	11	16
60	-767.7	-1029	443,750	3,767,500	12	22
61	-517.7	-1029	444,000	3,767,500	11	24
62	-267.7	-1029	444,250	3,767,500	11	25
63	-17.7	-1029	444,500	3,767,500	11	27
64	232.3	-1029	444,750	3,767,500	15	29
65	482.3	-1029	445,000	3,767,500	20	25
66	732.3	-1029	445,250	3,767,500	28	35
67	982.3	-1029	445,500	3,767,500	19	33
68	1232.3	-1029	445,750	3,767,500	18	36
69	1482.3	-1029	446,000	3,767,500	14	31
70	1732.3	-1029	446,250	3,767,500	17	29
71	1982.3	-1029	446,500	3,767,500	23	30
72	2232.3	-1029	446,750	3,767,500	19	29
73	2482.3	-1029	447,000	3,767,500	8	20
74	2732.3	-1029	447,250	3,767,500	5	8
75	2982.3	-1029	447,500	3,767,500	12	15
76	3232.3	-1029	447,750	3,767,500	11	14
77	3482.3	-1029	448,000	3,767,500	12	12
78	3732.3	-1029	448,250	3,767,500	13	11
79	3982.3	-1029	448,500	3,767,500	13	10
80	4232.3	-1029	448,750	3,767,500	12	9
81	4482.3	-1029	449,000	3,767,500	11	8
82	-3017.7	-779	441,500	3,767,750	2	5
83	-2767.7	-779	441,750	3,767,750	3	8
84	-2517.7	-779	442,000	3,767,750	5	9
85	-2267.7	-779	442,250	3,767,750	8	11
86	-2017.7	-779	442,500	3,767,750	12	15
87	-1767.7	-779	442,750	3,767,750	11	14
88	-1517.7	-779	443,000	3,767,750	12	12

89	-1267.7	-779	443,250	3,767,750	11	7
90	-1017.7	-779	443,500	3,767,750	14	10
91	-767.7	-779	443,750	3,767,750	16	20
92	-517.7	-779	444,000	3,767,750	15	27
93	732.3	-779	445,250	3,767,750	29	42
94	982.3	-779	445,500	3,767,750	25	41
95	1232.3	-779	445,750	3,767,750	26	41
96	1482.3	-779	446,000	3,767,750	19	36
97	1732.3	-779	446,250	3,767,750	28	43
98	1982.3	-779	446,500	3,767,750	28	40
99	2232.3	-779	446,750	3,767,750	15	28
100	2482.3	-779	447,000	3,767,750	8	14
101	2732.3	-779	447,250	3,767,750	15	22
102	2982.3	-779	447,500	3,767,750	13	18
103	3732.3	-779	448,250	3,767,750	14	10
104	3982.3	-779	448,500	3,767,750	13	9
105	4232.3	-779	448,750	3,767,750	12	9
106	4482.3	-779	449,000	3,767,750	10	8
107	-3517.7	-529	441,000	3,768,000	2	7
108	-3267.7	-529	441,250	3,768,000	2	7
109	-3017.7	-529	441,500	3,768,000	2	6
110	-2767.7	-529	441,750	3,768,000	3	6
111	-2517.7	-529	442,000	3,768,000	4	6
112	-2267.7	-529	442,250	3,768,000	4	6
113	-2017.7	-529	442,500	3,768,000	4	7
114	-1767.7	-529	442,750	3,768,000	5	9
115	-1517.7	-529	443,000	3,768,000	8	13
116	-1267.7	-529	443,250	3,768,000	23	20
117	732.3	-529	445,250	3,768,000	30	59
118	982.3	-529	445,500	3,768,000	31	60
119	1232.3	-529	445,750	3,768,000	27	62
120	1482.3	-529	446,000	3,768,000	33	71
121	1732.3	-529	446,250	3,768,000	29	88
122	1982.3	-529	446,500	3,768,000	5	30
123	2232.3	-529	446,750	3,768,000	14	25
124	2482.3	-529	447,000	3,768,000	18	32
125	2732.3	-529	447,250	3,768,000	16	11
126	3482.3	-529	448,000	3,768,000	10	7
127	3732.3	-529	448,250	3,768,000	9	7
128	3982.3	-529	448,500	3,768,000	8	6
129	4232.3	-529	448,750	3,768,000	7	5
130	4482.3	-529	449,000	3,768,000	6	5
131	-3517.7	-279	441,000	3,768,250	4	11
132	-3267.7	-279	441,250	3,768,250	4	12
133	-3017.7	-279	441,500	3,768,250	5	12

134	-2767.7	-279	441,750	3,768,250	6	12
135	-2517.7	-279	442,000	3,768,250	8	12
136	-2267.7	-279	442,250	3,768,250	9	13
137	-2017.7	-279	442,500	3,768,250	11	14
138	3482.3	-279	448,000	3,768,250	11	10
139	3732.3	-279	448,250	3,768,250	10	10
140	3982.3	-279	448,500	3,768,250	9	10
141	4232.3	-279	448,750	3,768,250	9	9
142	4482.3	-279	449,000	3,768,250	8	9
143	-3517.7	-29	441,000	3,768,500	8	15
144	-3267.7	-29	441,250	3,768,500	8	15
145	-3017.7	-29	441,500	3,768,500	9	17
146	-2767.7	-29	441,750	3,768,500	10	19
147	-2517.7	-29	442,000	3,768,500	12	21
148	3482.3	-29	448,000	3,768,500	15	12
149	3732.3	-29	448,250	3,768,500	15	12
150	3982.3	-29	448,500	3,768,500	14	12
151	4232.3	-29	448,750	3,768,500	14	11
152	4482.3	-29	449,000	3,768,500	13	11
153	-3517.7	221	441,000	3,768,750	9	11
154	-3267.7	221	441,250	3,768,750	10	12
155	-3017.7	221	441,500	3,768,750	12	14
156	3482.3	221	448,000	3,768,750	11	13
157	3732.3	221	448,250	3,768,750	14	14
158	3982.3	221	448,500	3,768,750	13	13
159	4232.3	221	448,750	3,768,750	13	11
160	4482.3	221	449,000	3,768,750	12	10
161	-3517.7	471	441,000	3,769,000	12	7
162	-3267.7	471	441,250	3,769,000	15	8
163	-3017.7	471	441,500	3,769,000	18	9
164	-2767.7	471	441,750	3,769,000	22	11
165	-2517.7	471	442,000	3,769,000	26	11
166	-2267.7	471	442,250	3,769,000	25	6
167	3232.3	471	447,750	3,769,000	3	18
168	3482.3	471	448,000	3,769,000	3	16
169	3732.3	471	448,250	3,769,000	3	14
170	3982.3	471	448,500	3,769,000	4	12
171	4232.3	471	448,750	3,769,000	6	11
172	4482.3	471	449,000	3,769,000	8	9
173	-3517.7	721	441,000	3,769,250	14	6
174	-3267.7	721	441,250	3,769,250	15	6
175	-3017.7	721	441,500	3,769,250	16	6
176	-2767.7	721	441,750	3,769,250	15	5
177	-2517.7	721	442,000	3,769,250	14	4
178	-2267.7	721	442,250	3,769,250	14	7

179	2482.3	721	447,000	3,769,250	14	28
180	2732.3	721	447,250	3,769,250	11	24
181	2982.3	721	447,500	3,769,250	8	21
182	3232.3	721	447,750	3,769,250	6	18
183	3482.3	721	448,000	3,769,250	4	17
184	3732.3	721	448,250	3,769,250	3	15
185	3982.3	721	448,500	3,769,250	3	14
186	4232.3	721	448,750	3,769,250	2	12
187	4482.3	721	449,000	3,769,250	2	11
188	-3267.7	971	441,250	3,769,500	11	4
189	-3017.7	971	441,500	3,769,500	10	4
190	-2767.7	971	441,750	3,769,500	9	4
191	-2517.7	971	442,000	3,769,500	8	5
192	-2267.7	971	442,250	3,769,500	6	7
193	-2017.7	971	442,500	3,769,500	5	8
194	-1767.7	971	442,750	3,769,500	3	8
195	-1517.7	971	443,000	3,769,500	2	8
196	-1267.7	971	443,250	3,769,500	4	10
197	-1017.7	971	443,500	3,769,500	5	11
198	-767.7	971	443,750	3,769,500	8	12
199	-517.7	971	444,000	3,769,500	10	10
200	-267.7	971	444,250	3,769,500	11	8
201	-17.7	971	444,500	3,769,500	18	11
202	232.3	971	444,750	3,769,500	19	12
203	482.3	971	445,000	3,769,500	16	11
204	732.3	971	445,250	3,769,500	8	11
205	982.3	971	445,500	3,769,500	8	13
206	1232.3	971	445,750	3,769,500	14	12
207	1482.3	971	446,000	3,769,500	12	10
208	1732.3	971	446,250	3,769,500	10	11
209	1982.3	971	446,500	3,769,500	13	12
210	2232.3	971	446,750	3,769,500	15	16
211	2482.3	971	447,000	3,769,500	13	17
212	2732.3	971	447,250	3,769,500	11	17
213	2982.3	971	447,500	3,769,500	9	17
214	3232.3	971	447,750	3,769,500	7	16
215	3482.3	971	448,000	3,769,500	6	15
216	3732.3	971	448,250	3,769,500	5	14
217	-3267.7	1221	441,250	3,769,750	6	3
218	-3017.7	1221	441,500	3,769,750	5	3
219	-2767.7	1221	441,750	3,769,750	4	4
220	-2517.7	1221	442,000	3,769,750	3	5
221	-2267.7	1221	442,250	3,769,750	2	7
222	-2017.7	1221	442,500	3,769,750	2	7
223	-1767.7	1221	442,750	3,769,750	3	8

224	-1517.7	1221	443,000	3,769,750	4	9
225	-1267.7	1221	443,250	3,769,750	6	10
226	-1017.7	1221	443,500	3,769,750	8	10
227	-767.7	1221	443,750	3,769,750	8	7
228	-517.7	1221	444,000	3,769,750	8	5
229	-267.7	1221	444,250	3,769,750	10	7
230	-17.7	1221	444,500	3,769,750	15	9
231	232.3	1221	444,750	3,769,750	16	11
232	482.3	1221	445,000	3,769,750	14	9
233	732.3	1221	445,250	3,769,750	10	10
234	982.3	1221	445,500	3,769,750	8	10
235	1232.3	1221	445,750	3,769,750	10	10
236	1482.3	1221	446,000	3,769,750	10	8
237	1732.3	1221	446,250	3,769,750	8	9
238	1982.3	1221	446,500	3,769,750	5	10
239	2232.3	1221	446,750	3,769,750	12	14
240	2482.3	1221	447,000	3,769,750	12	13
241	2732.3	1221	447,250	3,769,750	10	10
242	2982.3	1221	447,500	3,769,750	9	11
243	3232.3	1221	447,750	3,769,750	7	12
244	3482.3	1221	448,000	3,769,750	6	12
245	3732.3	1221	448,250	3,769,750	6	12
246	-2828.12	251.91	441,690	3,768,781	15	15
247	-2793.79	238.18	441,724	3,768,767	15	15
248	-2786.92	330.88	441,731	3,768,860	19	12
249	-2550.03	325.73	441,968	3,768,855	25	15
250	-2503.68	329.16	442,014	3,768,858	27	16
251	-2414.42	346.32	442,103	3,768,875	31	16
252	-2290.83	348.04	442,227	3,768,877	36	17
253	-2175.82	342.89	442,342	3,768,872	40	17
254	-2186.12	456.19	442,332	3,768,985	26	6
255	-2270.23	469.92	442,248	3,768,999	25	6
256	-2201.57	517.98	442,316	3,769,047	20	5
257	-2141.49	590.08	442,376	3,769,119	17	8
258	-2043.64	645.01	442,474	3,769,174	16	11
259	-1962.96	658.74	442,555	3,769,188	15	10
260	-1820.49	650.16	442,697	3,769,179	15	11
261	-1509.79	658.74	443,008	3,769,188	12	10
262	-1123.56	672.47	443,394	3,769,201	8	10
263	-915.85	655.31	443,602	3,769,184	6	12
264	-809.43	657.02	443,708	3,769,186	6	12
265	-579.4	686.21	443,938	3,769,215	6	11
266	-291.02	694.79	444,227	3,769,224	10	13
267	-9.5	711.95	444,508	3,769,241	23	13
268	373.29	710.24	444,891	3,769,239	22	13

269	718.33	717.1	445,236	3,769,246	4	18
270	1056.49	735.99	445,574	3,769,265	4	23
271	1516.53	761.74	446,034	3,769,291	12	12
272	1949.11	777.18	446,467	3,769,306	15	21
273	2330.19	784.05	446,848	3,769,313	19	28
274	2359.37	615.83	446,877	3,769,145	22	38
275	2692.39	614.11	447,210	3,769,143	10	25
276	2809.11	588.36	447,327	3,769,117	8	24
277	2932.71	514.55	447,450	3,769,043	6	21
278	2967.04	488.8	447,485	3,769,018	5	21
279	3083.77	346.32	447,602	3,768,875	4	18
280	3112.95	202.13	447,631	3,768,731	8	16
281	3291.47	195.27	447,809	3,768,724	10	15
282	3286.32	-86.25	447,804	3,768,443	15	11
283	3279.46	-278.51	447,797	3,768,250	12	11
284	3274.31	-415.83	447,792	3,768,113	9	7
285	3303.49	-536	447,821	3,767,993	11	7
286	3391.03	-656.16	447,909	3,767,873	13	9
287	3495.74	-699.07	448,013	3,767,830	13	9
288	3595.31	-700.79	448,113	3,767,828	13	9
289	3560.97	-860.43	448,079	3,767,668	22	18
290	3339.54	-867.29	447,857	3,767,662	23	21
291	3131.83	-867.29	447,650	3,767,662	22	24
292	3102.65	-841.55	447,620	3,767,687	19	21
293	3104.36	-702.5	447,622	3,767,826	14	15
294	3106.08	-542.86	447,624	3,767,986	12	8
295	2886.36	-536	447,404	3,767,993	14	9
296	2869.19	-475.91	447,387	3,768,053	13	8
297	2634.02	-477.63	447,152	3,768,051	16	12
298	2355.94	-472.48	446,874	3,768,056	32	43
299	1974.86	-467.33	446,493	3,768,061	(1)	44
300	1509.67	-455.32	446,027	3,768,074	36	80
301	1092.54	-455.32	445,610	3,768,074	36	80
302	733.78	-450.17	445,252	3,768,079	38	75
303	735.49	-683.62	445,253	3,767,845	22	42
304	728.63	-856.99	445,246	3,767,672	56	60
305	469.42	-853.56	444,987	3,767,675	44	50
306	110.66	-839.83	444,628	3,767,689	23	40
307	110.66	-1020.07	444,628	3,767,509	12	28
308	-138.24	-935.96	444,380	3,767,593	13	29
309	-397.45	-829.53	444,120	3,767,699	13	26
310	-646.35	-724.82	443,871	3,767,804	18	25
311	-914.14	-620.11	443,604	3,767,909	39	29
312	-1274.62	-465.62	443,243	3,768,063	15	14
313	-1659.13	-307.69	442,859	3,768,221	9	14

314	-1880.57	-216.71	442,637	3,768,312	13	17
315	-2211.87	-87.97	442,306	3,768,441	16	20
316	-2512.27	42.49	442,005	3,768,571	13	22
317	-2622.13	87.12	441,896	3,768,616	13	21
318	-2737.14	128.32	441,781	3,768,657	13	19
319	-2833.27	169.52	441,684	3,768,698	13	17

1-Hour NO2 Concentrations (µg/m^3) from Operational Activities - Project Compared to Baseline

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-2017.7	-1529	442,500	3,767,000	79	105
2	-1767.7	-1529	442,750	3,767,000	82	103
3	-1517.7	-1529	443,000	3,767,000	94	114
4	-1267.7	-1529	443,250	3,767,000	110	126
5	-1017.7	-1529	443,500	3,767,000	116	129
6	-767.7	-1529	443,750	3,767,000	113	122
7	-517.7	-1529	444,000	3,767,000	111	115
8	-267.7	-1529	444,250	3,767,000	101	104
9	-17.7	-1529	444,500	3,767,000	92	94
10	232.3	-1529	444,750	3,767,000	87	91
11	482.3	-1529	445,000	3,767,000	86	86
12	732.3	-1529	445,250	3,767,000	74	83
13	982.3	-1529	445,500	3,767,000	66	91
14	1232.3	-1529	445,750	3,767,000	73	100
15	1482.3	-1529	446,000	3,767,000	91	111
16	1732.3	-1529	446,250	3,767,000	75	95
17	1982.3	-1529	446,500	3,767,000	68	73
18	2232.3	-1529	446,750	3,767,000	77	91
19	2482.3	-1529	447,000	3,767,000	97	102
20	2732.3	-1529	447,250	3,767,000	102	107
21	2982.3	-1529	447,500	3,767,000	100	105
22	3232.3	-1529	447,750	3,767,000	104	109
23	3482.3	-1529	448,000	3,767,000	108	112
24	3732.3	-1529	448,250	3,767,000	112	116
25	3982.3	-1529	448,500	3,767,000	110	119
26	4232.3	-1529	448,750	3,767,000	103	121
27	4482.3	-1529	449,000	3,767,000	98	114
28	-2017.7	-1279	442,500	3,767,250	77	109
29	-1767.7	-1279	442,750	3,767,250	76	105
30	-1517.7	-1279	443,000	3,767,250	78	101
31	-1267.7	-1279	443,250	3,767,250	83	102
32	-1017.7	-1279	443,500	3,767,250	94	112
33	-767.7	-1279	443,750	3,767,250	107	123
34	-517.7	-1279	444,000	3,767,250	106	120
35	-267.7	-1279	444,250	3,767,250	104	115
36	-17.7	-1279	444,500	3,767,250	97	102
37	232.3	-1279	444,750	3,767,250	88	94
38	482.3	-1279	445,000	3,767,250	85	92
39	732.3	-1279	445,250	3,767,250	87	88
40	982.3	-1279	445,500	3,767,250	69	101
41	1232.3	-1279	445,750	3,767,250	73	130
42	1482.3	-1279	446,000	3,767,250	87	116
43	1732.3	-1279	446,250	3,767,250	74	102

44	1982.3	-1279	446,500	3,767,250	75	81
45	2232.3	-1279	446,750	3,767,250	96	97
46	2482.3	-1279	447,000	3,767,250	102	102
47	2732.3	-1279	447,250	3,767,250	98	101
48	2982.3	-1279	447,500	3,767,250	101	102
49	3232.3	-1279	447,750	3,767,250	103	106
50	3482.3	-1279	448,000	3,767,250	104	108
51	3732.3	-1279	448,250	3,767,250	106	117
52	3982.3	-1279	448,500	3,767,250	99	119
53	4232.3	-1279	448,750	3,767,250	98	118
54	4482.3	-1279	449,000	3,767,250	95	113
55	-2017.7	-1029	442,500	3,767,500	102	116
56	-1767.7	-1029	442,750	3,767,500	90	110
57	-1517.7	-1029	443,000	3,767,500	79	103
58	-1267.7	-1029	443,250	3,767,500	79	99
59	-1017.7	-1029	443,500	3,767,500	85	98
60	-767.7	-1029	443,750	3,767,500	89	104
61	-517.7	-1029	444,000	3,767,500	92	111
62	-267.7	-1029	444,250	3,767,500	100	119
63	-17.7	-1029	444,500	3,767,500	98	115
64	232.3	-1029	444,750	3,767,500	100	106
65	482.3	-1029	445,000	3,767,500	95	96
66	732.3	-1029	445,250	3,767,500	92	96
67	982.3	-1029	445,500	3,767,500	81	112
68	1232.3	-1029	445,750	3,767,500	51	141
69	1482.3	-1029	446,000	3,767,500	109	152
70	1732.3	-1029	446,250	3,767,500	80	131
71	1982.3	-1029	446,500	3,767,500	71	92
72	2232.3	-1029	446,750	3,767,500	101	112
73	2482.3	-1029	447,000	3,767,500	105	123
74	2732.3	-1029	447,250	3,767,500	109	128
75	2982.3	-1029	447,500	3,767,500	102	109
76	3232.3	-1029	447,750	3,767,500	99	104
77	3482.3	-1029	448,000	3,767,500	101	117
78	3732.3	-1029	448,250	3,767,500	98	116
79	3982.3	-1029	448,500	3,767,500	98	115
80	4232.3	-1029	448,750	3,767,500	99	107
81	4482.3	-1029	449,000	3,767,500	102	98
82	-3017.7	-779	441,500	3,767,750	121	115
83	-2767.7	-779	441,750	3,767,750	119	112
84	-2517.7	-779	442,000	3,767,750	118	110
85	-2267.7	-779	442,250	3,767,750	118	112
86	-2017.7	-779	442,500	3,767,750	119	116
87	-1767.7	-779	442,750	3,767,750	115	118
88	-1517.7	-779	443,000	3,767,750	106	111

89	-1267.7	-779	443,250	3,767,750	95	111
90	-1017.7	-779	443,500	3,767,750	87	117
91	-767.7	-779	443,750	3,767,750	86	121
92	-517.7	-779	444,000	3,767,750	90	120
93	732.3	-779	445,250	3,767,750	137	126
94	982.3	-779	445,500	3,767,750	119	108
95	1232.3	-779	445,750	3,767,750	50	148
96	1482.3	-779	446,000	3,767,750	96	179
97	1732.3	-779	446,250	3,767,750	79	148
98	1982.3	-779	446,500	3,767,750	82	134
99	2232.3	-779	446,750	3,767,750	150	177
100	2482.3	-779	447,000	3,767,750	151	176
101	2732.3	-779	447,250	3,767,750	110	127
102	2982.3	-779	447,500	3,767,750	99	109
103	3732.3	-779	448,250	3,767,750	94	100
104	3982.3	-779	448,500	3,767,750	98	91
105	4232.3	-779	448,750	3,767,750	103	97
106	4482.3	-779	449,000	3,767,750	106	103
107	-3517.7	-529	441,000	3,768,000	119	135
108	-3267.7	-529	441,250	3,768,000	118	129
109	-3017.7	-529	441,500	3,768,000	115	122
110	-2767.7	-529	441,750	3,768,000	110	113
111	-2517.7	-529	442,000	3,768,000	105	107
112	-2267.7	-529	442,250	3,768,000	108	106
113	-2017.7	-529	442,500	3,768,000	116	107
114	-1767.7	-529	442,750	3,768,000	122	110
115	-1517.7	-529	443,000	3,768,000	127	113
116	-1267.7	-529	443,250	3,768,000	131	112
117	732.3	-529	445,250	3,768,000	188	226
118	982.3	-529	445,500	3,768,000	176	169
119	1232.3	-529	445,750	3,768,000	141	151
120	1482.3	-529	446,000	3,768,000	55	219
121	1732.3	-529	446,250	3,768,000	74	178
122	1982.3	-529	446,500	3,768,000	199	243
123	2232.3	-529	446,750	3,768,000	216	253
124	2482.3	-529	447,000	3,768,000	128	162
125	2732.3	-529	447,250	3,768,000	93	99
126	3482.3	-529	448,000	3,768,000	93	93
127	3732.3	-529	448,250	3,768,000	101	101
128	3982.3	-529	448,500	3,768,000	111	110
129	4232.3	-529	448,750	3,768,000	110	108
130	4482.3	-529	449,000	3,768,000	110	106
131	-3517.7	-279	441,000	3,768,250	99	127
132	-3267.7	-279	441,250	3,768,250	98	123
133	-3017.7	-279	441,500	3,768,250	99	120

134	-2767.7	-279	441,750	3,768,250	97	125
135	-2517.7	-279	442,000	3,768,250	99	137
136	-2267.7	-279	442,250	3,768,250	101	155
137	-2017.7	-279	442,500	3,768,250	106	156
138	3482.3	-279	448,000	3,768,250	102	86
139	3732.3	-279	448,250	3,768,250	102	85
140	3982.3	-279	448,500	3,768,250	102	84
141	4232.3	-279	448,750	3,768,250	104	84
142	4482.3	-279	449,000	3,768,250	105	84
143	-3517.7	-29	441,000	3,768,500	80	103
144	-3267.7	-29	441,250	3,768,500	78	99
145	-3017.7	-29	441,500	3,768,500	75	93
146	-2767.7	-29	441,750	3,768,500	72	86
147	-2517.7	-29	442,000	3,768,500	69	92
148	3482.3	-29	448,000	3,768,500	96	89
149	3732.3	-29	448,250	3,768,500	97	90
150	3982.3	-29	448,500	3,768,500	98	92
151	4232.3	-29	448,750	3,768,500	100	94
152	4482.3	-29	449,000	3,768,500	100	95
153	-3517.7	221	441,000	3,768,750	72	90
154	-3267.7	221	441,250	3,768,750	71	88
155	-3017.7	221	441,500	3,768,750	70	86
156	3482.3	221	448,000	3,768,750	93	100
157	3732.3	221	448,250	3,768,750	92	100
158	3982.3	221	448,500	3,768,750	89	101
159	4232.3	221	448,750	3,768,750	89	101
160	4482.3	221	449,000	3,768,750	90	100
161	-3517.7	471	441,000	3,769,000	79	91
162	-3267.7	471	441,250	3,769,000	84	88
163	-3017.7	471	441,500	3,769,000	88	86
164	-2767.7	471	441,750	3,769,000	90	85
165	-2517.7	471	442,000	3,769,000	88	83
166	-2267.7	471	442,250	3,769,000	81	80
167	3232.3	471	447,750	3,769,000	89	101
168	3482.3	471	448,000	3,769,000	89	100
169	3732.3	471	448,250	3,769,000	89	97
170	3982.3	471	448,500	3,769,000	87	95
171	4232.3	471	448,750	3,769,000	90	98
172	4482.3	471	449,000	3,769,000	92	100
173	-3517.7	721	441,000	3,769,250	87	86
174	-3267.7	721	441,250	3,769,250	87	84
175	-3017.7	721	441,500	3,769,250	87	83
176	-2767.7	721	441,750	3,769,250	85	82
177	-2517.7	721	442,000	3,769,250	83	81
178	-2267.7	721	442,250	3,769,250	82	80

179	2482.3	721	447,000	3,769,250	112	125
180	2732.3	721	447,250	3,769,250	105	122
181	2982.3	721	447,500	3,769,250	95	101
182	3232.3	721	447,750	3,769,250	86	97
183	3482.3	721	448,000	3,769,250	82	100
184	3732.3	721	448,250	3,769,250	87	103
185	3982.3	721	448,500	3,769,250	94	108
186	4232.3	721	448,750	3,769,250	95	105
187	4482.3	721	449,000	3,769,250	91	96
188	-3267.7	971	441,250	3,769,500	92	86
189	-3017.7	971	441,500	3,769,500	90	86
190	-2767.7	971	441,750	3,769,500	89	87
191	-2517.7	971	442,000	3,769,500	88	88
192	-2267.7	971	442,250	3,769,500	88	89
193	-2017.7	971	442,500	3,769,500	88	91
194	-1767.7	971	442,750	3,769,500	89	93
195	-1517.7	971	443,000	3,769,500	91	96
196	-1267.7	971	443,250	3,769,500	94	103
197	-1017.7	971	443,500	3,769,500	96	103
198	-767.7	971	443,750	3,769,500	92	99
199	-517.7	971	444,000	3,769,500	92	99
200	-267.7	971	444,250	3,769,500	94	100
201	-17.7	971	444,500	3,769,500	98	109
202	232.3	971	444,750	3,769,500	109	121
203	482.3	971	445,000	3,769,500	110	121
204	732.3	971	445,250	3,769,500	96	106
205	982.3	971	445,500	3,769,500	88	81
206	1232.3	971	445,750	3,769,500	100	91
207	1482.3	971	446,000	3,769,500	85	84
208	1732.3	971	446,250	3,769,500	85	87
209	1982.3	971	446,500	3,769,500	108	114
210	2232.3	971	446,750	3,769,500	86	105
211	2482.3	971	447,000	3,769,500	95	100
212	2732.3	971	447,250	3,769,500	122	119
213	2982.3	971	447,500	3,769,500	118	106
214	3232.3	971	447,750	3,769,500	107	103
215	3482.3	971	448,000	3,769,500	94	102
216	3732.3	971	448,250	3,769,500	85	103
217	-3267.7	1221	441,250	3,769,750	99	96
218	-3017.7	1221	441,500	3,769,750	99	99
219	-2767.7	1221	441,750	3,769,750	99	101
220	-2517.7	1221	442,000	3,769,750	98	103
221	-2267.7	1221	442,250	3,769,750	98	104
222	-2017.7	1221	442,500	3,769,750	93	99
223	-1767.7	1221	442,750	3,769,750	92	104

224	-1517.7	1221	443,000	3,769,750	97	108
225	-1267.7	1221	443,250	3,769,750	99	108
226	-1017.7	1221	443,500	3,769,750	99	108
227	-767.7	1221	443,750	3,769,750	101	109
228	-517.7	1221	444,000	3,769,750	105	111
229	-267.7	1221	444,250	3,769,750	108	125
230	-17.7	1221	444,500	3,769,750	112	127
231	232.3	1221	444,750	3,769,750	115	128
232	482.3	1221	445,000	3,769,750	104	112
233	732.3	1221	445,250	3,769,750	97	84
234	982.3	1221	445,500	3,769,750	92	85
235	1232.3	1221	445,750	3,769,750	104	95
236	1482.3	1221	446,000	3,769,750	76	81
237	1732.3	1221	446,250	3,769,750	79	86
238	1982.3	1221	446,500	3,769,750	104	115
239	2232.3	1221	446,750	3,769,750	102	122
240	2482.3	1221	447,000	3,769,750	86	104
241	2732.3	1221	447,250	3,769,750	95	107
242	2982.3	1221	447,500	3,769,750	125	128
243	3232.3	1221	447,750	3,769,750	136	129
244	3482.3	1221	448,000	3,769,750	124	119
245	3732.3	1221	448,250	3,769,750	110	113
246	-2828.12	251.91	441,690	3,768,781	71	87
247	-2793.79	238.18	441,724	3,768,767	69	85
248	-2786.92	330.88	441,731	3,768,860	87	92
249	-2550.03	325.73	441,968	3,768,855	93	92
250	-2503.68	329.16	442,014	3,768,858	94	92
251	-2414.42	346.32	442,103	3,768,875	94	89
252	-2290.83	348.04	442,227	3,768,877	92	86
253	-2175.82	342.89	442,342	3,768,872	91	83
254	-2186.12	456.19	442,332	3,768,985	78	78
255	-2270.23	469.92	442,248	3,768,999	82	80
256	-2201.57	517.98	442,316	3,769,047	77	78
257	-2141.49	590.08	442,376	3,769,119	79	79
258	-2043.64	645.01	442,474	3,769,174	79	79
259	-1962.96	658.74	442,555	3,769,188	79	79
260	-1820.49	650.16	442,697	3,769,179	79	78
261	-1509.79	658.74	443,008	3,769,188	79	79
262	-1123.56	672.47	443,394	3,769,201	80	81
263	-915.85	655.31	443,602	3,769,184	80	81
264	-809.43	657.02	443,708	3,769,186	81	82
265	-579.4	686.21	443,938	3,769,215	84	86
266	-291.02	694.79	444,227	3,769,224	87	92
267	-9.5	711.95	444,508	3,769,241	87	89
268	373.29	710.24	444,891	3,769,239	93	102

269	718.33	717.1	445,236	3,769,246	105	111
270	1056.49	735.99	445,574	3,769,265	100	93
271	1516.53	761.74	446,034	3,769,291	89	89
272	1949.11	777.18	446,467	3,769,306	104	131
273	2330.19	784.05	446,848	3,769,313	98	99
274	2359.37	615.83	446,877	3,769,145	110	151
275	2692.39	614.11	447,210	3,769,143	99	133
276	2809.11	588.36	447,327	3,769,117	93	116
277	2932.71	514.55	447,450	3,769,043	87	94
278	2967.04	488.8	447,485	3,769,018	86	93
279	3083.77	346.32	447,602	3,768,875	90	98
280	3112.95	202.13	447,631	3,768,731	94	100
281	3291.47	195.27	447,809	3,768,724	93	100
282	3286.32	-86.25	447,804	3,768,443	97	86
283	3279.46	-278.51	447,797	3,768,250	101	88
284	3274.31	-415.83	447,792	3,768,113	101	95
285	3303.49	-536	447,821	3,767,993	89	91
286	3391.03	-656.16	447,909	3,767,873	89	98
287	3495.74	-699.07	448,013	3,767,830	91	99
288	3595.31	-700.79	448,113	3,767,828	92	97
289	3560.97	-860.43	448,079	3,767,668	95	110
290	3339.54	-867.29	447,857	3,767,662	100	113
291	3131.83	-867.29	447,650	3,767,662	103	113
292	3102.65	-841.55	447,620	3,767,687	101	112
293	3104.36	-702.5	447,622	3,767,826	95	106
294	3106.08	-542.86	447,624	3,767,986	84	96
295	2886.36	-536	447,404	3,767,993	89	98
296	2869.19	-475.91	447,387	3,768,053	85	95
297	2634.02	-477.63	447,152	3,768,051	92	96
298	2355.94	-472.48	446,874	3,768,056	159	192
299	1974.86	-467.33	446,493	3,768,061	238	292
300	1509.67	-455.32	446,027	3,768,074	57	243
301	1092.54	-455.32	445,610	3,768,074	187	183
302	733.78	-450.17	445,252	3,768,079	183	239
303	735.49	-683.62	445,253	3,767,845	161	156
304	728.63	-856.99	445,246	3,767,672	132	122
305	469.42	-853.56	444,987	3,767,675	130	124
306	110.66	-839.83	444,628	3,767,689	113	141
307	110.66	-1020.07	444,628	3,767,509	101	111
308	-138.24	-935.96	444,380	3,767,593	96	122
309	-397.45	-829.53	444,120	3,767,699	91	106
310	-646.35	-724.82	443,871	3,767,804	88	131
311	-914.14	-620.11	443,604	3,767,909	111	139
312	-1274.62	-465.62	443,243	3,768,063	136	129
313	-1659.13	-307.69	442,859	3,768,221	171	182

314	-1880.57	-216.71	442,637	3,768,312	125	193
315	-2211.87	-87.97	442,306	3,768,441	87	136
316	-2512.27	42.49	442,005	3,768,571	63	77
317	-2622.13	87.12	441,896	3,768,616	61	76
318	-2737.14	128.32	441,781	3,768,657	62	79
319	-2833.27	169.52	441,684	3,768,698	64	81

Annual NO2 Concentrations (µg/m^3) from Operational Activities - Project Compared to Baseline

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-2017.7	-1529	442,500	3,767,000	0.4	0.9
2	-1767.7	-1529	442,750	3,767,000	0.5	1.0
3	-1517.7	-1529	443,000	3,767,000	0.6	1.1
4	-1267.7	-1529	443,250	3,767,000	0.6	1.3
5	-1017.7	-1529	443,500	3,767,000	0.8	1.4
6	-767.7	-1529	443,750	3,767,000	0.8	1.6
7	-517.7	-1529	444,000	3,767,000	0.9	1.8
8	-267.7	-1529	444,250	3,767,000	0.9	1.9
9	-17.7	-1529	444,500	3,767,000	1.0	2.0
10	232.3	-1529	444,750	3,767,000	1.0	2.1
11	482.3	-1529	445,000	3,767,000	1.0	2.1
12	732.3	-1529	445,250	3,767,000	1.1	2.0
13	982.3	-1529	445,500	3,767,000	0.9	1.8
14	1232.3	-1529	445,750	3,767,000	0.9	1.6
15	1482.3	-1529	446,000	3,767,000	0.8	1.5
16	1732.3	-1529	446,250	3,767,000	0.8	1.3
17	1982.3	-1529	446,500	3,767,000	0.7	1.1
18	2232.3	-1529	446,750	3,767,000	0.6	1.0
19	2482.3	-1529	447,000	3,767,000	0.5	0.8
20	2732.3	-1529	447,250	3,767,000	0.4	0.7
21	2982.3	-1529	447,500	3,767,000	0.3	0.6
22	3232.3	-1529	447,750	3,767,000	0.3	0.5
23	3482.3	-1529	448,000	3,767,000	0.3	0.5
24	3732.3	-1529	448,250	3,767,000	0.2	0.5
25	3982.3	-1529	448,500	3,767,000	0.2	0.4
26	4232.3	-1529	448,750	3,767,000	0.2	0.4
27	4482.3	-1529	449,000	3,767,000	0.2	0.4
28	-2017.7	-1279	442,500	3,767,250	0.5	0.9
29	-1767.7	-1279	442,750	3,767,250	0.5	1.0
30	-1517.7	-1279	443,000	3,767,250	0.6	1.2
31	-1267.7	-1279	443,250	3,767,250	0.7	1.4
32	-1017.7	-1279	443,500	3,767,250	0.8	1.6
33	-767.7	-1279	443,750	3,767,250	0.9	1.8
34	-517.7	-1279	444,000	3,767,250	1.0	2.0
35	-267.7	-1279	444,250	3,767,250	1.1	2.2
36	-17.7	-1279	444,500	3,767,250	1.2	2.4
37	232.3	-1279	444,750	3,767,250	1.2	2.5
38	482.3	-1279	445,000	3,767,250	1.3	2.6
39	732.3	-1279	445,250	3,767,250	1.3	2.6
40	982.3	-1279	445,500	3,767,250	1.2	2.4
41	1232.3	-1279	445,750	3,767,250	1.1	2.1
42	1482.3	-1279	446,000	3,767,250	1.0	1.8
43	1732.3	-1279	446,250	3,767,250	0.9	1.6

44	1982.3	-1279	446,500	3,767,250	0.8	1.4
45	2232.3	-1279	446,750	3,767,250	0.7	1.1
46	2482.3	-1279	447,000	3,767,250	0.5	0.9
47	2732.3	-1279	447,250	3,767,250	0.4	0.8
48	2982.3	-1279	447,500	3,767,250	0.4	0.7
49	3232.3	-1279	447,750	3,767,250	0.3	0.6
50	3482.3	-1279	448,000	3,767,250	0.3	0.6
51	3732.3	-1279	448,250	3,767,250	0.3	0.5
52	3982.3	-1279	448,500	3,767,250	0.3	0.5
53	4232.3	-1279	448,750	3,767,250	0.3	0.5
54	4482.3	-1279	449,000	3,767,250	0.2	0.4
55	-2017.7	-1029	442,500	3,767,500	0.5	1.0
56	-1767.7	-1029	442,750	3,767,500	0.5	1.1
57	-1517.7	-1029	443,000	3,767,500	0.6	1.3
58	-1267.7	-1029	443,250	3,767,500	0.8	1.5
59	-1017.7	-1029	443,500	3,767,500	0.9	1.7
60	-767.7	-1029	443,750	3,767,500	1.1	2.0
61	-517.7	-1029	444,000	3,767,500	1.2	2.3
62	-267.7	-1029	444,250	3,767,500	1.3	2.6
63	-17.7	-1029	444,500	3,767,500	1.4	2.9
64	232.3	-1029	444,750	3,767,500	1.5	3.0
65	482.3	-1029	445,000	3,767,500	1.6	3.2
66	732.3	-1029	445,250	3,767,500	1.8	3.4
67	982.3	-1029	445,500	3,767,500	1.7	3.3
68	1232.3	-1029	445,750	3,767,500	1.5	2.9
69	1482.3	-1029	446,000	3,767,500	1.4	2.4
70	1732.3	-1029	446,250	3,767,500	1.2	2.0
71	1982.3	-1029	446,500	3,767,500	1.0	1.6
72	2232.3	-1029	446,750	3,767,500	0.8	1.3
73	2482.3	-1029	447,000	3,767,500	0.6	1.0
74	2732.3	-1029	447,250	3,767,500	0.5	0.9
75	2982.3	-1029	447,500	3,767,500	0.4	0.8
76	3232.3	-1029	447,750	3,767,500	0.4	0.7
77	3482.3	-1029	448,000	3,767,500	0.4	0.7
78	3732.3	-1029	448,250	3,767,500	0.4	0.6
79	3982.3	-1029	448,500	3,767,500	0.4	0.6
80	4232.3	-1029	448,750	3,767,500	0.3	0.5
81	4482.3	-1029	449,000	3,767,500	0.3	0.5
82	-3017.7	-779	441,500	3,767,750	0.3	0.5
83	-2767.7	-779	441,750	3,767,750	0.3	0.6
84	-2517.7	-779	442,000	3,767,750	0.4	0.8
85	-2267.7	-779	442,250	3,767,750	0.5	0.9
86	-2017.7	-779	442,500	3,767,750	0.6	1.0
87	-1767.7	-779	442,750	3,767,750	0.6	1.2
88	-1517.7	-779	443,000	3,767,750	0.7	1.4

89	-1267.7	-779	443,250	3,767,750	0.9	1.6
90	-1017.7	-779	443,500	3,767,750	1.1	2.0
91	-767.7	-779	443,750	3,767,750	1.3	2.4
92	-517.7	-779	444,000	3,767,750	1.5	2.8
93	732.3	-779	445,250	3,767,750	2.3	4.4
94	982.3	-779	445,500	3,767,750	2.4	4.5
95	1232.3	-779	445,750	3,767,750	2.2	4.3
96	1482.3	-779	446,000	3,767,750	1.9	3.5
97	1732.3	-779	446,250	3,767,750	1.6	2.7
98	1982.3	-779	446,500	3,767,750	1.2	2.0
99	2232.3	-779	446,750	3,767,750	0.9	1.5
100	2482.3	-779	447,000	3,767,750	0.8	1.3
101	2732.3	-779	447,250	3,767,750	0.6	1.1
102	2982.3	-779	447,500	3,767,750	0.6	1.0
103	3732.3	-779	448,250	3,767,750	0.5	0.7
104	3982.3	-779	448,500	3,767,750	0.5	0.7
105	4232.3	-779	448,750	3,767,750	0.4	0.6
106	4482.3	-779	449,000	3,767,750	0.4	0.6
107	-3517.7	-529	441,000	3,768,000	0.2	0.4
108	-3267.7	-529	441,250	3,768,000	0.3	0.4
109	-3017.7	-529	441,500	3,768,000	0.3	0.5
110	-2767.7	-529	441,750	3,768,000	0.3	0.6
111	-2517.7	-529	442,000	3,768,000	0.4	0.7
112	-2267.7	-529	442,250	3,768,000	0.5	0.9
113	-2017.7	-529	442,500	3,768,000	0.6	1.1
114	-1767.7	-529	442,750	3,768,000	0.8	1.3
115	-1517.7	-529	443,000	3,768,000	0.9	1.6
116	-1267.7	-529	443,250	3,768,000	1.1	1.9
117	732.3	-529	445,250	3,768,000	3.0	5.8
118	982.3	-529	445,500	3,768,000	3.2	6.1
119	1232.3	-529	445,750	3,768,000	3.2	6.2
120	1482.3	-529	446,000	3,768,000	3.0	5.7
121	1732.3	-529	446,250	3,768,000	2.2	3.9
122	1982.3	-529	446,500	3,768,000	1.5	2.7
123	2232.3	-529	446,750	3,768,000	1.1	2.0
124	2482.3	-529	447,000	3,768,000	1.0	1.6
125	2732.3	-529	447,250	3,768,000	0.9	1.4
126	3482.3	-529	448,000	3,768,000	0.6	1.0
127	3732.3	-529	448,250	3,768,000	0.6	0.9
128	3982.3	-529	448,500	3,768,000	0.5	0.8
129	4232.3	-529	448,750	3,768,000	0.5	0.7
130	4482.3	-529	449,000	3,768,000	0.4	0.7
131	-3517.7	-279	441,000	3,768,250	0.2	0.4
132	-3267.7	-279	441,250	3,768,250	0.3	0.4
133	-3017.7	-279	441,500	3,768,250	0.3	0.5

134	-2767.7	-279	441,750	3,768,250	0.4	0.6
135	-2517.7	-279	442,000	3,768,250	0.4	0.7
136	-2267.7	-279	442,250	3,768,250	0.6	1.0
137	-2017.7	-279	442,500	3,768,250	0.7	1.2
138	3482.3	-279	448,000	3,768,250	0.9	1.3
139	3732.3	-279	448,250	3,768,250	0.8	1.2
140	3982.3	-279	448,500	3,768,250	0.7	1.0
141	4232.3	-279	448,750	3,768,250	0.6	0.9
142	4482.3	-279	449,000	3,768,250	0.6	0.8
143	-3517.7	-29	441,000	3,768,500	0.3	0.4
144	-3267.7	-29	441,250	3,768,500	0.3	0.4
145	-3017.7	-29	441,500	3,768,500	0.3	0.5
146	-2767.7	-29	441,750	3,768,500	0.4	0.5
147	-2517.7	-29	442,000	3,768,500	0.4	0.7
148	3482.3	-29	448,000	3,768,500	1.3	1.9
149	3732.3	-29	448,250	3,768,500	1.1	1.6
150	3982.3	-29	448,500	3,768,500	0.9	1.4
151	4232.3	-29	448,750	3,768,500	0.8	1.2
152	4482.3	-29	449,000	3,768,500	0.7	1.1
153	-3517.7	221	441,000	3,768,750	0.2	0.4
154	-3267.7	221	441,250	3,768,750	0.2	0.4
155	-3017.7	221	441,500	3,768,750	0.3	0.4
156	3482.3	221	448,000	3,768,750	1.7	2.6
157	3732.3	221	448,250	3,768,750	1.4	2.2
158	3982.3	221	448,500	3,768,750	1.2	1.8
159	4232.3	221	448,750	3,768,750	1.0	1.6
160	4482.3	221	449,000	3,768,750	0.9	1.4
161	-3517.7	471	441,000	3,769,000	0.2	0.3
162	-3267.7	471	441,250	3,769,000	0.2	0.4
163	-3017.7	471	441,500	3,769,000	0.2	0.4
164	-2767.7	471	441,750	3,769,000	0.2	0.5
165	-2517.7	471	442,000	3,769,000	0.3	0.5
166	-2267.7	471	442,250	3,769,000	0.3	0.6
167	3232.3	471	447,750	3,769,000	2.3	3.7
168	3482.3	471	448,000	3,769,000	1.9	3.1
169	3732.3	471	448,250	3,769,000	1.6	2.6
170	3982.3	471	448,500	3,769,000	1.4	2.2
171	4232.3	471	448,750	3,769,000	1.2	1.9
172	4482.3	471	449,000	3,769,000	1.0	1.6
173	-3517.7	721	441,000	3,769,250	0.2	0.3
174	-3267.7	721	441,250	3,769,250	0.2	0.3
175	-3017.7	721	441,500	3,769,250	0.2	0.4
176	-2767.7	721	441,750	3,769,250	0.2	0.4
177	-2517.7	721	442,000	3,769,250	0.2	0.4
178	-2267.7	721	442,250	3,769,250	0.2	0.5

179	2482.3	721	447,000	3,769,250	2.6	4.3
180	2732.3	721	447,250	3,769,250	2.5	4.1
181	2982.3	721	447,500	3,769,250	2.3	3.8
182	3232.3	721	447,750	3,769,250	2.1	3.5
183	3482.3	721	448,000	3,769,250	1.9	3.1
184	3732.3	721	448,250	3,769,250	1.7	2.7
185	3982.3	721	448,500	3,769,250	1.5	2.3
186	4232.3	721	448,750	3,769,250	1.3	2.0
187	4482.3	721	449,000	3,769,250	1.1	1.8
188	-3267.7	971	441,250	3,769,500	0.2	0.3
189	-3017.7	971	441,500	3,769,500	0.2	0.3
190	-2767.7	971	441,750	3,769,500	0.2	0.4
191	-2517.7	971	442,000	3,769,500	0.2	0.4
192	-2267.7	971	442,250	3,769,500	0.2	0.4
193	-2017.7	971	442,500	3,769,500	0.2	0.5
194	-1767.7	971	442,750	3,769,500	0.2	0.5
195	-1517.7	971	443,000	3,769,500	0.3	0.6
196	-1267.7	971	443,250	3,769,500	0.3	0.6
197	-1017.7	971	443,500	3,769,500	0.4	0.7
198	-767.7	971	443,750	3,769,500	0.5	0.8
199	-517.7	971	444,000	3,769,500	0.5	0.9
200	-267.7	971	444,250	3,769,500	0.6	1.1
201	-17.7	971	444,500	3,769,500	0.7	1.2
202	232.3	971	444,750	3,769,500	0.8	1.3
203	482.3	971	445,000	3,769,500	0.8	1.5
204	732.3	971	445,250	3,769,500	0.9	1.6
205	982.3	971	445,500	3,769,500	1.0	1.8
206	1232.3	971	445,750	3,769,500	1.1	2.0
207	1482.3	971	446,000	3,769,500	1.2	2.2
208	1732.3	971	446,250	3,769,500	1.3	2.4
209	1982.3	971	446,500	3,769,500	1.5	2.6
210	2232.3	971	446,750	3,769,500	1.6	2.8
211	2482.3	971	447,000	3,769,500	1.8	3.0
212	2732.3	971	447,250	3,769,500	1.8	3.0
213	2982.3	971	447,500	3,769,500	1.8	3.0
214	3232.3	971	447,750	3,769,500	1.8	2.9
215	3482.3	971	448,000	3,769,500	1.7	2.7
216	3732.3	971	448,250	3,769,500	1.5	2.5
217	-3267.7	1221	441,250	3,769,750	0.1	0.3
218	-3017.7	1221	441,500	3,769,750	0.1	0.3
219	-2767.7	1221	441,750	3,769,750	0.1	0.3
220	-2517.7	1221	442,000	3,769,750	0.2	0.4
221	-2267.7	1221	442,250	3,769,750	0.2	0.4
222	-2017.7	1221	442,500	3,769,750	0.2	0.4
223	-1767.7	1221	442,750	3,769,750	0.2	0.4

224	-1517.7	1221	443,000	3,769,750	0.2	0.5
225	-1267.7	1221	443,250	3,769,750	0.3	0.5
226	-1017.7	1221	443,500	3,769,750	0.3	0.6
227	-767.7	1221	443,750	3,769,750	0.4	0.7
228	-517.7	1221	444,000	3,769,750	0.4	0.7
229	-267.7	1221	444,250	3,769,750	0.5	0.8
230	-17.7	1221	444,500	3,769,750	0.5	0.9
231	232.3	1221	444,750	3,769,750	0.6	1.0
232	482.3	1221	445,000	3,769,750	0.6	1.1
233	732.3	1221	445,250	3,769,750	0.7	1.2
234	982.3	1221	445,500	3,769,750	0.7	1.3
235	1232.3	1221	445,750	3,769,750	0.8	1.5
236	1482.3	1221	446,000	3,769,750	0.9	1.6
237	1732.3	1221	446,250	3,769,750	0.9	1.7
238	1982.3	1221	446,500	3,769,750	1.0	1.8
239	2232.3	1221	446,750	3,769,750	1.1	2.0
240	2482.3	1221	447,000	3,769,750	1.2	2.1
241	2732.3	1221	447,250	3,769,750	1.3	2.2
242	2982.3	1221	447,500	3,769,750	1.3	2.2
243	3232.3	1221	447,750	3,769,750	1.4	2.2
244	3482.3	1221	448,000	3,769,750	1.3	2.2
245	3732.3	1221	448,250	3,769,750	1.3	2.1
246	-2828.12	251.91	441,690	3,768,781	0.3	0.5
247	-2793.79	238.18	441,724	3,768,767	0.3	0.5
248	-2786.92	330.88	441,731	3,768,860	0.3	0.5
249	-2550.03	325.73	441,968	3,768,855	0.3	0.5
250	-2503.68	329.16	442,014	3,768,858	0.3	0.5
251	-2414.42	346.32	442,103	3,768,875	0.3	0.6
252	-2290.83	348.04	442,227	3,768,877	0.4	0.6
253	-2175.82	342.89	442,342	3,768,872	0.4	0.7
254	-2186.12	456.19	442,332	3,768,985	0.3	0.6
255	-2270.23	469.92	442,248	3,768,999	0.3	0.6
256	-2201.57	517.98	442,316	3,769,047	0.3	0.6
257	-2141.49	590.08	442,376	3,769,119	0.3	0.6
258	-2043.64	645.01	442,474	3,769,174	0.3	0.6
259	-1962.96	658.74	442,555	3,769,188	0.3	0.6
260	-1820.49	650.16	442,697	3,769,179	0.3	0.6
261	-1509.79	658.74	443,008	3,769,188	0.4	0.7
262	-1123.56	672.47	443,394	3,769,201	0.6	0.9
263	-915.85	655.31	443,602	3,769,184	0.6	1.1
264	-809.43	657.02	443,708	3,769,186	0.7	1.2
265	-579.4	686.21	443,938	3,769,215	0.8	1.3
266	-291.02	694.79	444,227	3,769,224	0.9	1.5
267	-9.5	711.95	444,508	3,769,241	1.0	1.6
268	373.29	710.24	444,891	3,769,239	1.1	2.0

269	718.33	717.1	445,236	3,769,246	1.3	2.3
270	1056.49	735.99	445,574	3,769,265	1.5	2.7
271	1516.53	761.74	446,034	3,769,291	1.7	3.1
272	1949.11	777.18	446,467	3,769,306	2.0	3.6
273	2330.19	784.05	446,848	3,769,313	2.3	3.9
274	2359.37	615.83	446,877	3,769,145	3.1	5.1
275	2692.39	614.11	447,210	3,769,143	2.9	4.7
276	2809.11	588.36	447,327	3,769,117	2.8	4.6
277	2932.71	514.55	447,450	3,769,043	2.8	4.5
278	2967.04	488.8	447,485	3,769,018	2.8	4.4
279	3083.77	346.32	447,602	3,768,875	2.5	4.0
280	3112.95	202.13	447,631	3,768,731	2.3	3.5
281	3291.47	195.27	447,809	3,768,724	1.9	3.0
282	3286.32	-86.25	447,804	3,768,443	1.4	2.1
283	3279.46	-278.51	447,797	3,768,250	1.0	1.5
284	3274.31	-415.83	447,792	3,768,113	0.8	1.2
285	3303.49	-536	447,821	3,767,993	0.7	1.1
286	3391.03	-656.16	447,909	3,767,873	0.6	0.9
287	3495.74	-699.07	448,013	3,767,830	0.5	0.9
288	3595.31	-700.79	448,113	3,767,828	0.5	0.8
289	3560.97	-860.43	448,079	3,767,668	0.6	0.8
290	3339.54	-867.29	447,857	3,767,662	0.7	1.0
291	3131.83	-867.29	447,650	3,767,662	0.7	1.0
292	3102.65	-841.55	447,620	3,767,687	0.6	1.0
293	3104.36	-702.5	447,622	3,767,826	0.6	1.0
294	3106.08	-542.86	447,624	3,767,986	0.7	1.2
295	2886.36	-536	447,404	3,767,993	0.8	1.3
296	2869.19	-475.91	447,387	3,768,053	0.9	1.4
297	2634.02	-477.63	447,152	3,768,051	1.0	1.6
298	2355.94	-472.48	446,874	3,768,056	1.3	2.1
299	1974.86	-467.33	446,493	3,768,061	1.7	3.1
300	1509.67	-455.32	446,027	3,768,074	3.5	6.6
301	1092.54	-455.32	445,610	3,768,074	3.6	7.0
302	733.78	-450.17	445,252	3,768,079	3.3	6.5
303	735.49	-683.62	445,253	3,767,845	2.5	4.8
304	728.63	-856.99	445,246	3,767,672	2.4	4.2
305	469.42	-853.56	444,987	3,767,675	2.4	4.1
306	110.66	-839.83	444,628	3,767,689	2.1	3.9
307	110.66	-1020.07	444,628	3,767,509	1.5	3.0
308	-138.24	-935.96	444,380	3,767,593	1.5	3.0
309	-397.45	-829.53	444,120	3,767,699	1.5	2.9
310	-646.35	-724.82	443,871	3,767,804	1.5	2.7
311	-914.14	-620.11	443,604	3,767,909	1.7	2.6
312	-1274.62	-465.62	443,243	3,768,063	1.2	1.9
313	-1659.13	-307.69	442,859	3,768,221	1.1	1.6

314	-1880.57	-216.71	442,637	3,768,312	0.9	1.3
315	-2211.87	-87.97	442,306	3,768,441	0.7	1.1
316	-2512.27	42.49	442,005	3,768,571	0.4	0.6
317	-2622.13	87.12	441,896	3,768,616	0.4	0.6
318	-2737.14	128.32	441,781	3,768,657	0.3	0.5
319	-2833.27	169.52	441,684	3,768,698	0.3	0.5

24-Hour PM2.5 Concentrations (µg/m^3) from Operational Activities - Project Compared to Baseline

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-2017.7	-1529	442,500	3,767,000	0.03	0.07
2	-1767.7	-1529	442,750	3,767,000	0.05	0.10
3	-1517.7	-1529	443,000	3,767,000	0.07	0.13
4	-1267.7	-1529	443,250	3,767,000	0.08	0.14
5	-1017.7	-1529	443,500	3,767,000	0.10	0.15
6	-767.7	-1529	443,750	3,767,000	0.11	0.14
7	-517.7	-1529	444,000	3,767,000	0.09	0.15
8	-267.7	-1529	444,250	3,767,000	0.09	0.18
9	-17.7	-1529	444,500	3,767,000	0.11	0.17
10	232.3	-1529	444,750	3,767,000	0.09	0.14
11	482.3	-1529	445,000	3,767,000	0.08	0.13
12	732.3	-1529	445,250	3,767,000	0.12	0.16
13	982.3	-1529	445,500	3,767,000	0.06	0.10
14	1232.3	-1529	445,750	3,767,000	0.06	0.10
15	1482.3	-1529	446,000	3,767,000	0.06	0.10
16	1732.3	-1529	446,250	3,767,000	0.05	0.08
17	1982.3	-1529	446,500	3,767,000	0.05	0.06
18	2232.3	-1529	446,750	3,767,000	0.05	0.06
19	2482.3	-1529	447,000	3,767,000	0.03	0.05
20	2732.3	-1529	447,250	3,767,000	0.04	0.05
21	2982.3	-1529	447,500	3,767,000	0.04	0.04
22	3232.3	-1529	447,750	3,767,000	0.04	0.04
23	3482.3	-1529	448,000	3,767,000	0.04	0.04
24	3732.3	-1529	448,250	3,767,000	0.03	0.04
25	3982.3	-1529	448,500	3,767,000	0.03	0.03
26	4232.3	-1529	448,750	3,767,000	0.02	0.03
27	4482.3	-1529	449,000	3,767,000	0.02	0.02
28	-2017.7	-1279	442,500	3,767,250	0.04	0.05
29	-1767.7	-1279	442,750	3,767,250	0.04	0.08
30	-1517.7	-1279	443,000	3,767,250	0.06	0.13
31	-1267.7	-1279	443,250	3,767,250	0.09	0.17
32	-1017.7	-1279	443,500	3,767,250	0.11	0.19
33	-767.7	-1279	443,750	3,767,250	0.14	0.20
34	-517.7	-1279	444,000	3,767,250	0.14	0.20
35	-267.7	-1279	444,250	3,767,250	0.12	0.24
36	-17.7	-1279	444,500	3,767,250	0.13	0.24
37	232.3	-1279	444,750	3,767,250	0.09	0.19
38	482.3	-1279	445,000	3,767,250	0.09	0.14
39	732.3	-1279	445,250	3,767,250	0.13	0.16
40	982.3	-1279	445,500	3,767,250	0.07	0.12
41	1232.3	-1279	445,750	3,767,250	0.07	0.12
42	1482.3	-1279	446,000	3,767,250	0.07	0.12
43	1732.3	-1279	446,250	3,767,250	0.06	0.09

44	1982.3	-1279	446,500	3,767,250	0.06	0.07
45	2232.3	-1279	446,750	3,767,250	0.05	0.07
46	2482.3	-1279	447,000	3,767,250	0.04	0.07
47	2732.3	-1279	447,250	3,767,250	0.04	0.06
48	2982.3	-1279	447,500	3,767,250	0.05	0.06
49	3232.3	-1279	447,750	3,767,250	0.04	0.05
50	3482.3	-1279	448,000	3,767,250	0.04	0.04
51	3732.3	-1279	448,250	3,767,250	0.03	0.03
52	3982.3	-1279	448,500	3,767,250	0.03	0.03
53	4232.3	-1279	448,750	3,767,250	0.03	0.03
54	4482.3	-1279	449,000	3,767,250	0.02	0.02
55	-2017.7	-1029	442,500	3,767,500	0.05	0.08
56	-1767.7	-1029	442,750	3,767,500	0.06	0.08
57	-1517.7	-1029	443,000	3,767,500	0.06	0.11
58	-1267.7	-1029	443,250	3,767,500	0.09	0.18
59	-1017.7	-1029	443,500	3,767,500	0.13	0.23
60	-767.7	-1029	443,750	3,767,500	0.18	0.26
61	-517.7	-1029	444,000	3,767,500	0.20	0.29
62	-267.7	-1029	444,250	3,767,500	0.20	0.37
63	-17.7	-1029	444,500	3,767,500	0.21	0.42
64	232.3	-1029	444,750	3,767,500	0.11	0.27
65	482.3	-1029	445,000	3,767,500	0.10	0.13
66	732.3	-1029	445,250	3,767,500	0.12	0.16
67	982.3	-1029	445,500	3,767,500	0.11	0.16
68	1232.3	-1029	445,750	3,767,500	0.10	0.16
69	1482.3	-1029	446,000	3,767,500	0.10	0.16
70	1732.3	-1029	446,250	3,767,500	0.09	0.12
71	1982.3	-1029	446,500	3,767,500	0.08	0.10
72	2232.3	-1029	446,750	3,767,500	0.08	0.11
73	2482.3	-1029	447,000	3,767,500	0.06	0.09
74	2732.3	-1029	447,250	3,767,500	0.07	0.08
75	2982.3	-1029	447,500	3,767,500	0.06	0.06
76	3232.3	-1029	447,750	3,767,500	0.05	0.05
77	3482.3	-1029	448,000	3,767,500	0.05	0.05
78	3732.3	-1029	448,250	3,767,500	0.05	0.04
79	3982.3	-1029	448,500	3,767,500	0.04	0.04
80	4232.3	-1029	448,750	3,767,500	0.04	0.04
81	4482.3	-1029	449,000	3,767,500	0.04	0.03
82	-3017.7	-779	441,500	3,767,750	0.04	0.05
83	-2767.7	-779	441,750	3,767,750	0.05	0.06
84	-2517.7	-779	442,000	3,767,750	0.05	0.07
85	-2267.7	-779	442,250	3,767,750	0.05	0.08
86	-2017.7	-779	442,500	3,767,750	0.05	0.09
87	-1767.7	-779	442,750	3,767,750	0.06	0.11
88	-1517.7	-779	443,000	3,767,750	0.08	0.12

89	-1267.7	-779	443,250	3,767,750	0.11	0.17
90	-1017.7	-779	443,500	3,767,750	0.16	0.29
91	-767.7	-779	443,750	3,767,750	0.26	0.40
92	-517.7	-779	444,000	3,767,750	0.28	0.48
93	732.3	-779	445,250	3,767,750	0.12	0.16
94	982.3	-779	445,500	3,767,750	0.13	0.19
95	1232.3	-779	445,750	3,767,750	0.14	0.20
96	1482.3	-779	446,000	3,767,750	0.14	0.21
97	1732.3	-779	446,250	3,767,750	0.12	0.17
98	1982.3	-779	446,500	3,767,750	0.10	0.15
99	2232.3	-779	446,750	3,767,750	0.09	0.13
100	2482.3	-779	447,000	3,767,750	0.09	0.11
101	2732.3	-779	447,250	3,767,750	0.06	0.06
102	2982.3	-779	447,500	3,767,750	0.05	0.05
103	3732.3	-779	448,250	3,767,750	0.05	0.04
104	3982.3	-779	448,500	3,767,750	0.05	0.05
105	4232.3	-779	448,750	3,767,750	0.05	0.05
106	4482.3	-779	449,000	3,767,750	0.04	0.05
107	-3517.7	-529	441,000	3,768,000	0.04	0.06
108	-3267.7	-529	441,250	3,768,000	0.04	0.07
109	-3017.7	-529	441,500	3,768,000	0.05	0.07
110	-2767.7	-529	441,750	3,768,000	0.06	0.08
111	-2517.7	-529	442,000	3,768,000	0.07	0.09
112	-2267.7	-529	442,250	3,768,000	0.07	0.10
113	-2017.7	-529	442,500	3,768,000	0.09	0.11
114	-1767.7	-529	442,750	3,768,000	0.10	0.15
115	-1517.7	-529	443,000	3,768,000	0.14	0.20
116	-1267.7	-529	443,250	3,768,000	0.24	0.32
117	732.3	-529	445,250	3,768,000	0.09	0.15
118	982.3	-529	445,500	3,768,000	0.10	0.16
119	1232.3	-529	445,750	3,768,000	0.12	0.19
120	1482.3	-529	446,000	3,768,000	0.13	0.23
121	1732.3	-529	446,250	3,768,000	0.13	0.18
122	1982.3	-529	446,500	3,768,000	0.09	0.17
123	2232.3	-529	446,750	3,768,000	0.09	0.15
124	2482.3	-529	447,000	3,768,000	0.05	0.05
125	2732.3	-529	447,250	3,768,000	0.04	0.04
126	3482.3	-529	448,000	3,768,000	0.03	0.04
127	3732.3	-529	448,250	3,768,000	0.04	0.04
128	3982.3	-529	448,500	3,768,000	0.05	0.04
129	4232.3	-529	448,750	3,768,000	0.05	0.04
130	4482.3	-529	449,000	3,768,000	0.05	0.04
131	-3517.7	-279	441,000	3,768,250	0.03	0.06
132	-3267.7	-279	441,250	3,768,250	0.04	0.06
133	-3017.7	-279	441,500	3,768,250	0.04	0.06

134	-2767.7	-279	441,750	3,768,250	0.05	0.07
135	-2517.7	-279	442,000	3,768,250	0.06	0.08
136	-2267.7	-279	442,250	3,768,250	0.07	0.09
137	-2017.7	-279	442,500	3,768,250	0.09	0.11
138	3482.3	-279	448,000	3,768,250	0.07	0.06
139	3732.3	-279	448,250	3,768,250	0.06	0.06
140	3982.3	-279	448,500	3,768,250	0.06	0.05
141	4232.3	-279	448,750	3,768,250	0.05	0.05
142	4482.3	-279	449,000	3,768,250	0.05	0.05
143	-3517.7	-29	441,000	3,768,500	0.05	0.05
144	-3267.7	-29	441,250	3,768,500	0.05	0.05
145	-3017.7	-29	441,500	3,768,500	0.05	0.05
146	-2767.7	-29	441,750	3,768,500	0.05	0.05
147	-2517.7	-29	442,000	3,768,500	0.05	0.06
148	3482.3	-29	448,000	3,768,500	0.06	0.08
149	3732.3	-29	448,250	3,768,500	0.06	0.07
150	3982.3	-29	448,500	3,768,500	0.05	0.06
151	4232.3	-29	448,750	3,768,500	0.05	0.06
152	4482.3	-29	449,000	3,768,500	0.05	0.05
153	-3517.7	221	441,000	3,768,750	0.03	0.02
154	-3267.7	221	441,250	3,768,750	0.03	0.02
155	-3017.7	221	441,500	3,768,750	0.03	0.02
156	3482.3	221	448,000	3,768,750	0.05	0.05
157	3732.3	221	448,250	3,768,750	0.05	0.05
158	3982.3	221	448,500	3,768,750	0.04	0.05
159	4232.3	221	448,750	3,768,750	0.04	0.05
160	4482.3	221	449,000	3,768,750	0.04	0.05
161	-3517.7	471	441,000	3,769,000	0.03	0.02
162	-3267.7	471	441,250	3,769,000	0.03	0.02
163	-3017.7	471	441,500	3,769,000	0.04	0.02
164	-2767.7	471	441,750	3,769,000	0.04	0.03
165	-2517.7	471	442,000	3,769,000	0.05	0.04
166	-2267.7	471	442,250	3,769,000	0.05	0.05
167	3232.3	471	447,750	3,769,000	0.05	0.08
168	3482.3	471	448,000	3,769,000	0.05	0.06
169	3732.3	471	448,250	3,769,000	0.05	0.05
170	3982.3	471	448,500	3,769,000	0.04	0.04
171	4232.3	471	448,750	3,769,000	0.04	0.04
172	4482.3	471	449,000	3,769,000	0.04	0.04
173	-3517.7	721	441,000	3,769,250	0.03	0.02
174	-3267.7	721	441,250	3,769,250	0.03	0.02
175	-3017.7	721	441,500	3,769,250	0.03	0.03
176	-2767.7	721	441,750	3,769,250	0.03	0.03
177	-2517.7	721	442,000	3,769,250	0.03	0.04
178	-2267.7	721	442,250	3,769,250	0.03	0.05

179	2482.3	721	447,000	3,769,250	0.05	0.10
180	2732.3	721	447,250	3,769,250	0.05	0.10
181	2982.3	721	447,500	3,769,250	0.04	0.10
182	3232.3	721	447,750	3,769,250	0.04	0.10
183	3482.3	721	448,000	3,769,250	0.04	0.09
184	3732.3	721	448,250	3,769,250	0.04	0.08
185	3982.3	721	448,500	3,769,250	0.04	0.06
186	4232.3	721	448,750	3,769,250	0.04	0.05
187	4482.3	721	449,000	3,769,250	0.03	0.04
188	-3267.7	971	441,250	3,769,500	0.02	0.02
189	-3017.7	971	441,500	3,769,500	0.02	0.03
190	-2767.7	971	441,750	3,769,500	0.02	0.03
191	-2517.7	971	442,000	3,769,500	0.02	0.04
192	-2267.7	971	442,250	3,769,500	0.02	0.04
193	-2017.7	971	442,500	3,769,500	0.02	0.04
194	-1767.7	971	442,750	3,769,500	0.02	0.03
195	-1517.7	971	443,000	3,769,500	0.02	0.04
196	-1267.7	971	443,250	3,769,500	0.03	0.05
197	-1017.7	971	443,500	3,769,500	0.04	0.04
198	-767.7	971	443,750	3,769,500	0.04	0.04
199	-517.7	971	444,000	3,769,500	0.03	0.04
200	-267.7	971	444,250	3,769,500	0.02	0.03
201	-17.7	971	444,500	3,769,500	0.03	0.02
202	232.3	971	444,750	3,769,500	0.03	0.03
203	482.3	971	445,000	3,769,500	0.03	0.04
204	732.3	971	445,250	3,769,500	0.03	0.04
205	982.3	971	445,500	3,769,500	0.04	0.03
206	1232.3	971	445,750	3,769,500	0.05	0.05
207	1482.3	971	446,000	3,769,500	0.03	0.05
208	1732.3	971	446,250	3,769,500	0.03	0.05
209	1982.3	971	446,500	3,769,500	0.04	0.06
210	2232.3	971	446,750	3,769,500	0.05	0.08
211	2482.3	971	447,000	3,769,500	0.05	0.08
212	2732.3	971	447,250	3,769,500	0.04	0.06
213	2982.3	971	447,500	3,769,500	0.04	0.07
214	3232.3	971	447,750	3,769,500	0.04	0.07
215	3482.3	971	448,000	3,769,500	0.03	0.08
216	3732.3	971	448,250	3,769,500	0.03	0.07
217	-3267.7	1221	441,250	3,769,750	0.02	0.02
218	-3017.7	1221	441,500	3,769,750	0.01	0.03
219	-2767.7	1221	441,750	3,769,750	0.01	0.03
220	-2517.7	1221	442,000	3,769,750	0.01	0.04
221	-2267.7	1221	442,250	3,769,750	0.01	0.03
222	-2017.7	1221	442,500	3,769,750	0.01	0.03
223	-1767.7	1221	442,750	3,769,750	0.02	0.03

224	-1517.7	1221	443,000	3,769,750	0.02	0.04
225	-1267.7	1221	443,250	3,769,750	0.03	0.04
226	-1017.7	1221	443,500	3,769,750	0.03	0.04
227	-767.7	1221	443,750	3,769,750	0.03	0.04
228	-517.7	1221	444,000	3,769,750	0.02	0.03
229	-267.7	1221	444,250	3,769,750	0.02	0.02
230	-17.7	1221	444,500	3,769,750	0.02	0.02
231	232.3	1221	444,750	3,769,750	0.02	0.03
232	482.3	1221	445,000	3,769,750	0.02	0.03
233	732.3	1221	445,250	3,769,750	0.03	0.03
234	982.3	1221	445,500	3,769,750	0.03	0.03
235	1232.3	1221	445,750	3,769,750	0.03	0.04
236	1482.3	1221	446,000	3,769,750	0.03	0.05
237	1732.3	1221	446,250	3,769,750	0.03	0.05
238	1982.3	1221	446,500	3,769,750	0.03	0.05
239	2232.3	1221	446,750	3,769,750	0.04	0.06
240	2482.3	1221	447,000	3,769,750	0.04	0.07
241	2732.3	1221	447,250	3,769,750	0.03	0.07
242	2982.3	1221	447,500	3,769,750	0.03	0.06
243	3232.3	1221	447,750	3,769,750	0.03	0.05
244	3482.3	1221	448,000	3,769,750	0.03	0.05
245	3732.3	1221	448,250	3,769,750	0.03	0.06
246	-2828.12	251.91	441,690	3,768,781	0.03	0.02
247	-2793.79	238.18	441,724	3,768,767	0.03	0.02
248	-2786.92	330.88	441,731	3,768,860	0.04	0.02
249	-2550.03	325.73	441,968	3,768,855	0.05	0.03
250	-2503.68	329.16	442,014	3,768,858	0.05	0.03
251	-2414.42	346.32	442,103	3,768,875	0.05	0.04
252	-2290.83	348.04	442,227	3,768,877	0.06	0.05
253	-2175.82	342.89	442,342	3,768,872	0.07	0.06
254	-2186.12	456.19	442,332	3,768,985	0.05	0.06
255	-2270.23	469.92	442,248	3,768,999	0.05	0.05
256	-2201.57	517.98	442,316	3,769,047	0.04	0.06
257	-2141.49	590.08	442,376	3,769,119	0.03	0.06
258	-2043.64	645.01	442,474	3,769,174	0.03	0.05
259	-1962.96	658.74	442,555	3,769,188	0.03	0.05
260	-1820.49	650.16	442,697	3,769,179	0.03	0.05
261	-1509.79	658.74	443,008	3,769,188	0.03	0.05
262	-1123.56	672.47	443,394	3,769,201	0.05	0.07
263	-915.85	655.31	443,602	3,769,184	0.05	0.07
264	-809.43	657.02	443,708	3,769,186	0.06	0.06
265	-579.4	686.21	443,938	3,769,215	0.05	0.04
266	-291.02	694.79	444,227	3,769,224	0.04	0.03
267	-9.5	711.95	444,508	3,769,241	0.03	0.03
268	373.29	710.24	444,891	3,769,239	0.03	0.05

269	718.33	717.1	445,236	3,769,246	0.05	0.05
270	1056.49	735.99	445,574	3,769,265	0.06	0.05
271	1516.53	761.74	446,034	3,769,291	0.04	0.06
272	1949.11	777.18	446,467	3,769,306	0.05	0.07
273	2330.19	784.05	446,848	3,769,313	0.07	0.11
274	2359.37	615.83	446,877	3,769,145	0.09	0.15
275	2692.39	614.11	447,210	3,769,143	0.05	0.11
276	2809.11	588.36	447,327	3,769,117	0.05	0.12
277	2932.71	514.55	447,450	3,769,043	0.06	0.12
278	2967.04	488.8	447,485	3,769,018	0.06	0.11
279	3083.77	346.32	447,602	3,768,875	0.06	0.07
280	3112.95	202.13	447,631	3,768,731	0.06	0.06
281	3291.47	195.27	447,809	3,768,724	0.06	0.06
282	3286.32	-86.25	447,804	3,768,443	0.07	0.08
283	3279.46	-278.51	447,797	3,768,250	0.07	0.06
284	3274.31	-415.83	447,792	3,768,113	0.05	0.04
285	3303.49	-536	447,821	3,767,993	0.03	0.04
286	3391.03	-656.16	447,909	3,767,873	0.04	0.03
287	3495.74	-699.07	448,013	3,767,830	0.04	0.04
288	3595.31	-700.79	448,113	3,767,828	0.04	0.04
289	3560.97	-860.43	448,079	3,767,668	0.10	0.09
290	3339.54	-867.29	447,857	3,767,662	0.11	0.11
291	3131.83	-867.29	447,650	3,767,662	0.11	0.11
292	3102.65	-841.55	447,620	3,767,687	0.09	0.08
293	3104.36	-702.5	447,622	3,767,826	0.04	0.04
294	3106.08	-542.86	447,624	3,767,986	0.04	0.03
295	2886.36	-536	447,404	3,767,993	0.04	0.04
296	2869.19	-475.91	447,387	3,768,053	0.04	0.04
297	2634.02	-477.63	447,152	3,768,051	0.04	0.04
298	2355.94	-472.48	446,874	3,768,056	0.08	0.08
299	1974.86	-467.33	446,493	3,768,061	0.11	0.17
300	1509.67	-455.32	446,027	3,768,074	0.15	0.25
301	1092.54	-455.32	445,610	3,768,074	0.10	0.18
302	733.78	-450.17	445,252	3,768,079	0.09	0.17
303	735.49	-683.62	445,253	3,767,845	0.10	0.14
304	728.63	-856.99	445,246	3,767,672	0.28	0.30
305	469.42	-853.56	444,987	3,767,675	0.24	0.27
306	110.66	-839.83	444,628	3,767,689	0.39	0.83
307	110.66	-1020.07	444,628	3,767,509	0.20	0.37
308	-138.24	-935.96	444,380	3,767,593	0.26	0.56
309	-397.45	-829.53	444,120	3,767,699	0.26	0.46
310	-646.35	-724.82	443,871	3,767,804	0.30	0.51
311	-914.14	-620.11	443,604	3,767,909	0.38	0.57
312	-1274.62	-465.62	443,243	3,768,063	0.21	0.30
313	-1659.13	-307.69	442,859	3,768,221	0.09	0.15

314	-1880.57	-216.71	442,637	3,768,312	0.09	0.12
315	-2211.87	-87.97	442,306	3,768,441	0.07	0.08
316	-2512.27	42.49	442,005	3,768,571	0.04	0.04
317	-2622.13	87.12	441,896	3,768,616	0.04	0.03
318	-2737.14	128.32	441,781	3,768,657	0.04	0.03
319	-2833.27	169.52	441,684	3,768,698	0.03	0.02

24-Hour PM10 Concentrations (µg/m^3) from Operational Activities - Project Compared to Baseline

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-2017.7	-1529	442,500	3,767,000	0.05	0.09
2	-1767.7	-1529	442,750	3,767,000	0.07	0.12
3	-1517.7	-1529	443,000	3,767,000	0.10	0.16
4	-1267.7	-1529	443,250	3,767,000	0.11	0.17
5	-1017.7	-1529	443,500	3,767,000	0.14	0.20
6	-767.7	-1529	443,750	3,767,000	0.15	0.19
7	-517.7	-1529	444,000	3,767,000	0.13	0.18
8	-267.7	-1529	444,250	3,767,000	0.13	0.22
9	-17.7	-1529	444,500	3,767,000	0.15	0.21
10	232.3	-1529	444,750	3,767,000	0.13	0.18
11	482.3	-1529	445,000	3,767,000	0.13	0.18
12	732.3	-1529	445,250	3,767,000	0.23	0.27
13	982.3	-1529	445,500	3,767,000	0.11	0.15
14	1232.3	-1529	445,750	3,767,000	0.10	0.15
15	1482.3	-1529	446,000	3,767,000	0.10	0.14
16	1732.3	-1529	446,250	3,767,000	0.09	0.11
17	1982.3	-1529	446,500	3,767,000	0.09	0.10
18	2232.3	-1529	446,750	3,767,000	0.09	0.10
19	2482.3	-1529	447,000	3,767,000	0.07	0.09
20	2732.3	-1529	447,250	3,767,000	0.07	0.09
21	2982.3	-1529	447,500	3,767,000	0.07	0.07
22	3232.3	-1529	447,750	3,767,000	0.07	0.08
23	3482.3	-1529	448,000	3,767,000	0.07	0.07
24	3732.3	-1529	448,250	3,767,000	0.06	0.07
25	3982.3	-1529	448,500	3,767,000	0.06	0.06
26	4232.3	-1529	448,750	3,767,000	0.05	0.05
27	4482.3	-1529	449,000	3,767,000	0.04	0.04
28	-2017.7	-1279	442,500	3,767,250	0.06	0.07
29	-1767.7	-1279	442,750	3,767,250	0.07	0.11
30	-1517.7	-1279	443,000	3,767,250	0.09	0.16
31	-1267.7	-1279	443,250	3,767,250	0.12	0.20
32	-1017.7	-1279	443,500	3,767,250	0.16	0.24
33	-767.7	-1279	443,750	3,767,250	0.19	0.25
34	-517.7	-1279	444,000	3,767,250	0.18	0.25
35	-267.7	-1279	444,250	3,767,250	0.16	0.29
36	-17.7	-1279	444,500	3,767,250	0.18	0.29
37	232.3	-1279	444,750	3,767,250	0.14	0.24
38	482.3	-1279	445,000	3,767,250	0.15	0.20
39	732.3	-1279	445,250	3,767,250	0.25	0.29
40	982.3	-1279	445,500	3,767,250	0.14	0.18
41	1232.3	-1279	445,750	3,767,250	0.12	0.17
42	1482.3	-1279	446,000	3,767,250	0.13	0.18
43	1732.3	-1279	446,250	3,767,250	0.11	0.14

44	1982.3	-1279	446,500	3,767,250	0.11	0.12
45	2232.3	-1279	446,750	3,767,250	0.10	0.12
46	2482.3	-1279	447,000	3,767,250	0.09	0.12
47	2732.3	-1279	447,250	3,767,250	0.09	0.10
48	2982.3	-1279	447,500	3,767,250	0.09	0.10
49	3232.3	-1279	447,750	3,767,250	0.08	0.08
50	3482.3	-1279	448,000	3,767,250	0.08	0.08
51	3732.3	-1279	448,250	3,767,250	0.07	0.07
52	3982.3	-1279	448,500	3,767,250	0.07	0.07
53	4232.3	-1279	448,750	3,767,250	0.06	0.06
54	4482.3	-1279	449,000	3,767,250	0.05	0.05
55	-2017.7	-1029	442,500	3,767,500	0.07	0.10
56	-1767.7	-1029	442,750	3,767,500	0.08	0.10
57	-1517.7	-1029	443,000	3,767,500	0.09	0.14
58	-1267.7	-1029	443,250	3,767,500	0.13	0.22
59	-1017.7	-1029	443,500	3,767,500	0.19	0.28
60	-767.7	-1029	443,750	3,767,500	0.23	0.32
61	-517.7	-1029	444,000	3,767,500	0.25	0.35
62	-267.7	-1029	444,250	3,767,500	0.25	0.42
63	-17.7	-1029	444,500	3,767,500	0.27	0.48
64	232.3	-1029	444,750	3,767,500	0.18	0.34
65	482.3	-1029	445,000	3,767,500	0.18	0.21
66	732.3	-1029	445,250	3,767,500	0.25	0.30
67	982.3	-1029	445,500	3,767,500	0.20	0.25
68	1232.3	-1029	445,750	3,767,500	0.19	0.24
69	1482.3	-1029	446,000	3,767,500	0.18	0.24
70	1732.3	-1029	446,250	3,767,500	0.16	0.20
71	1982.3	-1029	446,500	3,767,500	0.15	0.17
72	2232.3	-1029	446,750	3,767,500	0.15	0.18
73	2482.3	-1029	447,000	3,767,500	0.13	0.16
74	2732.3	-1029	447,250	3,767,500	0.13	0.14
75	2982.3	-1029	447,500	3,767,500	0.12	0.12
76	3232.3	-1029	447,750	3,767,500	0.11	0.11
77	3482.3	-1029	448,000	3,767,500	0.11	0.11
78	3732.3	-1029	448,250	3,767,500	0.10	0.10
79	3982.3	-1029	448,500	3,767,500	0.10	0.10
80	4232.3	-1029	448,750	3,767,500	0.10	0.10
81	4482.3	-1029	449,000	3,767,500	0.09	0.08
82	-3017.7	-779	441,500	3,767,750	0.06	0.06
83	-2767.7	-779	441,750	3,767,750	0.07	0.07
84	-2517.7	-779	442,000	3,767,750	0.07	0.08
85	-2267.7	-779	442,250	3,767,750	0.07	0.10
86	-2017.7	-779	442,500	3,767,750	0.07	0.12
87	-1767.7	-779	442,750	3,767,750	0.08	0.14
88	-1517.7	-779	443,000	3,767,750	0.12	0.16

89	-1267.7	-779	443,250	3,767,750	0.15	0.22
90	-1017.7	-779	443,500	3,767,750	0.24	0.37
91	-767.7	-779	443,750	3,767,750	0.34	0.48
92	-517.7	-779	444,000	3,767,750	0.35	0.55
93	732.3	-779	445,250	3,767,750	0.24	0.28
94	982.3	-779	445,500	3,767,750	0.26	0.31
95	1232.3	-779	445,750	3,767,750	0.26	0.32
96	1482.3	-779	446,000	3,767,750	0.25	0.32
97	1732.3	-779	446,250	3,767,750	0.22	0.27
98	1982.3	-779	446,500	3,767,750	0.19	0.24
99	2232.3	-779	446,750	3,767,750	0.18	0.22
100	2482.3	-779	447,000	3,767,750	0.18	0.21
101	2732.3	-779	447,250	3,767,750	0.14	0.14
102	2982.3	-779	447,500	3,767,750	0.12	0.12
103	3732.3	-779	448,250	3,767,750	0.12	0.11
104	3982.3	-779	448,500	3,767,750	0.12	0.11
105	4232.3	-779	448,750	3,767,750	0.11	0.12
106	4482.3	-779	449,000	3,767,750	0.10	0.10
107	-3517.7	-529	441,000	3,768,000	0.05	0.08
108	-3267.7	-529	441,250	3,768,000	0.06	0.08
109	-3017.7	-529	441,500	3,768,000	0.07	0.09
110	-2767.7	-529	441,750	3,768,000	0.08	0.10
111	-2517.7	-529	442,000	3,768,000	0.09	0.11
112	-2267.7	-529	442,250	3,768,000	0.10	0.12
113	-2017.7	-529	442,500	3,768,000	0.11	0.14
114	-1767.7	-529	442,750	3,768,000	0.13	0.18
115	-1517.7	-529	443,000	3,768,000	0.18	0.24
116	-1267.7	-529	443,250	3,768,000	0.36	0.44
117	732.3	-529	445,250	3,768,000	0.14	0.21
118	982.3	-529	445,500	3,768,000	0.15	0.21
119	1232.3	-529	445,750	3,768,000	0.18	0.25
120	1482.3	-529	446,000	3,768,000	0.19	0.28
121	1732.3	-529	446,250	3,768,000	0.18	0.23
122	1982.3	-529	446,500	3,768,000	0.15	0.22
123	2232.3	-529	446,750	3,768,000	0.15	0.21
124	2482.3	-529	447,000	3,768,000	0.10	0.11
125	2732.3	-529	447,250	3,768,000	0.09	0.09
126	3482.3	-529	448,000	3,768,000	0.08	0.08
127	3732.3	-529	448,250	3,768,000	0.08	0.08
128	3982.3	-529	448,500	3,768,000	0.09	0.08
129	4232.3	-529	448,750	3,768,000	0.09	0.08
130	4482.3	-529	449,000	3,768,000	0.08	0.07
131	-3517.7	-279	441,000	3,768,250	0.06	0.08
132	-3267.7	-279	441,250	3,768,250	0.06	0.08
133	-3017.7	-279	441,500	3,768,250	0.07	0.09

134	-2767.7	-279	441,750	3,768,250	0.08	0.10
135	-2517.7	-279	442,000	3,768,250	0.09	0.11
136	-2267.7	-279	442,250	3,768,250	0.11	0.13
137	-2017.7	-279	442,500	3,768,250	0.14	0.17
138	3482.3	-279	448,000	3,768,250	0.10	0.09
139	3732.3	-279	448,250	3,768,250	0.09	0.09
140	3982.3	-279	448,500	3,768,250	0.09	0.09
141	4232.3	-279	448,750	3,768,250	0.08	0.08
142	4482.3	-279	449,000	3,768,250	0.08	0.07
143	-3517.7	-29	441,000	3,768,500	0.09	0.09
144	-3267.7	-29	441,250	3,768,500	0.08	0.08
145	-3017.7	-29	441,500	3,768,500	0.08	0.09
146	-2767.7	-29	441,750	3,768,500	0.09	0.10
147	-2517.7	-29	442,000	3,768,500	0.10	0.10
148	3482.3	-29	448,000	3,768,500	0.09	0.10
149	3732.3	-29	448,250	3,768,500	0.09	0.10
150	3982.3	-29	448,500	3,768,500	0.08	0.09
151	4232.3	-29	448,750	3,768,500	0.08	0.08
152	4482.3	-29	449,000	3,768,500	0.07	0.08
153	-3517.7	221	441,000	3,768,750	0.04	0.04
154	-3267.7	221	441,250	3,768,750	0.05	0.04
155	-3017.7	221	441,500	3,768,750	0.05	0.04
156	3482.3	221	448,000	3,768,750	0.08	0.08
157	3732.3	221	448,250	3,768,750	0.07	0.08
158	3982.3	221	448,500	3,768,750	0.07	0.07
159	4232.3	221	448,750	3,768,750	0.06	0.07
160	4482.3	221	449,000	3,768,750	0.06	0.07
161	-3517.7	471	441,000	3,769,000	0.04	0.03
162	-3267.7	471	441,250	3,769,000	0.04	0.03
163	-3017.7	471	441,500	3,769,000	0.05	0.04
164	-2767.7	471	441,750	3,769,000	0.06	0.05
165	-2517.7	471	442,000	3,769,000	0.06	0.06
166	-2267.7	471	442,250	3,769,000	0.07	0.07
167	3232.3	471	447,750	3,769,000	0.07	0.11
168	3482.3	471	448,000	3,769,000	0.07	0.09
169	3732.3	471	448,250	3,769,000	0.07	0.07
170	3982.3	471	448,500	3,769,000	0.06	0.06
171	4232.3	471	448,750	3,769,000	0.06	0.06
172	4482.3	471	449,000	3,769,000	0.06	0.05
173	-3517.7	721	441,000	3,769,250	0.04	0.03
174	-3267.7	721	441,250	3,769,250	0.04	0.03
175	-3017.7	721	441,500	3,769,250	0.04	0.04
176	-2767.7	721	441,750	3,769,250	0.04	0.04
177	-2517.7	721	442,000	3,769,250	0.04	0.05
178	-2267.7	721	442,250	3,769,250	0.04	0.06

179	2482.3	721	447,000	3,769,250	0.09	0.13
180	2732.3	721	447,250	3,769,250	0.07	0.12
181	2982.3	721	447,500	3,769,250	0.06	0.12
182	3232.3	721	447,750	3,769,250	0.06	0.12
183	3482.3	721	448,000	3,769,250	0.06	0.11
184	3732.3	721	448,250	3,769,250	0.06	0.10
185	3982.3	721	448,500	3,769,250	0.05	0.08
186	4232.3	721	448,750	3,769,250	0.05	0.07
187	4482.3	721	449,000	3,769,250	0.05	0.06
188	-3267.7	971	441,250	3,769,500	0.03	0.03
189	-3017.7	971	441,500	3,769,500	0.03	0.04
190	-2767.7	971	441,750	3,769,500	0.03	0.04
191	-2517.7	971	442,000	3,769,500	0.03	0.05
192	-2267.7	971	442,250	3,769,500	0.03	0.06
193	-2017.7	971	442,500	3,769,500	0.03	0.05
194	-1767.7	971	442,750	3,769,500	0.03	0.05
195	-1517.7	971	443,000	3,769,500	0.03	0.06
196	-1267.7	971	443,250	3,769,500	0.04	0.06
197	-1017.7	971	443,500	3,769,500	0.05	0.06
198	-767.7	971	443,750	3,769,500	0.05	0.05
199	-517.7	971	444,000	3,769,500	0.04	0.05
200	-267.7	971	444,250	3,769,500	0.04	0.04
201	-17.7	971	444,500	3,769,500	0.04	0.04
202	232.3	971	444,750	3,769,500	0.04	0.05
203	482.3	971	445,000	3,769,500	0.04	0.05
204	732.3	971	445,250	3,769,500	0.05	0.05
205	982.3	971	445,500	3,769,500	0.06	0.05
206	1232.3	971	445,750	3,769,500	0.06	0.06
207	1482.3	971	446,000	3,769,500	0.05	0.07
208	1732.3	971	446,250	3,769,500	0.05	0.07
209	1982.3	971	446,500	3,769,500	0.06	0.08
210	2232.3	971	446,750	3,769,500	0.08	0.12
211	2482.3	971	447,000	3,769,500	0.08	0.12
212	2732.3	971	447,250	3,769,500	0.06	0.09
213	2982.3	971	447,500	3,769,500	0.06	0.09
214	3232.3	971	447,750	3,769,500	0.06	0.09
215	3482.3	971	448,000	3,769,500	0.05	0.09
216	3732.3	971	448,250	3,769,500	0.05	0.09
217	-3267.7	1221	441,250	3,769,750	0.02	0.03
218	-3017.7	1221	441,500	3,769,750	0.02	0.04
219	-2767.7	1221	441,750	3,769,750	0.02	0.04
220	-2517.7	1221	442,000	3,769,750	0.02	0.05
221	-2267.7	1221	442,250	3,769,750	0.02	0.04
222	-2017.7	1221	442,500	3,769,750	0.02	0.04
223	-1767.7	1221	442,750	3,769,750	0.03	0.04

224	-1517.7	1221	443,000	3,769,750	0.03	0.05
225	-1267.7	1221	443,250	3,769,750	0.04	0.05
226	-1017.7	1221	443,500	3,769,750	0.04	0.05
227	-767.7	1221	443,750	3,769,750	0.05	0.05
228	-517.7	1221	444,000	3,769,750	0.04	0.05
229	-267.7	1221	444,250	3,769,750	0.03	0.04
230	-17.7	1221	444,500	3,769,750	0.04	0.04
231	232.3	1221	444,750	3,769,750	0.04	0.04
232	482.3	1221	445,000	3,769,750	0.04	0.04
233	732.3	1221	445,250	3,769,750	0.04	0.04
234	982.3	1221	445,500	3,769,750	0.05	0.04
235	1232.3	1221	445,750	3,769,750	0.04	0.06
236	1482.3	1221	446,000	3,769,750	0.05	0.06
237	1732.3	1221	446,250	3,769,750	0.05	0.07
238	1982.3	1221	446,500	3,769,750	0.05	0.07
239	2232.3	1221	446,750	3,769,750	0.06	0.09
240	2482.3	1221	447,000	3,769,750	0.07	0.10
241	2732.3	1221	447,250	3,769,750	0.06	0.09
242	2982.3	1221	447,500	3,769,750	0.05	0.07
243	3232.3	1221	447,750	3,769,750	0.05	0.07
244	3482.3	1221	448,000	3,769,750	0.05	0.07
245	3732.3	1221	448,250	3,769,750	0.04	0.07
246	-2828.12	251.91	441,690	3,768,781	0.05	0.04
247	-2793.79	238.18	441,724	3,768,767	0.05	0.04
248	-2786.92	330.88	441,731	3,768,860	0.06	0.04
249	-2550.03	325.73	441,968	3,768,855	0.07	0.05
250	-2503.68	329.16	442,014	3,768,858	0.07	0.05
251	-2414.42	346.32	442,103	3,768,875	0.07	0.06
252	-2290.83	348.04	442,227	3,768,877	0.08	0.07
253	-2175.82	342.89	442,342	3,768,872	0.08	0.07
254	-2186.12	456.19	442,332	3,768,985	0.07	0.08
255	-2270.23	469.92	442,248	3,768,999	0.07	0.07
256	-2201.57	517.98	442,316	3,769,047	0.06	0.07
257	-2141.49	590.08	442,376	3,769,119	0.05	0.07
258	-2043.64	645.01	442,474	3,769,174	0.04	0.07
259	-1962.96	658.74	442,555	3,769,188	0.04	0.07
260	-1820.49	650.16	442,697	3,769,179	0.04	0.07
261	-1509.79	658.74	443,008	3,769,188	0.04	0.07
262	-1123.56	672.47	443,394	3,769,201	0.06	0.08
263	-915.85	655.31	443,602	3,769,184	0.07	0.09
264	-809.43	657.02	443,708	3,769,186	0.07	0.08
265	-579.4	686.21	443,938	3,769,215	0.07	0.06
266	-291.02	694.79	444,227	3,769,224	0.05	0.05
267	-9.5	711.95	444,508	3,769,241	0.04	0.05
268	373.29	710.24	444,891	3,769,239	0.05	0.07

269	718.33	717.1	445,236	3,769,246	0.07	0.07
270	1056.49	735.99	445,574	3,769,265	0.08	0.06
271	1516.53	761.74	446,034	3,769,291	0.06	0.08
272	1949.11	777.18	446,467	3,769,306	0.07	0.09
273	2330.19	784.05	446,848	3,769,313	0.14	0.18
274	2359.37	615.83	446,877	3,769,145	0.18	0.24
275	2692.39	614.11	447,210	3,769,143	0.07	0.14
276	2809.11	588.36	447,327	3,769,117	0.07	0.14
277	2932.71	514.55	447,450	3,769,043	0.09	0.14
278	2967.04	488.8	447,485	3,769,018	0.09	0.14
279	3083.77	346.32	447,602	3,768,875	0.08	0.10
280	3112.95	202.13	447,631	3,768,731	0.09	0.09
281	3291.47	195.27	447,809	3,768,724	0.08	0.08
282	3286.32	-86.25	447,804	3,768,443	0.10	0.11
283	3279.46	-278.51	447,797	3,768,250	0.10	0.10
284	3274.31	-415.83	447,792	3,768,113	0.09	0.08
285	3303.49	-536	447,821	3,767,993	0.08	0.08
286	3391.03	-656.16	447,909	3,767,873	0.09	0.08
287	3495.74	-699.07	448,013	3,767,830	0.10	0.09
288	3595.31	-700.79	448,113	3,767,828	0.10	0.09
289	3560.97	-860.43	448,079	3,767,668	0.23	0.23
290	3339.54	-867.29	447,857	3,767,662	0.27	0.27
291	3131.83	-867.29	447,650	3,767,662	0.27	0.26
292	3102.65	-841.55	447,620	3,767,687	0.21	0.20
293	3104.36	-702.5	447,622	3,767,826	0.10	0.10
294	3106.08	-542.86	447,624	3,767,986	0.08	0.08
295	2886.36	-536	447,404	3,767,993	0.08	0.09
296	2869.19	-475.91	447,387	3,768,053	0.08	0.08
297	2634.02	-477.63	447,152	3,768,051	0.09	0.09
298	2355.94	-472.48	446,874	3,768,056	0.17	0.18
299	1974.86	-467.33	446,493	3,768,061	0.16	0.22
300	1509.67	-455.32	446,027	3,768,074	0.20	0.30
301	1092.54	-455.32	445,610	3,768,074	0.15	0.23
302	733.78	-450.17	445,252	3,768,079	0.14	0.21
303	735.49	-683.62	445,253	3,767,845	0.17	0.22
304	728.63	-856.99	445,246	3,767,672	0.63	0.66
305	469.42	-853.56	444,987	3,767,675	0.54	0.57
306	110.66	-839.83	444,628	3,767,689	0.53	0.98
307	110.66	-1020.07	444,628	3,767,509	0.27	0.44
308	-138.24	-935.96	444,380	3,767,593	0.33	0.62
309	-397.45	-829.53	444,120	3,767,699	0.33	0.53
310	-646.35	-724.82	443,871	3,767,804	0.39	0.60
311	-914.14	-620.11	443,604	3,767,909	0.64	0.83
312	-1274.62	-465.62	443,243	3,768,063	0.29	0.37
313	-1659.13	-307.69	442,859	3,768,221	0.15	0.20

314	-1880.57	-216.71	442,637	3,768,312	0.15	0.17
315	-2211.87	-87.97	442,306	3,768,441	0.12	0.13
316	-2512.27	42.49	442,005	3,768,571	0.07	0.07
317	-2622.13	87.12	441,896	3,768,616	0.06	0.05
318	-2737.14	128.32	441,781	3,768,657	0.06	0.05
319	-2833.27	169.52	441,684	3,768,698	0.05	0.04

Annual PM10 Concentrations (µg/m^3) from Operational Activities - Project Compared to Baseline

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-2017.7	-1529	442,500	3,767,000	0.01	0.01
2	-1767.7	-1529	442,750	3,767,000	0.01	0.02
3	-1517.7	-1529	443,000	3,767,000	0.01	0.02
4	-1267.7	-1529	443,250	3,767,000	0.02	0.02
5	-1017.7	-1529	443,500	3,767,000	0.03	0.03
6	-767.7	-1529	443,750	3,767,000	0.03	0.04
7	-517.7	-1529	444,000	3,767,000	0.02	0.03
8	-267.7	-1529	444,250	3,767,000	0.02	0.03
9	-17.7	-1529	444,500	3,767,000	0.02	0.03
10	232.3	-1529	444,750	3,767,000	0.02	0.03
11	482.3	-1529	445,000	3,767,000	0.02	0.03
12	732.3	-1529	445,250	3,767,000	0.04	0.05
13	982.3	-1529	445,500	3,767,000	0.02	0.02
14	1232.3	-1529	445,750	3,767,000	0.01	0.02
15	1482.3	-1529	446,000	3,767,000	0.01	0.02
16	1732.3	-1529	446,250	3,767,000	0.01	0.02
17	1982.3	-1529	446,500	3,767,000	0.01	0.01
18	2232.3	-1529	446,750	3,767,000	0.01	0.01
19	2482.3	-1529	447,000	3,767,000	0.01	0.01
20	2732.3	-1529	447,250	3,767,000	0.01	0.01
21	2982.3	-1529	447,500	3,767,000	0.01	0.01
22	3232.3	-1529	447,750	3,767,000	0.01	0.01
23	3482.3	-1529	448,000	3,767,000	0.01	0.01
24	3732.3	-1529	448,250	3,767,000	0.01	0.01
25	3982.3	-1529	448,500	3,767,000	0.01	0.01
26	4232.3	-1529	448,750	3,767,000	0.01	0.01
27	4482.3	-1529	449,000	3,767,000	0.00	0.01
28	-2017.7	-1279	442,500	3,767,250	0.01	0.01
29	-1767.7	-1279	442,750	3,767,250	0.01	0.02
30	-1517.7	-1279	443,000	3,767,250	0.02	0.02
31	-1267.7	-1279	443,250	3,767,250	0.02	0.03
32	-1017.7	-1279	443,500	3,767,250	0.03	0.04
33	-767.7	-1279	443,750	3,767,250	0.03	0.05
34	-517.7	-1279	444,000	3,767,250	0.03	0.04
35	-267.7	-1279	444,250	3,767,250	0.03	0.04
36	-17.7	-1279	444,500	3,767,250	0.03	0.04
37	232.3	-1279	444,750	3,767,250	0.02	0.03
38	482.3	-1279	445,000	3,767,250	0.02	0.03
39	732.3	-1279	445,250	3,767,250	0.04	0.05
40	982.3	-1279	445,500	3,767,250	0.02	0.03
41	1232.3	-1279	445,750	3,767,250	0.02	0.02
42	1482.3	-1279	446,000	3,767,250	0.02	0.02
43	1732.3	-1279	446,250	3,767,250	0.02	0.02

44	1982.3	-1279	446,500	3,767,250	0.02	0.02
45	2232.3	-1279	446,750	3,767,250	0.01	0.02
46	2482.3	-1279	447,000	3,767,250	0.01	0.02
47	2732.3	-1279	447,250	3,767,250	0.01	0.01
48	2982.3	-1279	447,500	3,767,250	0.01	0.01
49	3232.3	-1279	447,750	3,767,250	0.01	0.01
50	3482.3	-1279	448,000	3,767,250	0.01	0.01
51	3732.3	-1279	448,250	3,767,250	0.01	0.01
52	3982.3	-1279	448,500	3,767,250	0.01	0.01
53	4232.3	-1279	448,750	3,767,250	0.01	0.01
54	4482.3	-1279	449,000	3,767,250	0.01	0.01
55	-2017.7	-1029	442,500	3,767,500	0.01	0.01
56	-1767.7	-1029	442,750	3,767,500	0.01	0.02
57	-1517.7	-1029	443,000	3,767,500	0.02	0.02
58	-1267.7	-1029	443,250	3,767,500	0.02	0.03
59	-1017.7	-1029	443,500	3,767,500	0.04	0.05
60	-767.7	-1029	443,750	3,767,500	0.04	0.06
61	-517.7	-1029	444,000	3,767,500	0.04	0.06
62	-267.7	-1029	444,250	3,767,500	0.04	0.06
63	-17.7	-1029	444,500	3,767,500	0.04	0.06
64	232.3	-1029	444,750	3,767,500	0.04	0.05
65	482.3	-1029	445,000	3,767,500	0.04	0.05
66	732.3	-1029	445,250	3,767,500	0.06	0.07
67	982.3	-1029	445,500	3,767,500	0.04	0.04
68	1232.3	-1029	445,750	3,767,500	0.03	0.04
69	1482.3	-1029	446,000	3,767,500	0.03	0.04
70	1732.3	-1029	446,250	3,767,500	0.03	0.03
71	1982.3	-1029	446,500	3,767,500	0.03	0.03
72	2232.3	-1029	446,750	3,767,500	0.03	0.03
73	2482.3	-1029	447,000	3,767,500	0.02	0.03
74	2732.3	-1029	447,250	3,767,500	0.02	0.02
75	2982.3	-1029	447,500	3,767,500	0.02	0.02
76	3232.3	-1029	447,750	3,767,500	0.02	0.02
77	3482.3	-1029	448,000	3,767,500	0.02	0.02
78	3732.3	-1029	448,250	3,767,500	0.02	0.02
79	3982.3	-1029	448,500	3,767,500	0.02	0.02
80	4232.3	-1029	448,750	3,767,500	0.02	0.02
81	4482.3	-1029	449,000	3,767,500	0.02	0.02
82	-3017.7	-779	441,500	3,767,750	0.01	0.01
83	-2767.7	-779	441,750	3,767,750	0.01	0.01
84	-2517.7	-779	442,000	3,767,750	0.01	0.01
85	-2267.7	-779	442,250	3,767,750	0.01	0.01
86	-2017.7	-779	442,500	3,767,750	0.01	0.02
87	-1767.7	-779	442,750	3,767,750	0.01	0.02
88	-1517.7	-779	443,000	3,767,750	0.02	0.03

89	-1267.7	-779	443,250	3,767,750	0.03	0.04
90	-1017.7	-779	443,500	3,767,750	0.05	0.07
91	-767.7	-779	443,750	3,767,750	0.07	0.09
92	-517.7	-779	444,000	3,767,750	0.07	0.10
93	732.3	-779	445,250	3,767,750	0.07	0.09
94	982.3	-779	445,500	3,767,750	0.06	0.08
95	1232.3	-779	445,750	3,767,750	0.06	0.07
96	1482.3	-779	446,000	3,767,750	0.06	0.07
97	1732.3	-779	446,250	3,767,750	0.05	0.06
98	1982.3	-779	446,500	3,767,750	0.05	0.06
99	2232.3	-779	446,750	3,767,750	0.05	0.06
100	2482.3	-779	447,000	3,767,750	0.04	0.05
101	2732.3	-779	447,250	3,767,750	0.04	0.04
102	2982.3	-779	447,500	3,767,750	0.03	0.03
103	3732.3	-779	448,250	3,767,750	0.03	0.03
104	3982.3	-779	448,500	3,767,750	0.03	0.03
105	4232.3	-779	448,750	3,767,750	0.02	0.03
106	4482.3	-779	449,000	3,767,750	0.02	0.02
107	-3517.7	-529	441,000	3,768,000	0.01	0.01
108	-3267.7	-529	441,250	3,768,000	0.01	0.01
109	-3017.7	-529	441,500	3,768,000	0.01	0.01
110	-2767.7	-529	441,750	3,768,000	0.01	0.01
111	-2517.7	-529	442,000	3,768,000	0.01	0.01
112	-2267.7	-529	442,250	3,768,000	0.01	0.01
113	-2017.7	-529	442,500	3,768,000	0.01	0.02
114	-1767.7	-529	442,750	3,768,000	0.02	0.02
115	-1517.7	-529	443,000	3,768,000	0.03	0.03
116	-1267.7	-529	443,250	3,768,000	0.07	0.07
117	732.3	-529	445,250	3,768,000	0.04	0.07
118	982.3	-529	445,500	3,768,000	0.04	0.06
119	1232.3	-529	445,750	3,768,000	0.04	0.06
120	1482.3	-529	446,000	3,768,000	0.03	0.05
121	1732.3	-529	446,250	3,768,000	0.03	0.05
122	1982.3	-529	446,500	3,768,000	0.03	0.04
123	2232.3	-529	446,750	3,768,000	0.03	0.04
124	2482.3	-529	447,000	3,768,000	0.03	0.03
125	2732.3	-529	447,250	3,768,000	0.02	0.03
126	3482.3	-529	448,000	3,768,000	0.02	0.02
127	3732.3	-529	448,250	3,768,000	0.01	0.02
128	3982.3	-529	448,500	3,768,000	0.01	0.02
129	4232.3	-529	448,750	3,768,000	0.01	0.01
130	4482.3	-529	449,000	3,768,000	0.01	0.01
131	-3517.7	-279	441,000	3,768,250	0.01	0.01
132	-3267.7	-279	441,250	3,768,250	0.01	0.01
133	-3017.7	-279	441,500	3,768,250	0.01	0.01

134	-2767.7	-279	441,750	3,768,250	0.01	0.01
135	-2517.7	-279	442,000	3,768,250	0.01	0.02
136	-2267.7	-279	442,250	3,768,250	0.02	0.02
137	-2017.7	-279	442,500	3,768,250	0.03	0.03
138	3482.3	-279	448,000	3,768,250	0.01	0.02
139	3732.3	-279	448,250	3,768,250	0.01	0.02
140	3982.3	-279	448,500	3,768,250	0.01	0.01
141	4232.3	-279	448,750	3,768,250	0.01	0.01
142	4482.3	-279	449,000	3,768,250	0.01	0.01
143	-3517.7	-29	441,000	3,768,500	0.02	0.02
144	-3267.7	-29	441,250	3,768,500	0.02	0.02
145	-3017.7	-29	441,500	3,768,500	0.02	0.02
146	-2767.7	-29	441,750	3,768,500	0.02	0.02
147	-2517.7	-29	442,000	3,768,500	0.02	0.02
148	3482.3	-29	448,000	3,768,500	0.01	0.02
149	3732.3	-29	448,250	3,768,500	0.01	0.02
150	3982.3	-29	448,500	3,768,500	0.01	0.01
151	4232.3	-29	448,750	3,768,500	0.01	0.01
152	4482.3	-29	449,000	3,768,500	0.01	0.01
153	-3517.7	221	441,000	3,768,750	0.01	0.01
154	-3267.7	221	441,250	3,768,750	0.01	0.01
155	-3017.7	221	441,500	3,768,750	0.01	0.01
156	3482.3	221	448,000	3,768,750	0.01	0.02
157	3732.3	221	448,250	3,768,750	0.01	0.02
158	3982.3	221	448,500	3,768,750	0.01	0.02
159	4232.3	221	448,750	3,768,750	0.01	0.01
160	4482.3	221	449,000	3,768,750	0.01	0.01
161	-3517.7	471	441,000	3,769,000	0.00	0.00
162	-3267.7	471	441,250	3,769,000	0.00	0.01
163	-3017.7	471	441,500	3,769,000	0.00	0.01
164	-2767.7	471	441,750	3,769,000	0.01	0.01
165	-2517.7	471	442,000	3,769,000	0.01	0.01
166	-2267.7	471	442,250	3,769,000	0.01	0.01
167	3232.3	471	447,750	3,769,000	0.02	0.02
168	3482.3	471	448,000	3,769,000	0.01	0.02
169	3732.3	471	448,250	3,769,000	0.01	0.02
170	3982.3	471	448,500	3,769,000	0.01	0.02
171	4232.3	471	448,750	3,769,000	0.01	0.01
172	4482.3	471	449,000	3,769,000	0.01	0.01
173	-3517.7	721	441,000	3,769,250	0.00	0.00
174	-3267.7	721	441,250	3,769,250	0.00	0.00
175	-3017.7	721	441,500	3,769,250	0.00	0.00
176	-2767.7	721	441,750	3,769,250	0.00	0.00
177	-2517.7	721	442,000	3,769,250	0.00	0.01
178	-2267.7	721	442,250	3,769,250	0.00	0.01

179	2482.3	721	447,000	3,769,250	0.02	0.03
180	2732.3	721	447,250	3,769,250	0.02	0.03
181	2982.3	721	447,500	3,769,250	0.02	0.02
182	3232.3	721	447,750	3,769,250	0.01	0.02
183	3482.3	721	448,000	3,769,250	0.01	0.02
184	3732.3	721	448,250	3,769,250	0.01	0.02
185	3982.3	721	448,500	3,769,250	0.01	0.02
186	4232.3	721	448,750	3,769,250	0.01	0.01
187	4482.3	721	449,000	3,769,250	0.01	0.01
188	-3267.7	971	441,250	3,769,500	0.00	0.00
189	-3017.7	971	441,500	3,769,500	0.00	0.00
190	-2767.7	971	441,750	3,769,500	0.00	0.00
191	-2517.7	971	442,000	3,769,500	0.00	0.00
192	-2267.7	971	442,250	3,769,500	0.00	0.00
193	-2017.7	971	442,500	3,769,500	0.00	0.01
194	-1767.7	971	442,750	3,769,500	0.00	0.01
195	-1517.7	971	443,000	3,769,500	0.00	0.01
196	-1267.7	971	443,250	3,769,500	0.01	0.01
197	-1017.7	971	443,500	3,769,500	0.01	0.01
198	-767.7	971	443,750	3,769,500	0.01	0.01
199	-517.7	971	444,000	3,769,500	0.01	0.01
200	-267.7	971	444,250	3,769,500	0.01	0.01
201	-17.7	971	444,500	3,769,500	0.01	0.01
202	232.3	971	444,750	3,769,500	0.01	0.01
203	482.3	971	445,000	3,769,500	0.01	0.01
204	732.3	971	445,250	3,769,500	0.01	0.01
205	982.3	971	445,500	3,769,500	0.01	0.01
206	1232.3	971	445,750	3,769,500	0.01	0.02
207	1482.3	971	446,000	3,769,500	0.01	0.02
208	1732.3	971	446,250	3,769,500	0.01	0.02
209	1982.3	971	446,500	3,769,500	0.01	0.02
210	2232.3	971	446,750	3,769,500	0.02	0.02
211	2482.3	971	447,000	3,769,500	0.02	0.03
212	2732.3	971	447,250	3,769,500	0.02	0.02
213	2982.3	971	447,500	3,769,500	0.01	0.02
214	3232.3	971	447,750	3,769,500	0.01	0.02
215	3482.3	971	448,000	3,769,500	0.01	0.02
216	3732.3	971	448,250	3,769,500	0.01	0.02
217	-3267.7	1221	441,250	3,769,750	0.00	0.00
218	-3017.7	1221	441,500	3,769,750	0.00	0.00
219	-2767.7	1221	441,750	3,769,750	0.00	0.00
220	-2517.7	1221	442,000	3,769,750	0.00	0.00
221	-2267.7	1221	442,250	3,769,750	0.00	0.00
222	-2017.7	1221	442,500	3,769,750	0.00	0.00
223	-1767.7	1221	442,750	3,769,750	0.00	0.00

224	-1517.7	1221	443,000	3,769,750	0.00	0.01
225	-1267.7	1221	443,250	3,769,750	0.00	0.01
226	-1017.7	1221	443,500	3,769,750	0.00	0.01
227	-767.7	1221	443,750	3,769,750	0.00	0.01
228	-517.7	1221	444,000	3,769,750	0.01	0.01
229	-267.7	1221	444,250	3,769,750	0.01	0.01
230	-17.7	1221	444,500	3,769,750	0.01	0.01
231	232.3	1221	444,750	3,769,750	0.01	0.01
232	482.3	1221	445,000	3,769,750	0.01	0.01
233	732.3	1221	445,250	3,769,750	0.01	0.01
234	982.3	1221	445,500	3,769,750	0.01	0.01
235	1232.3	1221	445,750	3,769,750	0.01	0.01
236	1482.3	1221	446,000	3,769,750	0.01	0.01
237	1732.3	1221	446,250	3,769,750	0.01	0.01
238	1982.3	1221	446,500	3,769,750	0.01	0.01
239	2232.3	1221	446,750	3,769,750	0.01	0.02
240	2482.3	1221	447,000	3,769,750	0.02	0.02
241	2732.3	1221	447,250	3,769,750	0.01	0.02
242	2982.3	1221	447,500	3,769,750	0.01	0.02
243	3232.3	1221	447,750	3,769,750	0.01	0.02
244	3482.3	1221	448,000	3,769,750	0.01	0.01
245	3732.3	1221	448,250	3,769,750	0.01	0.01
246	-2828.12	251.91	441,690	3,768,781	0.01	0.01
247	-2793.79	238.18	441,724	3,768,767	0.01	0.01
248	-2786.92	330.88	441,731	3,768,860	0.01	0.01
249	-2550.03	325.73	441,968	3,768,855	0.01	0.01
250	-2503.68	329.16	442,014	3,768,858	0.01	0.01
251	-2414.42	346.32	442,103	3,768,875	0.01	0.01
252	-2290.83	348.04	442,227	3,768,877	0.01	0.01
253	-2175.82	342.89	442,342	3,768,872	0.01	0.01
254	-2186.12	456.19	442,332	3,768,985	0.01	0.01
255	-2270.23	469.92	442,248	3,768,999	0.01	0.01
256	-2201.57	517.98	442,316	3,769,047	0.01	0.01
257	-2141.49	590.08	442,376	3,769,119	0.01	0.01
258	-2043.64	645.01	442,474	3,769,174	0.01	0.01
259	-1962.96	658.74	442,555	3,769,188	0.01	0.01
260	-1820.49	650.16	442,697	3,769,179	0.01	0.01
261	-1509.79	658.74	443,008	3,769,188	0.01	0.01
262	-1123.56	672.47	443,394	3,769,201	0.01	0.01
263	-915.85	655.31	443,602	3,769,184	0.01	0.01
264	-809.43	657.02	443,708	3,769,186	0.01	0.01
265	-579.4	686.21	443,938	3,769,215	0.01	0.01
266	-291.02	694.79	444,227	3,769,224	0.01	0.02
267	-9.5	711.95	444,508	3,769,241	0.01	0.02
268	373.29	710.24	444,891	3,769,239	0.01	0.02

269	718.33	717.1	445,236	3,769,246	0.01	0.02
270	1056.49	735.99	445,574	3,769,265	0.01	0.02
271	1516.53	761.74	446,034	3,769,291	0.01	0.02
272	1949.11	777.18	446,467	3,769,306	0.02	0.02
273	2330.19	784.05	446,848	3,769,313	0.04	0.05
274	2359.37	615.83	446,877	3,769,145	0.04	0.05
275	2692.39	614.11	447,210	3,769,143	0.02	0.03
276	2809.11	588.36	447,327	3,769,117	0.02	0.03
277	2932.71	514.55	447,450	3,769,043	0.02	0.03
278	2967.04	488.8	447,485	3,769,018	0.02	0.03
279	3083.77	346.32	447,602	3,768,875	0.02	0.03
280	3112.95	202.13	447,631	3,768,731	0.02	0.03
281	3291.47	195.27	447,809	3,768,724	0.02	0.02
282	3286.32	-86.25	447,804	3,768,443	0.02	0.02
283	3279.46	-278.51	447,797	3,768,250	0.02	0.02
284	3274.31	-415.83	447,792	3,768,113	0.02	0.02
285	3303.49	-536	447,821	3,767,993	0.02	0.02
286	3391.03	-656.16	447,909	3,767,873	0.02	0.02
287	3495.74	-699.07	448,013	3,767,830	0.02	0.02
288	3595.31	-700.79	448,113	3,767,828	0.02	0.02
289	3560.97	-860.43	448,079	3,767,668	0.07	0.07
290	3339.54	-867.29	447,857	3,767,662	0.11	0.11
291	3131.83	-867.29	447,650	3,767,662	0.08	0.08
292	3102.65	-841.55	447,620	3,767,687	0.06	0.06
293	3104.36	-702.5	447,622	3,767,826	0.02	0.03
294	3106.08	-542.86	447,624	3,767,986	0.02	0.02
295	2886.36	-536	447,404	3,767,993	0.02	0.02
296	2869.19	-475.91	447,387	3,768,053	0.02	0.02
297	2634.02	-477.63	447,152	3,768,051	0.02	0.03
298	2355.94	-472.48	446,874	3,768,056	0.06	0.07
299	1974.86	-467.33	446,493	3,768,061	0.03	0.04
300	1509.67	-455.32	446,027	3,768,074	0.04	0.06
301	1092.54	-455.32	445,610	3,768,074	0.04	0.06
302	733.78	-450.17	445,252	3,768,079	0.05	0.07
303	735.49	-683.62	445,253	3,767,845	0.05	0.06
304	728.63	-856.99	445,246	3,767,672	0.17	0.18
305	469.42	-853.56	444,987	3,767,675	0.20	0.21
306	110.66	-839.83	444,628	3,767,689	0.11	0.16
307	110.66	-1020.07	444,628	3,767,509	0.04	0.06
308	-138.24	-935.96	444,380	3,767,593	0.05	0.08
309	-397.45	-829.53	444,120	3,767,699	0.07	0.10
310	-646.35	-724.82	443,871	3,767,804	0.08	0.12
311	-914.14	-620.11	443,604	3,767,909	0.19	0.22
312	-1274.62	-465.62	443,243	3,768,063	0.06	0.06
313	-1659.13	-307.69	442,859	3,768,221	0.05	0.05

314	-1880.57	-216.71	442,637	3,768,312	0.05	0.05
315	-2211.87	-87.97	442,306	3,768,441	0.04	0.04
316	-2512.27	42.49	442,005	3,768,571	0.01	0.02
317	-2622.13	87.12	441,896	3,768,616	0.01	0.01
318	-2737.14	128.32	441,781	3,768,657	0.01	0.01
319	-2833.27	169.52	441,684	3,768,698	0.01	0.01

1-Hour SO2 Concentrations (µg/m^3) from Operational Activities - Project Compared to Baseline

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-2017.7	-1529	442,500	3,767,000	0.3	2.0
2	-1767.7	-1529	442,750	3,767,000	0.7	2.9
3	-1517.7	-1529	443,000	3,767,000	1.7	3.7
4	-1267.7	-1529	443,250	3,767,000	2.2	3.6
5	-1017.7	-1529	443,500	3,767,000	2.4	3.0
6	-767.7	-1529	443,750	3,767,000	2.6	2.2
7	-517.7	-1529	444,000	3,767,000	2.8	1.6
8	-267.7	-1529	444,250	3,767,000	2.9	2.8
9	-17.7	-1529	444,500	3,767,000	1.3	2.9
10	232.3	-1529	444,750	3,767,000	0.6	2.9
11	482.3	-1529	445,000	3,767,000	0.4	2.5
12	732.3	-1529	445,250	3,767,000	(0.6)	1.2
13	982.3	-1529	445,500	3,767,000	(1.6)	(1.8)
14	1232.3	-1529	445,750	3,767,000	(0.7)	(0.9)
15	1482.3	-1529	446,000	3,767,000	3.0	4.2
16	1732.3	-1529	446,250	3,767,000	1.2	1.7
17	1982.3	-1529	446,500	3,767,000	(2.6)	(2.1)
18	2232.3	-1529	446,750	3,767,000	(2.8)	0.8
19	2482.3	-1529	447,000	3,767,000	0.8	5.0
20	2732.3	-1529	447,250	3,767,000	0.1	4.2
21	2982.3	-1529	447,500	3,767,000	1.2	3.8
22	3232.3	-1529	447,750	3,767,000	2.9	2.9
23	3482.3	-1529	448,000	3,767,000	4.3	2.0
24	3732.3	-1529	448,250	3,767,000	3.8	1.8
25	3982.3	-1529	448,500	3,767,000	2.6	2.1
26	4232.3	-1529	448,750	3,767,000	1.6	2.8
27	4482.3	-1529	449,000	3,767,000	1.0	3.2
28	-2017.7	-1279	442,500	3,767,250	0.3	1.5
29	-1767.7	-1279	442,750	3,767,250	0.5	1.8
30	-1517.7	-1279	443,000	3,767,250	0.6	2.9
31	-1267.7	-1279	443,250	3,767,250	1.3	4.0
32	-1017.7	-1279	443,500	3,767,250	2.5	4.5
33	-767.7	-1279	443,750	3,767,250	2.8	4.0
34	-517.7	-1279	444,000	3,767,250	3.0	3.1
35	-267.7	-1279	444,250	3,767,250	3.3	2.1
36	-17.7	-1279	444,500	3,767,250	3.5	3.3
37	232.3	-1279	444,750	3,767,250	1.7	3.5
38	482.3	-1279	445,000	3,767,250	0.5	3.6
39	732.3	-1279	445,250	3,767,250	0.4	3.2
40	982.3	-1279	445,500	3,767,250	(1.6)	(0.7)
41	1232.3	-1279	445,750	3,767,250	(1.5)	(1.7)
42	1482.3	-1279	446,000	3,767,250	2.2	3.5
43	1732.3	-1279	446,250	3,767,250	1.2	1.7

44	1982.3	-1279	446,500	3,767,250	(4.0)	(2.7)
45	2232.3	-1279	446,750	3,767,250	(0.9)	4.1
46	2482.3	-1279	447,000	3,767,250	0.4	4.9
47	2732.3	-1279	447,250	3,767,250	1.6	4.4
48	2982.3	-1279	447,500	3,767,250	3.8	3.3
49	3232.3	-1279	447,750	3,767,250	5.2	2.0
50	3482.3	-1279	448,000	3,767,250	4.0	2.3
51	3732.3	-1279	448,250	3,767,250	2.5	3.2
52	3982.3	-1279	448,500	3,767,250	1.4	3.9
53	4232.3	-1279	448,750	3,767,250	1.6	3.6
54	4482.3	-1279	449,000	3,767,250	1.5	2.9
55	-2017.7	-1029	442,500	3,767,500	2.5	2.3
56	-1767.7	-1029	442,750	3,767,500	1.6	1.9
57	-1517.7	-1029	443,000	3,767,500	0.8	2.1
58	-1267.7	-1029	443,250	3,767,500	1.0	2.9
59	-1017.7	-1029	443,500	3,767,500	1.2	4.3
60	-767.7	-1029	443,750	3,767,500	2.7	5.3
61	-517.7	-1029	444,000	3,767,500	3.4	5.3
62	-267.7	-1029	444,250	3,767,500	3.7	4.6
63	-17.7	-1029	444,500	3,767,500	4.0	3.5
64	232.3	-1029	444,750	3,767,500	4.4	4.0
65	482.3	-1029	445,000	3,767,500	2.5	4.5
66	732.3	-1029	445,250	3,767,500	0.5	4.8
67	982.3	-1029	445,500	3,767,500	0.3	4.0
68	1232.3	-1029	445,750	3,767,500	(2.1)	(2.3)
69	1482.3	-1029	446,000	3,767,500	0.8	2.1
70	1732.3	-1029	446,250	3,767,500	1.2	1.7
71	1982.3	-1029	446,500	3,767,500	(6.0)	(1.4)
72	2232.3	-1029	446,750	3,767,500	0.9	6.8
73	2482.3	-1029	447,000	3,767,500	2.2	5.3
74	2732.3	-1029	447,250	3,767,500	5.1	3.6
75	2982.3	-1029	447,500	3,767,500	6.4	2.9
76	3232.3	-1029	447,750	3,767,500	4.1	3.9
77	3482.3	-1029	448,000	3,767,500	2.2	4.8
78	3732.3	-1029	448,250	3,767,500	1.9	4.1
79	3982.3	-1029	448,500	3,767,500	1.5	2.9
80	4232.3	-1029	448,750	3,767,500	1.4	1.8
81	4482.3	-1029	449,000	3,767,500	1.4	1.5
82	-3017.7	-779	441,500	3,767,750	4.0	2.5
83	-2767.7	-779	441,750	3,767,750	4.5	2.7
84	-2517.7	-779	442,000	3,767,750	5.0	3.3
85	-2267.7	-779	442,250	3,767,750	5.4	4.1
86	-2017.7	-779	442,500	3,767,750	5.9	5.0
87	-1767.7	-779	442,750	3,767,750	5.9	5.4
88	-1517.7	-779	443,000	3,767,750	5.2	5.0

89	-1267.7	-779	443,250	3,767,750	4.3	4.4
90	-1017.7	-779	443,500	3,767,750	3.3	3.5
91	-767.7	-779	443,750	3,767,750	2.3	5.1
92	-517.7	-779	444,000	3,767,750	3.0	6.2
93	732.3	-779	445,250	3,767,750	3.8	6.1
94	982.3	-779	445,500	3,767,750	0.3	6.7
95	1232.3	-779	445,750	3,767,750	(2.0)	2.3
96	1482.3	-779	446,000	3,767,750	(1.0)	(0.4)
97	1732.3	-779	446,250	3,767,750	1.2	1.5
98	1982.3	-779	446,500	3,767,750	(4.1)	4.7
99	2232.3	-779	446,750	3,767,750	3.6	6.5
100	2482.3	-779	447,000	3,767,750	7.0	3.7
101	2732.3	-779	447,250	3,767,750	7.5	5.0
102	2982.3	-779	447,500	3,767,750	3.8	6.3
103	3732.3	-779	448,250	3,767,750	1.9	2.3
104	3982.3	-779	448,500	3,767,750	1.9	2.0
105	4232.3	-779	448,750	3,767,750	1.9	1.7
106	4482.3	-779	449,000	3,767,750	1.8	1.4
107	-3517.7	-529	441,000	3,768,000	2.0	2.0
108	-3267.7	-529	441,250	3,768,000	2.5	2.4
109	-3017.7	-529	441,500	3,768,000	3.1	2.8
110	-2767.7	-529	441,750	3,768,000	3.9	3.3
111	-2517.7	-529	442,000	3,768,000	4.7	3.8
112	-2267.7	-529	442,250	3,768,000	5.5	4.2
113	-2017.7	-529	442,500	3,768,000	6.2	4.3
114	-1767.7	-529	442,750	3,768,000	6.8	3.9
115	-1517.7	-529	443,000	3,768,000	7.8	5.6
116	-1267.7	-529	443,250	3,768,000	9.4	8.2
117	732.3	-529	445,250	3,768,000	7.6	7.3
118	982.3	-529	445,500	3,768,000	6.2	8.9
119	1232.3	-529	445,750	3,768,000	(0.1)	10.9
120	1482.3	-529	446,000	3,768,000	(2.9)	(2.0)
121	1732.3	-529	446,250	3,768,000	0.6	(0.7)
122	1982.3	-529	446,500	3,768,000	7.4	6.6
123	2232.3	-529	446,750	3,768,000	10.8	1.5
124	2482.3	-529	447,000	3,768,000	3.9	5.9
125	2732.3	-529	447,250	3,768,000	1.8	4.6
126	3482.3	-529	448,000	3,768,000	2.9	2.4
127	3732.3	-529	448,250	3,768,000	3.2	1.8
128	3982.3	-529	448,500	3,768,000	2.8	1.5
129	4232.3	-529	448,750	3,768,000	2.5	1.3
130	4482.3	-529	449,000	3,768,000	2.2	1.0
131	-3517.7	-279	441,000	3,768,250	1.0	1.8
132	-3267.7	-279	441,250	3,768,250	1.0	1.9
133	-3017.7	-279	441,500	3,768,250	1.0	1.8

134	-2767.7	-279	441,750	3,768,250	1.4	2.2
135	-2517.7	-279	442,000	3,768,250	2.4	3.1
136	-2267.7	-279	442,250	3,768,250	3.9	4.6
137	-2017.7	-279	442,500	3,768,250	5.6	6.8
138	3482.3	-279	448,000	3,768,250	3.1	2.5
139	3732.3	-279	448,250	3,768,250	2.6	2.2
140	3982.3	-279	448,500	3,768,250	2.2	2.0
141	4232.3	-279	448,750	3,768,250	1.9	1.9
142	4482.3	-279	449,000	3,768,250	1.7	1.8
143	-3517.7	-29	441,000	3,768,500	0.6	1.4
144	-3267.7	-29	441,250	3,768,500	0.6	1.5
145	-3017.7	-29	441,500	3,768,500	0.7	1.6
146	-2767.7	-29	441,750	3,768,500	0.8	1.6
147	-2517.7	-29	442,000	3,768,500	0.4	1.0
148	3482.3	-29	448,000	3,768,500	0.9	3.6
149	3732.3	-29	448,250	3,768,500	0.9	3.3
150	3982.3	-29	448,500	3,768,500	0.9	3.0
151	4232.3	-29	448,750	3,768,500	0.9	2.8
152	4482.3	-29	449,000	3,768,500	0.8	2.6
153	-3517.7	221	441,000	3,768,750	0.4	1.5
154	-3267.7	221	441,250	3,768,750	0.6	1.7
155	-3017.7	221	441,500	3,768,750	1.0	1.8
156	3482.3	221	448,000	3,768,750	(1.0)	3.2
157	3732.3	221	448,250	3,768,750	(0.8)	2.8
158	3982.3	221	448,500	3,768,750	(0.7)	2.5
159	4232.3	221	448,750	3,768,750	(0.6)	2.2
160	4482.3	221	449,000	3,768,750	(0.5)	2.0
161	-3517.7	471	441,000	3,769,000	1.6	1.4
162	-3267.7	471	441,250	3,769,000	1.7	1.3
163	-3017.7	471	441,500	3,769,000	1.8	2.3
164	-2767.7	471	441,750	3,769,000	1.9	3.7
165	-2517.7	471	442,000	3,769,000	2.2	4.6
166	-2267.7	471	442,250	3,769,000	2.5	3.8
167	3232.3	471	447,750	3,769,000	1.5	3.3
168	3482.3	471	448,000	3,769,000	0.8	2.5
169	3732.3	471	448,250	3,769,000	(0.1)	2.4
170	3982.3	471	448,500	3,769,000	(0.5)	2.3
171	4232.3	471	448,750	3,769,000	(0.6)	2.1
172	4482.3	471	449,000	3,769,000	(0.6)	2.0
173	-3517.7	721	441,000	3,769,250	0.9	1.7
174	-3267.7	721	441,250	3,769,250	1.2	2.0
175	-3017.7	721	441,500	3,769,250	1.4	2.4
176	-2767.7	721	441,750	3,769,250	1.6	2.6
177	-2517.7	721	442,000	3,769,250	1.6	2.7
178	-2267.7	721	442,250	3,769,250	1.6	2.8

179	2482.3	721	447,000	3,769,250	6.2	7.0
180	2732.3	721	447,250	3,769,250	3.3	3.6
181	2982.3	721	447,500	3,769,250	1.5	3.7
182	3232.3	721	447,750	3,769,250	1.1	3.8
183	3482.3	721	448,000	3,769,250	1.5	3.6
184	3732.3	721	448,250	3,769,250	1.2	3.0
185	3982.3	721	448,500	3,769,250	1.0	2.4
186	4232.3	721	448,750	3,769,250	0.8	1.9
187	4482.3	721	449,000	3,769,250	0.4	1.6
188	-3267.7	971	441,250	3,769,500	1.4	2.3
189	-3017.7	971	441,500	3,769,500	1.5	2.5
190	-2767.7	971	441,750	3,769,500	1.5	2.6
191	-2517.7	971	442,000	3,769,500	1.6	2.6
192	-2267.7	971	442,250	3,769,500	1.6	2.7
193	-2017.7	971	442,500	3,769,500	1.6	2.7
194	-1767.7	971	442,750	3,769,500	1.7	3.4
195	-1517.7	971	443,000	3,769,500	1.5	4.1
196	-1267.7	971	443,250	3,769,500	1.3	4.7
197	-1017.7	971	443,500	3,769,500	1.2	5.5
198	-767.7	971	443,750	3,769,500	1.0	5.4
199	-517.7	971	444,000	3,769,500	1.6	4.9
200	-267.7	971	444,250	3,769,500	2.1	3.3
201	-17.7	971	444,500	3,769,500	1.9	1.5
202	232.3	971	444,750	3,769,500	1.3	1.7
203	482.3	971	445,000	3,769,500	1.0	2.2
204	732.3	971	445,250	3,769,500	2.6	6.6
205	982.3	971	445,500	3,769,500	4.3	9.2
206	1232.3	971	445,750	3,769,500	3.6	8.4
207	1482.3	971	446,000	3,769,500	0.3	4.3
208	1732.3	971	446,250	3,769,500	1.1	4.9
209	1982.3	971	446,500	3,769,500	4.3	7.6
210	2232.3	971	446,750	3,769,500	3.9	7.3
211	2482.3	971	447,000	3,769,500	4.9	5.7
212	2732.3	971	447,250	3,769,500	5.7	6.0
213	2982.3	971	447,500	3,769,500	4.7	4.2
214	3232.3	971	447,750	3,769,500	2.9	3.0
215	3482.3	971	448,000	3,769,500	1.5	2.6
216	3732.3	971	448,250	3,769,500	1.0	2.8
217	-3267.7	1221	441,250	3,769,750	1.5	2.3
218	-3017.7	1221	441,500	3,769,750	1.5	2.3
219	-2767.7	1221	441,750	3,769,750	1.6	2.4
220	-2517.7	1221	442,000	3,769,750	1.4	2.5
221	-2267.7	1221	442,250	3,769,750	1.2	3.1
222	-2017.7	1221	442,500	3,769,750	1.0	3.6
223	-1767.7	1221	442,750	3,769,750	0.8	4.2

224	-1517.7	1221	443,000	3,769,750	0.7	4.5
225	-1267.7	1221	443,250	3,769,750	0.8	4.4
226	-1017.7	1221	443,500	3,769,750	1.0	4.1
227	-767.7	1221	443,750	3,769,750	1.2	3.5
228	-517.7	1221	444,000	3,769,750	1.6	1.9
229	-267.7	1221	444,250	3,769,750	1.6	1.4
230	-17.7	1221	444,500	3,769,750	1.3	1.6
231	232.3	1221	444,750	3,769,750	1.1	2.0
232	482.3	1221	445,000	3,769,750	2.0	4.4
233	732.3	1221	445,250	3,769,750	3.5	7.1
234	982.3	1221	445,500	3,769,750	3.4	7.4
235	1232.3	1221	445,750	3,769,750	1.8	5.0
236	1482.3	1221	446,000	3,769,750	(0.2)	3.4
237	1732.3	1221	446,250	3,769,750	0.6	3.7
238	1982.3	1221	446,500	3,769,750	3.7	5.2
239	2232.3	1221	446,750	3,769,750	3.7	6.9
240	2482.3	1221	447,000	3,769,750	2.4	5.4
241	2732.3	1221	447,250	3,769,750	3.5	4.6
242	2982.3	1221	447,500	3,769,750	4.2	4.6
243	3232.3	1221	447,750	3,769,750	4.5	4.0
244	3482.3	1221	448,000	3,769,750	3.6	2.6
245	3732.3	1221	448,250	3,769,750	2.4	2.3
246	-2828.12	251.91	441,690	3,768,781	1.7	2.0
247	-2793.79	238.18	441,724	3,768,767	1.7	2.0
248	-2786.92	330.88	441,731	3,768,860	2.5	2.2
249	-2550.03	325.73	441,968	3,768,855	3.3	5.1
250	-2503.68	329.16	442,014	3,768,858	3.5	5.9
251	-2414.42	346.32	442,103	3,768,875	3.9	7.3
252	-2290.83	348.04	442,227	3,768,877	4.5	8.3
253	-2175.82	342.89	442,342	3,768,872	5.2	8.1
254	-2186.12	456.19	442,332	3,768,985	2.7	3.7
255	-2270.23	469.92	442,248	3,768,999	2.5	3.8
256	-2201.57	517.98	442,316	3,769,047	2.2	3.2
257	-2141.49	590.08	442,376	3,769,119	1.8	2.9
258	-2043.64	645.01	442,474	3,769,174	1.6	2.9
259	-1962.96	658.74	442,555	3,769,188	1.5	2.9
260	-1820.49	650.16	442,697	3,769,179	1.5	3.0
261	-1509.79	658.74	443,008	3,769,188	1.4	3.1
262	-1123.56	672.47	443,394	3,769,201	1.5	3.2
263	-915.85	655.31	443,602	3,769,184	1.7	3.5
264	-809.43	657.02	443,708	3,769,186	1.8	4.1
265	-579.4	686.21	443,938	3,769,215	2.1	5.9
266	-291.02	694.79	444,227	3,769,224	1.9	7.1
267	-9.5	711.95	444,508	3,769,241	3.0	5.5
268	373.29	710.24	444,891	3,769,239	1.8	1.6

269	718.33	717.1	445,236	3,769,246	0.5	3.7
270	1056.49	735.99	445,574	3,769,265	5.2	11.4
271	1516.53	761.74	446,034	3,769,291	0.7	5.8
272	1949.11	777.18	446,467	3,769,306	5.5	9.6
273	2330.19	784.05	446,848	3,769,313	6.3	6.9
274	2359.37	615.83	446,877	3,769,145	5.6	7.0
275	2692.39	614.11	447,210	3,769,143	1.6	4.2
276	2809.11	588.36	447,327	3,769,117	1.0	4.5
277	2932.71	514.55	447,450	3,769,043	2.0	4.9
278	2967.04	488.8	447,485	3,769,018	2.1	4.7
279	3083.77	346.32	447,602	3,768,875	0.3	3.5
280	3112.95	202.13	447,631	3,768,731	(1.0)	4.0
281	3291.47	195.27	447,809	3,768,724	(0.9)	3.6
282	3286.32	-86.25	447,804	3,768,443	1.3	4.2
283	3279.46	-278.51	447,797	3,768,250	3.7	2.8
284	3274.31	-415.83	447,792	3,768,113	4.3	2.0
285	3303.49	-536	447,821	3,767,993	2.7	2.8
286	3391.03	-656.16	447,909	3,767,873	2.2	2.8
287	3495.74	-699.07	448,013	3,767,830	2.0	2.6
288	3595.31	-700.79	448,113	3,767,828	2.1	2.4
289	3560.97	-860.43	448,079	3,767,668	1.6	3.2
290	3339.54	-867.29	447,857	3,767,662	1.9	4.8
291	3131.83	-867.29	447,650	3,767,662	3.5	5.7
292	3102.65	-841.55	447,620	3,767,687	3.4	5.9
293	3104.36	-702.5	447,622	3,767,826	1.6	3.8
294	3106.08	-542.86	447,624	3,767,986	2.6	3.4
295	2886.36	-536	447,404	3,767,993	2.2	4.1
296	2869.19	-475.91	447,387	3,768,053	2.8	4.1
297	2634.02	-477.63	447,152	3,768,051	1.9	5.2
298	2355.94	-472.48	446,874	3,768,056	2.9	7.5
299	1974.86	-467.33	446,493	3,768,061	12.2	5.6
300	1509.67	-455.32	446,027	3,768,074	(2.6)	(1.4)
301	1092.54	-455.32	445,610	3,768,074	6.7	10.8
302	733.78	-450.17	445,252	3,768,079	8.2	9.2
303	735.49	-683.62	445,253	3,767,845	5.5	6.5
304	728.63	-856.99	445,246	3,767,672	2.7	6.1
305	469.42	-853.56	444,987	3,767,675	5.3	5.3
306	110.66	-839.83	444,628	3,767,689	4.6	5.3
307	110.66	-1020.07	444,628	3,767,509	4.4	3.3
308	-138.24	-935.96	444,380	3,767,593	4.1	5.2
309	-397.45	-829.53	444,120	3,767,699	3.9	6.8
310	-646.35	-724.82	443,871	3,767,804	2.9	5.9
311	-914.14	-620.11	443,604	3,767,909	7.8	8.4
312	-1274.62	-465.62	443,243	3,768,063	8.7	6.4
313	-1659.13	-307.69	442,859	3,768,221	7.8	9.0

314	-1880.57	-216.71	442,637	3,768,312	6.0	8.2
315	-2211.87	-87.97	442,306	3,768,441	1.6	1.7
316	-2512.27	42.49	442,005	3,768,571	(0.4)	0.6
317	-2622.13	87.12	441,896	3,768,616	0.2	1.4
318	-2737.14	128.32	441,781	3,768,657	0.4	1.6
319	-2833.27	169.52	441,684	3,768,698	0.8	1.8

24-Hour SO2 Concentrations (µg/m^3) from Operational Activities - Project Compared to Baseline

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-2017.7	-1529	442,500	3,767,000	0.1	0.2
2	-1767.7	-1529	442,750	3,767,000	0.1	0.3
3	-1517.7	-1529	443,000	3,767,000	0.2	0.4
4	-1267.7	-1529	443,250	3,767,000	0.2	0.5
5	-1017.7	-1529	443,500	3,767,000	0.2	0.6
6	-767.7	-1529	443,750	3,767,000	0.3	0.6
7	-517.7	-1529	444,000	3,767,000	0.3	0.7
8	-267.7	-1529	444,250	3,767,000	0.3	0.7
9	-17.7	-1529	444,500	3,767,000	0.3	0.7
10	232.3	-1529	444,750	3,767,000	0.3	0.7
11	482.3	-1529	445,000	3,767,000	0.3	0.9
12	732.3	-1529	445,250	3,767,000	0.4	1.2
13	982.3	-1529	445,500	3,767,000	0.4	1.1
14	1232.3	-1529	445,750	3,767,000	0.3	0.8
15	1482.3	-1529	446,000	3,767,000	0.3	0.9
16	1732.3	-1529	446,250	3,767,000	0.4	0.8
17	1982.3	-1529	446,500	3,767,000	0.4	0.6
18	2232.3	-1529	446,750	3,767,000	0.3	0.4
19	2482.3	-1529	447,000	3,767,000	0.1	0.4
20	2732.3	-1529	447,250	3,767,000	0.1	0.4
21	2982.3	-1529	447,500	3,767,000	0.2	0.2
22	3232.3	-1529	447,750	3,767,000	0.2	0.3
23	3482.3	-1529	448,000	3,767,000	0.2	0.3
24	3732.3	-1529	448,250	3,767,000	0.2	0.3
25	3982.3	-1529	448,500	3,767,000	0.1	0.3
26	4232.3	-1529	448,750	3,767,000	0.1	0.2
27	4482.3	-1529	449,000	3,767,000	0.1	0.2
28	-2017.7	-1279	442,500	3,767,250	0.1	0.2
29	-1767.7	-1279	442,750	3,767,250	0.1	0.3
30	-1517.7	-1279	443,000	3,767,250	0.2	0.4
31	-1267.7	-1279	443,250	3,767,250	0.2	0.5
32	-1017.7	-1279	443,500	3,767,250	0.3	0.6
33	-767.7	-1279	443,750	3,767,250	0.3	0.7
34	-517.7	-1279	444,000	3,767,250	0.3	0.8
35	-267.7	-1279	444,250	3,767,250	0.3	0.8
36	-17.7	-1279	444,500	3,767,250	0.4	0.9
37	232.3	-1279	444,750	3,767,250	0.3	0.9
38	482.3	-1279	445,000	3,767,250	0.3	0.8
39	732.3	-1279	445,250	3,767,250	0.5	1.2
40	982.3	-1279	445,500	3,767,250	0.5	1.4
41	1232.3	-1279	445,750	3,767,250	0.4	1.1
42	1482.3	-1279	446,000	3,767,250	0.4	1.1
43	1732.3	-1279	446,250	3,767,250	0.4	1.0

44	1982.3	-1279	446,500	3,767,250	0.5	0.7
45	2232.3	-1279	446,750	3,767,250	0.3	0.5
46	2482.3	-1279	447,000	3,767,250	0.2	0.5
47	2732.3	-1279	447,250	3,767,250	0.2	0.3
48	2982.3	-1279	447,500	3,767,250	0.3	0.4
49	3232.3	-1279	447,750	3,767,250	0.2	0.4
50	3482.3	-1279	448,000	3,767,250	0.2	0.4
51	3732.3	-1279	448,250	3,767,250	0.2	0.3
52	3982.3	-1279	448,500	3,767,250	0.1	0.3
53	4232.3	-1279	448,750	3,767,250	0.1	0.2
54	4482.3	-1279	449,000	3,767,250	0.1	0.2
55	-2017.7	-1029	442,500	3,767,500	0.1	0.3
56	-1767.7	-1029	442,750	3,767,500	0.1	0.3
57	-1517.7	-1029	443,000	3,767,500	0.1	0.3
58	-1267.7	-1029	443,250	3,767,500	0.2	0.5
59	-1017.7	-1029	443,500	3,767,500	0.3	0.6
60	-767.7	-1029	443,750	3,767,500	0.4	0.8
61	-517.7	-1029	444,000	3,767,500	0.4	0.9
62	-267.7	-1029	444,250	3,767,500	0.4	1.0
63	-17.7	-1029	444,500	3,767,500	0.5	1.0
64	232.3	-1029	444,750	3,767,500	0.4	1.0
65	482.3	-1029	445,000	3,767,500	0.4	1.0
66	732.3	-1029	445,250	3,767,500	0.4	1.1
67	982.3	-1029	445,500	3,767,500	0.7	1.7
68	1232.3	-1029	445,750	3,767,500	0.6	1.6
69	1482.3	-1029	446,000	3,767,500	0.6	1.3
70	1732.3	-1029	446,250	3,767,500	0.5	1.2
71	1982.3	-1029	446,500	3,767,500	0.6	0.8
72	2232.3	-1029	446,750	3,767,500	0.3	0.7
73	2482.3	-1029	447,000	3,767,500	0.2	0.5
74	2732.3	-1029	447,250	3,767,500	0.3	0.5
75	2982.3	-1029	447,500	3,767,500	0.3	0.5
76	3232.3	-1029	447,750	3,767,500	0.2	0.4
77	3482.3	-1029	448,000	3,767,500	0.2	0.4
78	3732.3	-1029	448,250	3,767,500	0.1	0.3
79	3982.3	-1029	448,500	3,767,500	0.1	0.2
80	4232.3	-1029	448,750	3,767,500	0.1	0.2
81	4482.3	-1029	449,000	3,767,500	0.1	0.1
82	-3017.7	-779	441,500	3,767,750	0.0	0.3
83	-2767.7	-779	441,750	3,767,750	0.1	0.4
84	-2517.7	-779	442,000	3,767,750	0.1	0.5
85	-2267.7	-779	442,250	3,767,750	0.1	0.5
86	-2017.7	-779	442,500	3,767,750	0.1	0.5
87	-1767.7	-779	442,750	3,767,750	0.1	0.5
88	-1517.7	-779	443,000	3,767,750	0.2	0.5

89	-1267.7	-779	443,250	3,767,750	0.2	0.5
90	-1017.7	-779	443,500	3,767,750	0.3	0.6
91	-767.7	-779	443,750	3,767,750	0.4	0.9
92	-517.7	-779	444,000	3,767,750	0.6	1.1
93	732.3	-779	445,250	3,767,750	0.5	1.3
94	982.3	-779	445,500	3,767,750	0.7	1.6
95	1232.3	-779	445,750	3,767,750	0.9	2.1
96	1482.3	-779	446,000	3,767,750	0.9	1.7
97	1732.3	-779	446,250	3,767,750	0.7	1.5
98	1982.3	-779	446,500	3,767,750	0.7	1.1
99	2232.3	-779	446,750	3,767,750	0.4	0.7
100	2482.3	-779	447,000	3,767,750	0.5	0.7
101	2732.3	-779	447,250	3,767,750	0.3	0.7
102	2982.3	-779	447,500	3,767,750	0.2	0.5
103	3732.3	-779	448,250	3,767,750	0.1	0.2
104	3982.3	-779	448,500	3,767,750	0.1	0.1
105	4232.3	-779	448,750	3,767,750	0.1	0.1
106	4482.3	-779	449,000	3,767,750	0.1	0.1
107	-3517.7	-529	441,000	3,768,000	0.1	0.2
108	-3267.7	-529	441,250	3,768,000	0.1	0.3
109	-3017.7	-529	441,500	3,768,000	0.1	0.3
110	-2767.7	-529	441,750	3,768,000	0.1	0.4
111	-2517.7	-529	442,000	3,768,000	0.1	0.5
112	-2267.7	-529	442,250	3,768,000	0.1	0.6
113	-2017.7	-529	442,500	3,768,000	0.1	0.7
114	-1767.7	-529	442,750	3,768,000	0.1	0.8
115	-1517.7	-529	443,000	3,768,000	0.1	0.7
116	-1267.7	-529	443,250	3,768,000	0.2	0.7
117	732.3	-529	445,250	3,768,000	0.6	1.6
118	982.3	-529	445,500	3,768,000	0.7	1.7
119	1232.3	-529	445,750	3,768,000	1.1	2.2
120	1482.3	-529	446,000	3,768,000	1.4	2.9
121	1732.3	-529	446,250	3,768,000	1.0	2.3
122	1982.3	-529	446,500	3,768,000	0.8	1.7
123	2232.3	-529	446,750	3,768,000	0.6	1.1
124	2482.3	-529	447,000	3,768,000	0.3	0.8
125	2732.3	-529	447,250	3,768,000	0.2	0.5
126	3482.3	-529	448,000	3,768,000	0.1	0.2
127	3732.3	-529	448,250	3,768,000	0.1	0.2
128	3982.3	-529	448,500	3,768,000	0.1	0.2
129	4232.3	-529	448,750	3,768,000	0.1	0.2
130	4482.3	-529	449,000	3,768,000	0.1	0.2
131	-3517.7	-279	441,000	3,768,250	0.1	0.2
132	-3267.7	-279	441,250	3,768,250	0.1	0.2
133	-3017.7	-279	441,500	3,768,250	0.1	0.2

134	-2767.7	-279	441,750	3,768,250	0.2	0.3
135	-2517.7	-279	442,000	3,768,250	0.2	0.5
136	-2267.7	-279	442,250	3,768,250	0.3	0.7
137	-2017.7	-279	442,500	3,768,250	0.3	0.8
138	3482.3	-279	448,000	3,768,250	0.4	0.3
139	3732.3	-279	448,250	3,768,250	0.4	0.2
140	3982.3	-279	448,500	3,768,250	0.3	0.2
141	4232.3	-279	448,750	3,768,250	0.3	0.2
142	4482.3	-279	449,000	3,768,250	0.3	0.2
143	-3517.7	-29	441,000	3,768,500	0.2	0.2
144	-3267.7	-29	441,250	3,768,500	0.2	0.2
145	-3017.7	-29	441,500	3,768,500	0.2	0.2
146	-2767.7	-29	441,750	3,768,500	0.2	0.3
147	-2517.7	-29	442,000	3,768,500	0.2	0.3
148	3482.3	-29	448,000	3,768,500	0.5	0.4
149	3732.3	-29	448,250	3,768,500	0.4	0.3
150	3982.3	-29	448,500	3,768,500	0.4	0.3
151	4232.3	-29	448,750	3,768,500	0.3	0.3
152	4482.3	-29	449,000	3,768,500	0.3	0.2
153	-3517.7	221	441,000	3,768,750	0.2	0.2
154	-3267.7	221	441,250	3,768,750	0.2	0.2
155	-3017.7	221	441,500	3,768,750	0.2	0.2
156	3482.3	221	448,000	3,768,750	0.3	0.3
157	3732.3	221	448,250	3,768,750	0.3	0.3
158	3982.3	221	448,500	3,768,750	0.3	0.3
159	4232.3	221	448,750	3,768,750	0.3	0.3
160	4482.3	221	449,000	3,768,750	0.3	0.3
161	-3517.7	471	441,000	3,769,000	0.1	0.2
162	-3267.7	471	441,250	3,769,000	0.1	0.2
163	-3017.7	471	441,500	3,769,000	0.1	0.2
164	-2767.7	471	441,750	3,769,000	0.2	0.2
165	-2517.7	471	442,000	3,769,000	0.2	0.2
166	-2267.7	471	442,250	3,769,000	0.2	0.2
167	3232.3	471	447,750	3,769,000	0.3	0.4
168	3482.3	471	448,000	3,769,000	0.3	0.4
169	3732.3	471	448,250	3,769,000	0.3	0.3
170	3982.3	471	448,500	3,769,000	0.3	0.3
171	4232.3	471	448,750	3,769,000	0.2	0.2
172	4482.3	471	449,000	3,769,000	0.2	0.2
173	-3517.7	721	441,000	3,769,250	0.1	0.1
174	-3267.7	721	441,250	3,769,250	0.1	0.2
175	-3017.7	721	441,500	3,769,250	0.1	0.2
176	-2767.7	721	441,750	3,769,250	0.1	0.2
177	-2517.7	721	442,000	3,769,250	0.1	0.2
178	-2267.7	721	442,250	3,769,250	0.1	0.2

179	2482.3	721	447,000	3,769,250	0.3	0.7
180	2732.3	721	447,250	3,769,250	0.3	0.7
181	2982.3	721	447,500	3,769,250	0.3	0.6
182	3232.3	721	447,750	3,769,250	0.3	0.5
183	3482.3	721	448,000	3,769,250	0.3	0.5
184	3732.3	721	448,250	3,769,250	0.2	0.4
185	3982.3	721	448,500	3,769,250	0.2	0.3
186	4232.3	721	448,750	3,769,250	0.2	0.3
187	4482.3	721	449,000	3,769,250	0.2	0.2
188	-3267.7	971	441,250	3,769,500	0.1	0.2
189	-3017.7	971	441,500	3,769,500	0.1	0.2
190	-2767.7	971	441,750	3,769,500	0.1	0.2
191	-2517.7	971	442,000	3,769,500	0.1	0.2
192	-2267.7	971	442,250	3,769,500	0.1	0.2
193	-2017.7	971	442,500	3,769,500	0.0	0.2
194	-1767.7	971	442,750	3,769,500	0.0	0.2
195	-1517.7	971	443,000	3,769,500	0.1	0.2
196	-1267.7	971	443,250	3,769,500	0.1	0.2
197	-1017.7	971	443,500	3,769,500	0.1	0.2
198	-767.7	971	443,750	3,769,500	0.2	0.2
199	-517.7	971	444,000	3,769,500	0.2	0.2
200	-267.7	971	444,250	3,769,500	0.2	0.2
201	-17.7	971	444,500	3,769,500	0.2	0.2
202	232.3	971	444,750	3,769,500	0.2	0.3
203	482.3	971	445,000	3,769,500	0.2	0.3
204	732.3	971	445,250	3,769,500	0.2	0.4
205	982.3	971	445,500	3,769,500	0.2	0.5
206	1232.3	971	445,750	3,769,500	0.3	0.5
207	1482.3	971	446,000	3,769,500	0.3	0.4
208	1732.3	971	446,250	3,769,500	0.3	0.5
209	1982.3	971	446,500	3,769,500	0.2	0.4
210	2232.3	971	446,750	3,769,500	0.2	0.5
211	2482.3	971	447,000	3,769,500	0.2	0.5
212	2732.3	971	447,250	3,769,500	0.2	0.5
213	2982.3	971	447,500	3,769,500	0.2	0.5
214	3232.3	971	447,750	3,769,500	0.3	0.5
215	3482.3	971	448,000	3,769,500	0.3	0.4
216	3732.3	971	448,250	3,769,500	0.2	0.4
217	-3267.7	1221	441,250	3,769,750	0.1	0.1
218	-3017.7	1221	441,500	3,769,750	0.0	0.1
219	-2767.7	1221	441,750	3,769,750	0.0	0.1
220	-2517.7	1221	442,000	3,769,750	0.0	0.1
221	-2267.7	1221	442,250	3,769,750	0.0	0.1
222	-2017.7	1221	442,500	3,769,750	0.0	0.1
223	-1767.7	1221	442,750	3,769,750	0.0	0.2

224	-1517.7	1221	443,000	3,769,750	0.1	0.2
225	-1267.7	1221	443,250	3,769,750	0.1	0.2
226	-1017.7	1221	443,500	3,769,750	0.1	0.2
227	-767.7	1221	443,750	3,769,750	0.1	0.2
228	-517.7	1221	444,000	3,769,750	0.1	0.1
229	-267.7	1221	444,250	3,769,750	0.1	0.1
230	-17.7	1221	444,500	3,769,750	0.2	0.2
231	232.3	1221	444,750	3,769,750	0.2	0.2
232	482.3	1221	445,000	3,769,750	0.2	0.2
233	732.3	1221	445,250	3,769,750	0.2	0.3
234	982.3	1221	445,500	3,769,750	0.2	0.4
235	1232.3	1221	445,750	3,769,750	0.2	0.3
236	1482.3	1221	446,000	3,769,750	0.3	0.4
237	1732.3	1221	446,250	3,769,750	0.4	0.5
238	1982.3	1221	446,500	3,769,750	0.2	0.5
239	2232.3	1221	446,750	3,769,750	0.1	0.3
240	2482.3	1221	447,000	3,769,750	0.1	0.4
241	2732.3	1221	447,250	3,769,750	0.1	0.4
242	2982.3	1221	447,500	3,769,750	0.1	0.3
243	3232.3	1221	447,750	3,769,750	0.2	0.3
244	3482.3	1221	448,000	3,769,750	0.2	0.4
245	3732.3	1221	448,250	3,769,750	0.2	0.4
246	-2828.12	251.91	441,690	3,768,781	0.2	0.2
247	-2793.79	238.18	441,724	3,768,767	0.2	0.2
248	-2786.92	330.88	441,731	3,768,860	0.2	0.2
249	-2550.03	325.73	441,968	3,768,855	0.2	0.3
250	-2503.68	329.16	442,014	3,768,858	0.2	0.3
251	-2414.42	346.32	442,103	3,768,875	0.2	0.3
252	-2290.83	348.04	442,227	3,768,877	0.3	0.3
253	-2175.82	342.89	442,342	3,768,872	0.3	0.3
254	-2186.12	456.19	442,332	3,768,985	0.2	0.2
255	-2270.23	469.92	442,248	3,768,999	0.2	0.2
256	-2201.57	517.98	442,316	3,769,047	0.2	0.2
257	-2141.49	590.08	442,376	3,769,119	0.2	0.3
258	-2043.64	645.01	442,474	3,769,174	0.2	0.3
259	-1962.96	658.74	442,555	3,769,188	0.1	0.3
260	-1820.49	650.16	442,697	3,769,179	0.1	0.3
261	-1509.79	658.74	443,008	3,769,188	0.1	0.3
262	-1123.56	672.47	443,394	3,769,201	0.2	0.3
263	-915.85	655.31	443,602	3,769,184	0.2	0.4
264	-809.43	657.02	443,708	3,769,186	0.3	0.4
265	-579.4	686.21	443,938	3,769,215	0.3	0.4
266	-291.02	694.79	444,227	3,769,224	0.3	0.3
267	-9.5	711.95	444,508	3,769,241	0.2	0.3
268	373.29	710.24	444,891	3,769,239	0.3	0.3

269	718.33	717.1	445,236	3,769,246	0.3	0.6
270	1056.49	735.99	445,574	3,769,265	0.3	0.7
271	1516.53	761.74	446,034	3,769,291	0.2	0.3
272	1949.11	777.18	446,467	3,769,306	0.3	0.7
273	2330.19	784.05	446,848	3,769,313	0.2	0.6
274	2359.37	615.83	446,877	3,769,145	0.3	0.8
275	2692.39	614.11	447,210	3,769,143	0.4	0.8
276	2809.11	588.36	447,327	3,769,117	0.5	0.8
277	2932.71	514.55	447,450	3,769,043	0.5	0.7
278	2967.04	488.8	447,485	3,769,018	0.5	0.7
279	3083.77	346.32	447,602	3,768,875	0.4	0.5
280	3112.95	202.13	447,631	3,768,731	0.4	0.4
281	3291.47	195.27	447,809	3,768,724	0.4	0.4
282	3286.32	-86.25	447,804	3,768,443	0.5	0.4
283	3279.46	-278.51	447,797	3,768,250	0.4	0.3
284	3274.31	-415.83	447,792	3,768,113	0.1	0.3
285	3303.49	-536	447,821	3,767,993	0.1	0.2
286	3391.03	-656.16	447,909	3,767,873	0.1	0.2
287	3495.74	-699.07	448,013	3,767,830	0.1	0.2
288	3595.31	-700.79	448,113	3,767,828	0.1	0.2
289	3560.97	-860.43	448,079	3,767,668	0.2	0.3
290	3339.54	-867.29	447,857	3,767,662	0.2	0.4
291	3131.83	-867.29	447,650	3,767,662	0.2	0.5
292	3102.65	-841.55	447,620	3,767,687	0.2	0.5
293	3104.36	-702.5	447,622	3,767,826	0.2	0.4
294	3106.08	-542.86	447,624	3,767,986	0.1	0.3
295	2886.36	-536	447,404	3,767,993	0.2	0.4
296	2869.19	-475.91	447,387	3,768,053	0.2	0.3
297	2634.02	-477.63	447,152	3,768,051	0.2	0.5
298	2355.94	-472.48	446,874	3,768,056	0.4	1.0
299	1974.86	-467.33	446,493	3,768,061	0.8	1.8
300	1509.67	-455.32	446,027	3,768,074	1.7	3.4
301	1092.54	-455.32	445,610	3,768,074	0.8	2.1
302	733.78	-450.17	445,252	3,768,079	0.6	1.8
303	735.49	-683.62	445,253	3,767,845	0.5	1.4
304	728.63	-856.99	445,246	3,767,672	0.5	1.2
305	469.42	-853.56	444,987	3,767,675	0.4	1.2
306	110.66	-839.83	444,628	3,767,689	0.6	1.3
307	110.66	-1020.07	444,628	3,767,509	0.5	1.1
308	-138.24	-935.96	444,380	3,767,593	0.6	1.1
309	-397.45	-829.53	444,120	3,767,699	0.5	1.1
310	-646.35	-724.82	443,871	3,767,804	0.5	1.0
311	-914.14	-620.11	443,604	3,767,909	0.4	0.8
312	-1274.62	-465.62	443,243	3,768,063	0.2	0.8
313	-1659.13	-307.69	442,859	3,768,221	0.1	1.3

314	-1880.57	-216.71	442,637	3,768,312	0.4	0.8
315	-2211.87	-87.97	442,306	3,768,441	0.3	0.6
316	-2512.27	42.49	442,005	3,768,571	0.2	0.2
317	-2622.13	87.12	441,896	3,768,616	0.2	0.2
318	-2737.14	128.32	441,781	3,768,657	0.2	0.2
319	-2833.27	169.52	441,684	3,768,698	0.2	0.2

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Date: July 26, 2022

To: Mike Ratte, Senior Air Quality Scientist
RCH Group

From: Holly Galbreath
Senior Environmental Analyst | Air Quality

Subject: South Airport Cargo Center Project – Mobile Carbon Monoxide Hot Spot Analysis

INTRODUCTION

This memorandum provides a mobile carbon monoxide (CO) analysis for the proposed South Airport Cargo Center Project (Project) to be incorporated into the Project's air quality impact report. Specifically, this analysis determines whether the Project will have a significant impact due to release of emissions from motor vehicles. These releases may create localized concentrations or air toxics "hot spots" where emissions from specific sources may expose individuals and population groups to elevated risks of adverse health effects, including, but not limited to, cancer and contribute to the cumulative health risks of emissions from other sources in the area.

The Project Site consists of approximately 97 acres located at Ontario International Airport (Airport) in the City of Ontario, San Bernardino County. The Project Site includes portions of Assessor Parcel Numbers (APN) 11326106, 11326107, 11326108, 11327101, and 11327102, located in the southern half of the Airport, immediately west of the Cucamonga Canyon Channel and north of Mission Boulevard. The Project would replace existing, underutilized airport related buildings and site improvements with an air cargo center. The Project would include demolition of the existing buildings, site improvements, and the development of a new air cargo center in two phases. Phase 1 would take place on the easternmost 60 acres of the Project site, and Phase 2 would occur on the remaining western 30 acres. A transportation study was prepared for the Project and identified 36 study intersections within the vicinity of the Project Site.[1]

Attachments:
A CALINE Modeling Results

[1] Fehr and Peers, Ontario International Airport Cargo Center Draft Transportation Impact Study, June 2022.

METHODOLOGY

Localized CO concentrations associated with motor vehicle travel on area roadways were evaluated using a screening method based on the California Line Source Dispersion Model (CALINE-4) microscale dispersion model, developed by Caltrans, in combination with EMFAC 2021 emission factors for future year (2040). In traffic studies, the term "level of service" (LOS) describes traffic performance at roadway intersections and is generally expressed as a letter grade (A through F, with an F grade reflecting highly congested traffic conditions).

To establish a more accurate record of baseline CO concentrations affecting the Basin, a CO "hot spot" analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. The busiest intersection evaluated was at Wilshire Boulevard and Veteran Avenue, which has a daily traffic volume of approximately 100,000 vehicles per day. The SCAQMD 2003 AQMP estimated that the 1-hour concentration for this intersection was 4.6 ppm, which indicates that the most stringent 1-hour CO standard (20.0 ppm) would likely not be exceeded until the daily traffic at the intersection exceeded more than 400,000 vehicles per day.[2] Additionally, the SCAQMD also recommends an evaluation of potential localized CO impacts when a project causes the LOS at a study intersection to worsen from C to D, or if a project increases the V/C ratio at any intersection rated D or worse by 2 percent or more.

As provided in the Projects Draft Transportation Impact Study[3], the following traffic forecasts for each scenario, with and without project alternatives, were prepared and LOS was calculated to identify intersection operational deficiencies:

- Under Existing (2021) Conditions, the intersection of Mission Boulevard and Bon View Avenue operates below acceptable LOS policies.
- Under Opening Year (2024) plus Phase 1 Project Conditions, two intersections are forecast to operate below acceptable LOS per City's policies. Although these intersections would operate below LOS standards, the Project will not degrade the intersections or add additional delay to those intersections.
- Under Opening Year (2029) plus Phase 1 and Phase 2 Project Conditions, two intersections are forecast to operate below acceptable LOS. The addition of Project traffic was forecast to add delay to one intersection already operating at LOS E or worse. Infrastructure improvements are recommended to bring operations at that location to better than pre-Project conditions.
- Under Cumulative Year (2040) plus Phase 1 and Phase 2 Project Conditions, three intersections are forecast to operate below acceptable LOS. The addition of project traffic was forecast to add delay at three intersections already operating at LOS E or worse. Infrastructure improvements are recommended to bring operations at that location to better than pre-Project conditions.

None of the Project's studied intersections would exceed 400,000 vehicles per day. Additionally, none of the Project's study intersections worsen from C to D or increase the V/C ratio at any intersection

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[2] South Coast Air Quality Management District, 2003 AQMP Appendix V, August 2003.

[3] Fehr and Peers, Ontario International Airport Cargo Center Draft Transportation Impact Study, June 2022.

rated D or worse by 2 percent or more. As such, the Project would not produce the volume of traffic required to generate a CO hot spot in the context of the 2003 AQMP hot spot study.

To further support this conclusion, CO concentration levels were forecasted at the Project's three most potentially impacted intersections using the CALINE-4 dispersion model developed by Caltrans, peak-hour traffic volumes, and conservative meteorological assumptions. The following intersections were evaluated because the Project's transportation study found that they would operate below LOS standards (i.e. LOS E/F):

1. Euclid Avenue/SR-83 at Mission Boulevard
2. Bon View Avenue at Mission Boulevard
3. Airport Drive at Haven Avenue

RESULTS

As mentioned previously, the three most potentially impacted intersections based on the SCAQMD criteria described above were forecasted using the CALINE-4 dispersion model. As shown in the table below, Project-generated traffic volumes are forecasted to have a negligible effect on the projected 1-hour and 8-hour CO concentrations at each of the three intersection locations analyzed. Thus, the Project would not cause any new or exacerbate any existing CO hot spots, and, as a result, health impacts related to localized mobile-source CO emissions would not be considered significant.

TABLE 1
LOCALIZED CARBON MONOXIDE DISPERSION ANALYSIS

Intersection	Peak Period[a]	Maximum 1-Hour Future without Project concentration[b]	Maximum 1-Hour Future with Project concentration[c]	Significant 1-Hour Impact?[d] (>20 ppm)	Maximum 8-Hour Future without Project concentration[e]	Maximum 8-Hour Future with Project concentration[f]	Significant 8-Hour Impact?[d] (>9.0 ppm)
Euclid Ave (SR-83)/Mission Blvd	AM	2.8	2.8	**No**	1.3	1.3	**No**
	PM	2.8	2.8	**No**	1.3	1.3	**No**
Bon View Ave/Mission Blvd	AM	2.8	2.8	**No**	1.3	1.3	**No**
	PM	2.8	2.8	**No**	1.3	1.3	**No**
Airport Dr/Haven Ave	AM	2.8	2.8	**No**	1.3	1.3	**No**
	PM	2.9	2.9	**No**	1.4	1.4	**No**

*Source: Emission factor and dispersion modeling output sheets are provided in **Attachment A***

[a] *Project contribution to local CO impacts were calculated based on peak hour trip generation rates provided in the Ontario International Airport South Airport Cargo Center Draft Transportation Impact Study for both the future and future plus Project AM and PM peak hours.*

[b] *SCAQMD 1-hour ambient background concentration (2.7 ppm) + 2040 Future No Project Conditions.*

[c] *SCAQMD 1-hour ambient background concentration (2.7 ppm) + 2040 Future Plus Phase 1 and Phase 2 Project Conditions.*

[d] *The most restrictive standard for 1-hour CO concentrations is 20 ppm and for 8-hour concentrations is 9.0 ppm.*

[e] *SCAQMD 8-hour ambient background concentration (1.2 ppm) + 2040 Future No Project Conditions.*

[f] *SCAQMD 8-hour ambient background concentration (1.2 ppm) + 2040 Future Plus Phase 1 and Phase 2 Project Conditions.*

Note: ppm = parts per million.

Attachment A:

CALINE Modeling Results

A.1

Euclid Avenue/SR-83 at Mission Boulevard

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 1. Future w/out Project (AM)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	1.8 M/S	Z0=	100. CM	ALT=	0.0 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	19.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. A	0	0	200	0	AG	3230	0.6	0.0	35.0
B. B	-200	0	0	0	AG	3100	0.6	0.0	35.0
C. C	0	-200	0	0	AG	3020	0.6	0.0	35.0
D. D	0	0	0	200	AG	3490	0.6	0.0	35.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE	25	25	5.9
2. NW	-25	25	5.9
3. SE	25	-25	5.9
4. SW	-25	-25	5.9

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D
1. NE	256.	0.1	0.0	0.1	0.0	0.0
2. NW	104.	0.1	0.1	0.0	0.0	0.0
3. SE	346.	0.1	0.0	0.0	0.0	0.1
4. SW	14.	0.1	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 1. Future w/out Project (PM)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	1.8 M/S	Z0=	100. CM	ALT=	0.0 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	19.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. A	0	0	200	0	AG	3150	0.6	0.0	35.0
B. B	-200	0	0	0	AG	2930	0.6	0.0	35.0
C. C	0	-200	0	0	AG	3390	0.6	0.0	35.0
D. D	0	0	0	200	AG	3490	0.6	0.0	35.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE	25	25	5.9
2. NW	-25	25	5.9
3. SE	25	-25	5.9
4. SW	-25	-25	5.9

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D
1. NE	194.	0.1	0.0	0.0	0.1	0.0
2. NW	104.	0.1	0.1	0.0	0.0	0.0
3. SE	346.	0.1	0.0	0.0	0.0	0.1
4. SW	76.	0.1	0.1	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 1. Future w/ Project (AM)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	1.8 M/S	Z0=	100. CM	ALT=	0.0 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	19.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. A	0	0	200	0	AG	3253	0.6	0.0	35.0
B. B	-200	0	0	0	AG	3115	0.6	0.0	35.0
C. C	0	-200	0	0	AG	3020	0.6	0.0	35.0
D. D	0	0	0	200	AG	3498	0.6	0.0	35.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE	25	25	5.9
2. NW	-25	25	5.9
3. SE	25	-25	5.9
4. SW	-25	-25	5.9

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D
1. NE	256.	0.1	0.0	0.1	0.0	0.0
2. NW	104.	0.1	0.1	0.0	0.0	0.0
3. SE	346.	0.1	0.0	0.0	0.0	0.1
4. SW	14.	0.1	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 1. Future w/ Project (PM)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	1.8 M/S	Z0=	100. CM	ALT=	0.0 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	19.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. A	0	0	200	0	AG	3187	0.6	0.0	35.0
B. B	-200	0	0	0	AG	2954	0.6	0.0	35.0
C. C	0	-200	0	0	AG	3390	0.6	0.0	35.0
D. D	0	0	0	200	AG	3503	0.6	0.0	35.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE	25	25	5.9
2. NW	-25	25	5.9
3. SE	25	-25	5.9
4. SW	-25	-25	5.9

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D
1. NE	194.	0.1	0.0	0.0	0.1	0.0
2. NW	104.	0.1	0.1	0.0	0.0	0.0
3. SE	346.	0.1	0.0	0.0	0.0	0.1
4. SW	76.	0.1	0.1	0.0	0.0	0.0

A.2

Bon View Avenue at Mission Boulevard

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 4. Future w/out Project (AM)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	1.8 M/S	Z0=	100. CM	ALT=	0.0 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	19.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. A	0	0	200	0	AG	2520	0.6	0.0	35.0
B. B	-200	0	0	0	AG	2640	0.6	0.0	35.0
C. C	0	-200	0	0	AG	810	0.6	0.0	35.0
D. D	0	0	0	200	AG	930	0.6	0.0	35.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE	25	25	5.9
2. NW	-25	25	5.9
3. SE	25	-25	5.9
4. SW	-25	-25	5.9

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D
1. NE	257.	0.1	0.0	0.1	0.0	0.0
2. NW	103.	0.1	0.1	0.0	0.0	0.0
3. SE	283.	0.1	0.0	0.1	0.0	0.0
4. SW	77.	0.1	0.1	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: 4. Future w/out Project (PM)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	1.8 M/S	Z0=	100. CM	ALT=	0.0 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	19.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. A	0	0	200	0	AG	3000	0.6	0.0	35.0
B. B	-200	0	0	0	AG	3010	0.6	0.0	35.0
C. C	0	-200	0	0	AG	1190	0.6	0.0	35.0
D. D	0	0	0	200	AG	1300	0.6	0.0	35.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE	25	25	5.9
2. NW	-25	25	5.9
3. SE	25	-25	5.9
4. SW	-25	-25	5.9

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D
1. NE	256.	0.1	0.0	0.1	0.0	0.0
2. NW	104.	0.1	0.1	0.0	0.0	0.0
3. SE	284.	0.1	0.0	0.1	0.0	0.0
4. SW	76.	0.1	0.1	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 4. Future w Project (AM)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U= 1.8 M/S Z0= 100. CM ALT= 0.0 (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 5. DEGREES TEMP= 19.4 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. A	0	0	200	0	AG	2543	0.6	0.0	35.0
B. B	-200	0	0	0	AG	2663	0.6	0.0	35.0
C. C	0	-200	0	0	AG	810	0.6	0.0	35.0
D. D	0	0	0	200	AG	930	0.6	0.0	35.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE	25	25	5.9
2. NW	-25	25	5.9
3. SE	25	-25	5.9
4. SW	-25	-25	5.9

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D
1. NE	257.	0.1	0.0	0.1	0.0	0.0
2. NW	103.	0.1	0.1	0.0	0.0	0.0
3. SE	283.	0.1	0.0	0.1	0.0	0.0
4. SW	77.	0.1	0.1	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 4. Future w Project (PM)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	1.8 M/S	Z0= 100. CM	ALT= 0.0 (M)
BRG=	WORST CASE	VD= 0.0 CM/S	
CLAS=	7 (G)	VS= 0.0 CM/S	
MIXH=	1000. M	AMB= 0.0 PPM	
SIGTH=	5. DEGREES	TEMP= 19.4 DEGREE (C)	

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. A	*	0	0	200	0	* AG	3037	0.6	0.0	35.0
B. B	*	-200	0	0	0	* AG	3047	0.6	0.0	35.0
C. C	*	0	-200	0	0	* AG	1190	0.6	0.0	35.0
D. D	*	0	0	0	200	* AG	1300	0.6	0.0	35.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z
1. NE	*	25	25	5.9
2. NW	*	-25	25	5.9
3. SE	*	25	-25	5.9
4. SW	*	-25	-25	5.9

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	*	BRG (DEG)	*	PRED CONC (PPM)	*	CONC/LINK (PPM) A	B	C	D
1. NE	*	256.	*	0.1	*	0.0	0.1	0.0	0.0
2. NW	*	104.	*	0.1	*	0.1	0.0	0.0	0.0
3. SE	*	284.	*	0.1	*	0.0	0.1	0.0	0.0
4. SW	*	76.	*	0.1	*	0.1	0.0	0.0	0.0

A.3

Airport Drive at Haven Avenue

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 26. Future w/out Project (AM)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	1.8 M/S	Z0=	100. CM	ALT=	0.0 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	19.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. A	0	0	200	0	AG	1940	0.6	0.0	35.0
B. B	-200	0	0	0	AG	1640	0.6	0.0	35.0
C. C	0	-200	0	0	AG	4620	0.6	0.0	35.0
D. D	0	0	0	200	AG	4740	0.6	0.0	35.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE	25	25	5.9
2. NW	-25	25	5.9
3. SE	25	-25	5.9
4. SW	-25	-25	5.9

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D
1. NE	194.	0.1	0.0	0.0	0.1	0.0
2. NW	166.	0.1	0.0	0.0	0.1	0.0
3. SE	346.	0.1	0.0	0.0	0.0	0.1
4. SW	14.	0.1	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: 26. Future w/out Project (PM)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	1.8 M/S	Z0=	100. CM	ALT=	0.0 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	19.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. A	0	0	200	0	AG	2200	0.6	0.0	35.0
B. B	-200	0	0	0	AG	3300	0.6	0.0	35.0
C. C	0	-200	0	0	AG	5510	0.6	0.0	35.0
D. D	0	0	0	200	AG	5370	0.6	0.0	35.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE	25	25	5.9
2. NW	-25	25	5.9
3. SE	25	-25	5.9
4. SW	-25	-25	5.9

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D
1. NE	194.	0.2	0.0	0.0	0.1	0.0
2. NW	166.	0.2	0.0	0.0	0.1	0.0
3. SE	346.	0.2	0.0	0.0	0.0	0.1
4. SW	14.	0.2	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 26. Future w/ Project (AM)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	1.8 M/S	Z0=	100. CM	ALT=	0.0 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	19.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. A	0	0	200	0	AG	1940	0.6	0.0	35.0
B. B	-200	0	0	0	AG	1640	0.6	0.0	35.0
C. C	0	-200	0	0	AG	4642	0.6	0.0	35.0
D. D	0	0	0	200	AG	4762	0.6	0.0	35.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE	25	25	5.9
2. NW	-25	25	5.9
3. SE	25	-25	5.9
4. SW	-25	-25	5.9

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D
1. NE	194.	0.1	0.0	0.0	0.1	0.0
2. NW	166.	0.1	0.0	0.0	0.1	0.0
3. SE	346.	0.1	0.0	0.0	0.0	0.1
4. SW	14.	0.1	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: 26. Future w/ Project (PM)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	1.8 M/S	Z0=	100. CM	ALT=	0.0 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	19.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. A	0	0	200	0	AG	2200	0.6	0.0	35.0
B. B	-200	0	0	0	AG	3300	0.6	0.0	35.0
C. C	0	-200	0	0	AG	5555	0.6	0.0	35.0
D. D	0	0	0	200	AG	5415	0.6	0.0	35.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE	25	25	5.9
2. NW	-25	25	5.9
3. SE	25	-25	5.9
4. SW	-25	-25	5.9

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D
1. NE	194.	0.2	0.0	0.0	0.1	0.0
2. NW	166.	0.2	0.0	0.0	0.1	0.0
3. SE	346.	0.2	0.0	0.0	0.0	0.1
4. SW	14.	0.2	0.0	0.0	0.0	0.1

Attachment B

Construction and Operational Emissions Inventory

Phase 1 Summer	Daily Emissions (pounds/day)											
	ROG	CO	NOX	PM10f	PM10r	PM10e	PM10t	PM2.5f	PM2.5r	PM2.5e	PM2.5t	SO2
2023	3.63	114	29.1	11.2	24.2	0.46	35.8	4.29	3.63	0.45	8.38	0.31
2024	3.43	96.9	17.5	6.87		0.29	7.15	1.85		0.28	2.13	0.22

Phase 1 Winter	Daily Emissions (pounds/day)											
	ROG	CO	NOX	PM10f	PM10r	PM10e	PM10t	PM2.5f	PM2.5r	PM2.5e	PM2.5t	SO2
2023	3.67	113	30.0	11.2	24.2	0.46	35.8	4.29	3.63	0.45	8.38	0.30
2024	3.53	95.5	17.9	6.87		0.29	7.15	1.85		0.28	2.13	0.22

Phase 1 Worst-Case	Daily Emissions (pounds/day)												Total	Onsite Equipment	Diesel
	ROG	CO	NOX	PM10f	PM10r	PM10e	PM10t	PM2.5f	PM2.5r	PM2.5e	PM2.5t	SO2	Annual CO2e (mertic tons)	Annual CO2e (mertic tons)	(gallons)
2023	3.67	114	30.0	11.2	24.2	0.46	35.8	4.29	3.63	0.45	8.38	0.31	2,161	1,486	146,423
2024	3.53	96.9	17.9	6.87	-	0.29	7.15	1.85	-	0.28	2.13	0.22	1,737	967	95,284
SCAQMD Significance Thresholds	75	550	100				150				55	150			241,707
	No	No	No				No				No	No			

	Employee	Gasoline	Vendor/Haul Trucks	Diesel
	Annual CO2e (mertic tons)	(gallons)	Annual CO2e (mertic tons)	(gallons)
	144	16,181	531	52,323
	412	46,234	358	35,301
		62,415		87,624

Phase 2 Summer	Daily Emissions (pounds/day)											
	ROG	CO	NOX	PM10f	PM10r	PM10e	PM10t	PM2.5f	PM2.5r	PM2.5e	PM2.5t	SO2
2025	1.56	58.5	9.14	2.53	24.2	0.22	26.9	0.46	3.63	0.21	4.30	0.13
2026	1.56	58.5	11.4	6.12		0.22	6.34	2.95		0.21	3.16	0.13
2027	2.24	76.8	11.3	6.12		0.23	6.35	2.95		0.23	3.17	0.16
2028	3.05	93.4	17.0	6.87		0.28	7.15	1.85		0.27	2.13	0.21

Phase 2 Winter	Daily Emissions (pounds/day)											
	ROG	CO	NOX	PM10f	PM10r	PM10e	PM10t	PM2.5f	PM2.5r	PM2.5e	PM2.5t	SO2
2025	1.56	58.5	9.27	2.53	24.2	0.22	26.9	0.46	3.63	0.21	4.30	0.13
2026	1.56	58.5	11.7	6.12		0.22	6.34	2.95		0.21	3.16	0.13
2027	2.29	76.2	11.6	6.12		0.23	6.35	2.95		0.23	3.17	0.16
2028	3.13	92.3	17.4	6.87		0.28	7.15	1.85		0.27	2.13	0.21

Phase 2 Worst-Case	Daily Emissions (pounds/day)												Total	Onsite Equipment	Diesel
	ROG	CO	NOX	PM10f	PM10r	PM10e	PM10t	PM2.5f	PM2.5r	PM2.5e	PM2.5t	SO2	Annual CO2e (mertic tons)	Annual CO2e (mertic tons)	(gallons)
2025	1.56	58.5	9.27	2.53	24.2	0.22	26.9	0.46	3.63	0.21	4.30	0.13	469	411	40,504
2026	1.56	58.5	11.7	6.12	-	0.22	6.34	2.95	-	0.21	3.16	0.13	166	128	12,651
2027	2.29	76.8	11.6	6.12	-	0.23	6.35	2.95	-	0.23	3.17	0.16	1,213	854	84,140
2028	3.13	93.4	17.4	6.87	-	0.28	7.15	1.85	-	0.27	2.13	0.21	1,501	835	82,244

	Employee	Gasoline	Vendor/Haul Trucks	Diesel
	Annual CO2e (mertic tons)	(gallons)	Annual CO2e (mertic tons)	(gallons)
2025	7	732	52	5,083
2026	3	387	34	3,330
2027	119	13,377	240	23,616
2028	354	39,726	313	30,792

Annual Operational Emissions (tons) for 2021 Baseline

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft (Non-SACC)	589	121	574	48.6	5.32	5.32

Daily Operational Emissions (pounds) for 2021 Baseline

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft (Non-SACC)	3,225	663	3,147	266	29.2	29.2

Annual Operational Emissions (tons) for Phase 1 (No Project)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft (Non-SACC)	677	135	672	54.2	5.69	5.69

Daily Operational Emissions (pounds) for Phase 1 (No Project)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft (Non-SACC)	3,707	742	3,682	297	31.2	31.2

Annual Operational Emissions (tons) for Phase 1 (Project-Related)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft (SACC)	145	24.3	158	11.3	0.75	0.75
Aircraft (Non-SACC Taxi/Delay)	29.0	4.60	4.00	1.00	0.08	0.08
Grand Total Aircraft	**174**	**28.9**	**162**	**12.3**	**0.83**	**0.83**
APU (SACC)	2.31	0.18	2.81	0.35	0.38	0.38
GSE (SACC)	0.02	0.02	0.03	0.00	0.00	0.00
Employee Motor Vehicles	11.1	0.18	0.99	0.04	0.33	0.13
Delivery Trucks	5.26	0.18	0.45	0.02	0.09	0.04
Emergency Generator	1.92	0.14	0.37	0.27	0.02	0.02
Area Sources	0.05	2.84	0.00	0.00	0.00	0.00
Grand Total	**195**	**32.4**	**166**	**12.9**	**1.65**	**1.40**
Significance Threshold	100	10	10		100	70
	872	**168**	**838**	**67.1**	**7.34**	**7.09**

Daily Operational Emissions (pounds) for Phase 1 (Project-Related)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft (SACC)	796	133	864	61.8	4.11	4.11
Aircraft (Non-SACC Taxi/Delay)	159	25.2	21.9	5.48	0.44	0.44
Grand Total Aircraft	**955**	**158**	**886**	**67.2**	**4.55**	**4.55**
APU (SACC)	12.7	1.00	15.4	1.89	2.07	2.07
GSE (SACC)	0.11	0.12	0.16	0.00	0.01	0.01
Employee Motor Vehicles	60.8	0.96	5.43	0.23	1.82	0.74
Delivery Trucks	28.8	0.97	2.45	0.09	0.47	0.19
Emergency Generator	30.7	2.25	5.91	4.34	0.35	0.35
Area Sources	0.37	15.6	0.00	0.00	0.00	0.00
Grand Total	**1,089**	**179**	**915**	**73.8**	**9.27**	**7.91**
Significance Threshold	550	55	55	150	150	55
	4,796	**921**	**4,598**	**371**	**40.5**	**39.1**

Annual Operational Emissions (tons) for Phase 1 (With Project Compared to Baseline)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft	262	43.4	259	17.9	1.20	1.20
Grand Total	283	47.0	264	18.5	2.02	1.77

Daily Operational Emissions (pounds) for Phase 1 (With Project Compared to Baseline)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft	1,438	238	1,421	97.9	6.58	6.58
Grand Total	1,571	259	1,451	104	11.3	9.94

Annual Operational Emissions (tons) for Phase 1 (With Project Compared to No Project)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft	174	28.9	162	12.3	0.83	0.83
Grand Total	195	32.4	166	12.9	1.65	1.40

Daily Operational Emissions (pounds) for Phase 1 (With Project Copared to No Project)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft	955	158	886	67.2	4.55	4.55
Grand Total	1,068	178	911	70.9	9.0	7.68
	1,089	**179**	**915**	**73.8**	**9.27**	**7.91**

Annual Operational GHG Emissions (metric tons) for 2021 Baseline

	CO_2	CH_4	N_2O	CO_2e	Fuel (gallons)
Aircraft (Non-SACC)	114,797	0	4	115,733	11,774,007

Annual Operational GHG Emissions (metric tons) for Phase 1 (No Project)

	CO_2	CH_4	N_2O	CO_2e	Fuel (gallons)
Aircraft (Non-SACC)	128,013	0	4	129,057	13,129,535

Annual Operational GHG Emissions (metric tons) for Phase 1 (Project-Related)

	CO_2	CH_4	N_2O	CO_2e	Fuel (gallons)		**Compared to Baseline**		
							CO_2e	Fuel (gallons)	
Aircraft (SACC)	46,005	0	1	46,380	4,718,427				
Aircraft (Non-SACC Taxi/Delay)	2,558	0	0	2,579	262,352				
Grand Total Aircraft	48,563	0	1	48,959	4,980,779		62,283	6,336,307	
APU (SACC)	985	0	0	994	100,981	5,081,761	994	100,981	6,437,288
GSE (SACC)	81	0	0	82	7,975		82	7,975	
Employee Motor Vehicles	3,879	0	0	3,902	437,888		3,902	437,888	
Delivery Trucks	1,518	0	0	1,528	150,556		1,528	150,556	
Emergency Generator	353	0	0	353	34,759		353	34,759	
Area Sources	0	0	0	0			0		
Electrical	9,477	1	0	9,525			9,525		
Waste	128	8	0	317			317		
Water	416	5	0	574			574		
Grand Total	**65,399**	**13**	**2**	**66,232**	**195,289**		**79,556**		

Notes:

Aircraft (Non-SACC) are associated with increased taxi times due to the inclusion of SACC operations
Employee motor vehicle and delivery truck emissions based on EMFAC
Area, enregy, waste, ,and water-related emissions based on CalEEMod
Aircraft, APU, and GSE Emission Factors (emission-factors_mar_2018_0.pdf (epa.gov), Emission Factors for Greenhouse Gas Inventories, March 9, 2018
Aircraft fuel usage based on AEDT, APU fuel usage based on Aviation Emissions and Air Quality Handbook, GSE fuel usage based on OFFROAD
Diesel Density 6.943 lb/gal
Jet A Density 6.84 lb/gal
GWP, Intergovernmental Panel on Climate Change, Fourth Assessment
Generator emissions based on USEPA AP-42 Section 3.4

Global Warming Potentials

CO_2	=	1
CH_4	=	28
N_2O	=	265

Annual Operational Emissions (tons) for 2021 Baseline

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft (Non-SACC)	589	121	574	48.6	5.32	5.32

Daily Operational Emissions (pounds) for 2021 Baseline

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft (Non-SACC)	3,225	663	3,147	266	29.2	29.2

Annual Operational Emissions (tons) for Phase 2 (No Project)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft (Non-SACC)	717	142	782	59.7	6.07	6.07

Daily Operational Emissions (pounds) for Phase 2 (No Project)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft (Non-SACC)	3,930	777	4,286	327	33.3	33.3

Annual Operational Emissions (tons) for Phase 2 (Project-Related)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft (SACC)	226	37.8	251	18.0	1.21	1.21
Aircraft (Non-SACC Taxi/Delay)	28.0	4.50	3.00	1.00	0.08	0.08
Grand Total Aircraft	**254**	**42.3**	**254**	**19.0**	**1.29**	**1.29**
APU (SACC)	3.65	0.28	4.46	0.55	0.62	0.62
GSE (SACC)	-	-	-	-	-	-
Employee Motor Vehicles	9.05	0.12	0.69	0.04	0.32	0.13
Delivery Trucks	4.66	0.07	0.36	0.02	0.12	0.05
Emergency Generator	2.69	0.20	0.52	0.38	0.03	0.03
Area Sources	0.06	4.04	0.00	0.00	0.00	0.00
Grand Total	**274**	**47.0**	**260**	**20.0**	**2.38**	**2.11**
Significance Threshold	100	10.0	10		100	70
	991	**189**	**1,042**	**79.7**	**8.45**	**8.18**

Daily Operational Emissions (pounds) for Phase 2 (Project-Related)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft (SACC)	1,238	207	1,373	98.5	6.61	6.61
Aircraft (Non-SACC Taxi/Delay)	153	24.7	16.4	5.48	0.44	0.44
Grand Total Aircraft	**1,392**	**232**	**1,390**	**104**	**7.05**	**7.05**
APU (SACC)	20.0	1.54	24.4	3.03	3.38	3.38
GSE (SACC)	-	-	-	-	-	-
Employee Motor Vehicles	49.6	0.68	3.80	0.21	1.77	0.69
Delivery Trucks	25.5	0.37	1.97	0.12	0.66	0.26
Emergency Generator	30.7	2.25	5.91	4.34	0.35	0.35
Area Sources	0.51	22.2	0.00	0.00	0.00	0.00
Grand Total	**1,518**	**259**	**1,426**	**112**	**13.2**	**11.7**
Significance Threshold	550	55	55	150	150	55
	5,448	**1,036**	**5,712**	**439**	**46.5**	**45.0**

Annual Operational Emissions (tons) for Phase 2 (With Project Compared to Baseline)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft	383	63.1	462	30.1	2.04	2.04
Grand Total	403	67.9	468	31.1	3.13	2.86

Daily Operational Emissions (pounds) for Phase 2 (With Project Compared to Baseline)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft	2,097	346	2,529	165	11.2	11.2
Grand Total	2,223	373	2,565	173	17.3	15.8

Annual Operational Emissions (tons) for Phase 2 (With Project Compared to No Project)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft	254	42.3	254	19.0	1.29	1.29
Grand Total	274	47	260	20.0	2.38	2.11

Daily Operational Emissions (pounds) for Phase 2 (With Project Compared to No Project)

	CO	VOC	NO_x	SO_x	PM_{10}	$PM_{2.5}$
Aircraft	1,392	232	1,390	104	7.05	7.05
Grand Total	1,502	258	1,423	109	13.0	11.6
	1,518	**259**	**1,426**	**111.7**	**13.22**	**11.74**

Annual Operational GHG Emissions (metric tons) for 2021 Baseline

	CO_2	CH_4	N_2O	CO_2e	Fuel (gallons)
Aircraft (Non-SACC)	114,797	0	4	115,733	11,774,007

Annual Operational GHG Emissions (metric tons) for Phase 2 (No Project)

	CO_2	CH_4	N_2O	CO_2e	Fuel (gallons)
Aircraft (Non-SACC)	141,299	0	4	142,451	14,492,216

Annual Operational Emissions (metric tons) for Phase 2 (Project-Related)

	CO_2	CH_4	N_2O	CO_2e	Fuel (gallons)		**Compared to Baseline**	
							CO_2e	Fuel (gallons)
Aircraft (SACC)	73,228	0	2	73,825	7,510,521			
Aircraft (Non-SACC Taxi/Delay)	2,456	0	0	2,476	251,859			
Grand Total Aircraft	75,683	0	2	76,300	7,762,380		103,019	10,480,589
APU (SACC)	1,578	0	0	1,592	161,815	7,924,196	1,592	161,815
GSE (SACC)	-	-	-	-			0	0
Employee Motor Vehicles	3,603	0	0	3,622	406,608		3,622	406,608
Delivery Trucks	2,055	0	0	2,064	203,390		2,064	203,390
Emergency Generator	494	0	0	494	48,662		494	48,662
Area Sources	0	0	0	0			0	
Electrical	15,691	1	0	15,770			15,770	
Waste	180	11	0	446			446	
Water	582	7	0	807			807	
Grand Total	**99,866**	**19**	**3**	**101,096**	**243,548**		**127,815**	

10,642,404

Notes:

Aircraft (Non-SACC) are associated with increased taxi times due to the inclusion of SACC operations
Employee motor vehicle and delivery truck emissions based on EMFAC
Area, enregy, waste, ,and water-related emissions based on CalEEMod
Aircraft, APU, and GSE Emission Factors (emission-factors_mar_2018_0.pdf (epa.gov), Emission Factors for Greenhouse Gas Inventories, March 9, 2018
Aircraft fuel usage based on AEDT, APU fuel usage based on Aviation Emissions and Air Quality Handbook, GSE fuel usage based on OFFROAD
Diesel Density 6.943 lb/gal
Jet A Density 6.84 lb/gal
GWP, Intergovernmental Panel on Climate Change, Fourth Assessment
Generator emissions based on USEPA AP-42 Section 3.4

Global Warming Potentials

CO_2	=	1
CH_4	=	28
N_2O	=	265

Attachment B

Construction and Operational Area/Energy/Waste/Water Source Emissions CalEEMod Output Files

Phase 1

- Annual
- Summer
- Winter

Phase 2

- Annual
- Summer
- Winter

Recycling Plants Fugitive Dust

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Ontario International Airport South Airport Cargo Center Project - Phase 1

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	101.50	1000sqft	1.00	101,500.00	0
General Office Building	7.00	1000sqft	0.00	7,000.00	0
Unrefrigerated Warehouse-No Rail	508.68	1000sqft	5.00	508,675.00	0
Unrefrigerated Warehouse-No Rail	27.00	1000sqft	0.50	27,000.00	0
Enclosed Parking with Elevator	900.00	Space	4.00	271,000.00	0
Other Non-Asphalt Surfaces	2,047.32	1000sqft	47.00	2,047,320.00	0
Parking Lot	33.00	Space	0.30	15,300.00	0
Parking Lot	39.00	Space	5.00	122,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Description

Construction Phase - Project proponent, May 12, 2022

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Trips and VMT - Project Description

Demolition - CHA, November 22, 2021, Updated November 10, 2022

Grading - Project Description

Vehicle Trips - Motor vehicle emissions estimated externally

Energy Use - Calculations due to electrical usage are performed outside of the model and project would not use natural gas.

Construction Off-road Equipment Mitigation - Basic and Enhanced Emission Reduction Measures

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	322088	335588
tblAreaCoating	Area_Nonresidential_Interior	966263	1006763
tblAreaCoating	Area_Parking	147349	150510
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	70.00	87.00
tblConstructionPhase	NumDays	40.00	122.00
tblConstructionPhase	NumDays	1,110.00	154.00
tblConstructionPhase	NumDays	1,110.00	264.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	75.00	155.00
tblConstructionPhase	NumDays	1,110.00	208.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.66	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	2.79	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	2.74	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	3.43	0.00
tblEnergyUse	T24NG	1.98	0.00
tblGrading	AcresOfGrading	122.00	62.00
tblGrading	MaterialImported	0.00	107,000.00
tblLandUse	LandUseSquareFeet	508,680.00	508,675.00
tblLandUse	LandUseSquareFeet	360,000.00	271,000.00
tblLandUse	LandUseSquareFeet	13,200.00	15,300.00
tblLandUse	LandUseSquareFeet	15,600.00	122,200.00
tblLandUse	LotAcreage	2.33	1.00
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	LotAcreage	0.62	0.50
tblLandUse	LotAcreage	11.68	5.00
tblLandUse	LotAcreage	8.10	4.00
tblLandUse	LotAcreage	0.35	5.00
tblOffRoadEquipment	HorsePower	158.00	450.00
tblOffRoadEquipment	HorsePower	89.00	50.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	HorsePower	130.00	350.00
tblOffRoadEquipment	HorsePower	80.00	120.00
tblOffRoadEquipment	HorsePower	247.00	250.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	46.00	10.00
tblOffRoadEquipment	HorsePower	63.00	75.00
tblOffRoadEquipment	HorsePower	63.00	75.00
tblOffRoadEquipment	HorsePower	158.00	425.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	172.00	425.00
tblOffRoadEquipment	HorsePower	172.00	385.00
tblOffRoadEquipment	HorsePower	8.00	250.00
tblOffRoadEquipment	HorsePower	84.00	200.00
tblOffRoadEquipment	HorsePower	84.00	200.00
tblOffRoadEquipment	HorsePower	80.00	120.00
tblOffRoadEquipment	HorsePower	65.00	225.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	503.54	528.91
tblTripsAndVMT	VendorTripNumber	508.00	17.00
tblTripsAndVMT	VendorTripNumber	508.00	100.00
tblTripsAndVMT	VendorTripNumber	508.00	100.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblTripsAndVMT	WorkerTripNumber	1,291.00	43.00
tblTripsAndVMT	WorkerTripNumber	1,291.00	240.00
tblTripsAndVMT	WorkerTripNumber	1,291.00	240.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	123,876,000.00	130,117,437.50

2.0 Emissions Summary

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.7703	7.6488	6.5127	0.0235	1.2055	0.2740	1.4796	0.5141	0.2539	0.7680	0.0000	2,125.3007	2,125.3007	0.4579	0.0829	2,161.4497
2024	0.6286	5.3055	6.7986	0.0189	0.6502	0.1794	0.8296	0.1755	0.1673	0.3428	0.0000	1,712.7465	1,712.7465	0.2731	0.0598	1,737.3812
Maximum	**0.7703**	**7.6488**	**6.7986**	**0.0235**	**1.2055**	**0.2740**	**1.4796**	**0.5141**	**0.2539**	**0.7680**	**0.0000**	**2,125.3007**	**2,125.3007**	**0.4579**	**0.0829**	**2,161.4497**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.2760	2.0863	9.2497	0.0235	0.6758	0.0353	0.7111	0.2563	0.0349	0.2911	0.0000	2,125.2989	2,125.2989	0.4579	0.0829	2,161.4479
2024	0.2983	1.6273	8.0722	0.0189	0.6502	0.0240	0.6742	0.1755	0.0236	0.1991	0.0000	1,712.7453	1,712.7453	0.2731	0.0598	1,737.3801
Maximum	**0.2983**	**2.0863**	**9.2497**	**0.0235**	**0.6758**	**0.0353**	**0.7111**	**0.2563**	**0.0349**	**0.2911**	**0.0000**	**2,125.2989**	**2,125.2989**	**0.4579**	**0.0829**	**2,161.4479**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**58.94**	**71.33**	**-30.13**	**0.00**	**28.54**	**86.94**	**40.01**	**37.39**	**86.14**	**55.87**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2023**	**5-31-2023**	1.7469	0.3449
2	**6-1-2023**	**8-31-2023**	2.5996	0.8207
3	**9-1-2023**	**11-30-2023**	3.1868	0.9812
4	**12-1-2023**	**2-29-2024**	2.3143	0.5239
5	**3-1-2024**	**5-31-2024**	2.2669	0.6560
6	**6-1-2024**	**8-31-2024**	1.5995	0.5740
7	**9-1-2024**	**9-30-2024**	0.1753	0.0897
		Highest	3.1868	0.9812

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.8367	4.2000e-004	0.0466	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0909	0.0909	2.4000e-004	0.0000	0.0968
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	127.8478	0.0000	127.8478	7.5556	0.0000	316.7374
Water						0.0000	0.0000		0.0000	0.0000	47.3982	368.2882	415.6864	4.8993	0.1187	573.5477
Total	**2.8367**	**4.2000e-004**	**0.0466**	**0.0000**	**0.0000**	**1.7000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**1.7000e-004**	**175.2460**	**368.3791**	**543.6251**	**12.4552**	**0.1187**	**890.3820**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.8367	4.2000e-004	0.0466	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0909	0.0909	2.4000e-004	0.0000	0.0968
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	127.8478	0.0000	127.8478	7.5556	0.0000	316.7374
Water						0.0000	0.0000		0.0000	0.0000	47.3982	368.2882	415.6864	4.8993	0.1187	573.5477
Total	**2.8367**	**4.2000e-004**	**0.0466**	**0.0000**	**0.0000**	**1.7000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**1.7000e-004**	**175.2460**	**368.3791**	**543.6251**	**12.4552**	**0.1187**	**890.3820**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2023	6/29/2023	5	87	
2	Site Preparation	Site Preparation	5/26/2023	11/13/2023	5	122	
3	Garage Construction	Building Construction	7/3/2023	2/1/2024	5	154	

4	Building Construction	Building Construction	9/1/2023	9/4/2024	5	264	
5	Apron Paving	Paving	11/15/2023	6/18/2024	5	155	
6	MHE Installation	Building Construction	3/15/2024	12/31/2024	5	208	

Acres of Grading (Site Preparation Phase): 62

Acres of Grading (Grading Phase): 0

Acres of Paving: 56.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	3	8.00	450	0.38
Demolition	Other Construction Equipment	3	8.00	425	0.42
Demolition	Other Material Handling Equipment	1	8.00	168	0.40
Demolition	Other Material Handling Equipment	1	8.00	168	0.40
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Excavators	3	8.00	425	0.38
Site Preparation	Off-Highway Trucks	3	8.00	300	0.38
Site Preparation	Plate Compactors	2	8.00	250	0.43
Site Preparation	Rollers	2	8.00	120	0.38
Site Preparation	Rubber Tired Dozers	2	8.00	250	0.40
Site Preparation	Skid Steer Loaders	2	8.00	225	0.37
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Garage Construction	Cranes	2	7.00	231	0.29
Garage Construction	Forklifts	0	8.00	89	0.20
Garage Construction	Generator Sets	0	8.00	84	0.74
Garage Construction	Pumps	1	8.00	200	0.74

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Garage Construction	Tractors/Loaders/Backhoes	2	8.00	120	0.37
Garage Construction	Welders	0	8.00	46	0.45
Building Construction	Aerial Lifts	5	8.00	75	0.31
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	200	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	120	0.37
Building Construction	Welders	1	8.00	46	0.45
Apron Paving	Graders	1	8.00	200	0.41
Apron Paving	Other Construction Equipment	1	8.00	385	0.42
Apron Paving	Pavers	2	8.00	350	0.42
Apron Paving	Paving Equipment	2	8.00	132	0.36
Apron Paving	Rollers	2	8.00	120	0.38
MHE Installation	Aerial Lifts	3	8.00	75	0.31
MHE Installation	Cranes	0	7.00	231	0.29
MHE Installation	Forklifts	3	8.00	50	0.20
MHE Installation	Generator Sets	0	8.00	84	0.74
MHE Installation	Tractors/Loaders/Backhoes	1	8.00	120	0.37
MHE Installation	Welders	2	8.00	10	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	20.00	0.00	876.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	13,375.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Garage Construction	5	43.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	15	240.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
MHE Installation	9	240.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0947	0.0000	0.0947	0.0143	0.0000	0.0143	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2041	1.8985	1.5843	5.1800e-003		0.0780	0.0780		0.0717	0.0717	0.0000	454.6945	454.6945	0.1471	0.0000	458.3709
Total	**0.2041**	**1.8985**	**1.5843**	**5.1800e-003**	**0.0947**	**0.0780**	**0.1727**	**0.0143**	**0.0717**	**0.0861**	**0.0000**	**454.6945**	**454.6945**	**0.1471**	**0.0000**	**458.3709**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-004	0.0568	0.0151	2.5000e-004	7.5400e-003	3.8000e-004	7.9100e-003	2.0700e-003	3.6000e-004	2.4300e-003	0.0000	25.2199	25.2199	1.5500e-003	4.0100e-003	26.4540
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-003	2.0800e-003	0.0284	8.0000e-005	9.5500e-003	5.0000e-005	9.6000e-003	2.5300e-003	5.0000e-005	2.5900e-003	0.0000	7.5628	7.5628	1.9000e-004	1.9000e-004	7.6249
Total	**3.6000e-003**	**0.0589**	**0.0436**	**3.3000e-004**	**0.0171**	**4.3000e-004**	**0.0175**	**4.6000e-003**	**4.1000e-004**	**5.0200e-003**	**0.0000**	**32.7828**	**32.7828**	**1.7400e-003**	**4.2000e-003**	**34.0789**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0370	0.0000	0.0370	5.5900e-003	0.0000	5.5900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0636	0.2754	2.4848	5.1800e-003		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	454.6939	454.6939	0.1471	0.0000	458.3704
Total	**0.0636**	**0.2754**	**2.4848**	**5.1800e-003**	**0.0370**	**8.4700e-003**	**0.0454**	**5.5900e-003**	**8.4700e-003**	**0.0141**	**0.0000**	**454.6939**	**454.6939**	**0.1471**	**0.0000**	**458.3704**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-004	0.0568	0.0151	2.5000e-004	7.5400e-003	3.8000e-004	7.9100e-003	2.0700e-003	3.6000e-004	2.4300e-003	0.0000	25.2199	25.2199	1.5500e-003	4.0100e-003	26.4540
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-003	2.0800e-003	0.0284	8.0000e-005	9.5500e-003	5.0000e-005	9.6000e-003	2.5300e-003	5.0000e-005	2.5900e-003	0.0000	7.5628	7.5628	1.9000e-004	1.9000e-004	7.6249
Total	**3.6000e-003**	**0.0589**	**0.0436**	**3.3000e-004**	**0.0171**	**4.3000e-004**	**0.0175**	**4.6000e-003**	**4.1000e-004**	**5.0200e-003**	**0.0000**	**32.7828**	**32.7828**	**1.7400e-003**	**4.2000e-003**	**34.0789**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7736	0.0000	0.7736	0.4083	0.0000	0.4083	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2451	2.1275	1.7194	5.8700e-003		0.0892	0.0892		0.0821	0.0821	0.0000	515.5918	515.5918	0.1668	0.0000	519.7607
Total	**0.2451**	**2.1275**	**1.7194**	**5.8700e-003**	**0.7736**	**0.0892**	**0.8628**	**0.4083**	**0.0821**	**0.4904**	**0.0000**	**515.5918**	**515.5918**	**0.1668**	**0.0000**	**519.7607**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0137	0.8675	0.2311	3.8400e-003	0.1151	5.7800e-003	0.1208	0.0316	5.5300e-003	0.0371	0.0000	385.0643	385.0643	0.0236	0.0613	403.9064
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6400e-003	5.1100e-003	0.0698	2.0000e-004	0.0234	1.3000e-004	0.0236	6.2200e-003	1.2000e-004	6.3400e-003	0.0000	18.5594	18.5594	4.7000e-004	4.7000e-004	18.7116
Total	**0.0204**	**0.8726**	**0.3009**	**4.0400e-003**	**0.1385**	**5.9100e-003**	**0.1444**	**0.0378**	**5.6500e-003**	**0.0435**	**0.0000**	**403.6237**	**403.6237**	**0.0241**	**0.0617**	**422.6180**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3017	0.0000	0.3017	0.1592	0.0000	0.1592	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0722	0.3127	2.7926	5.8700e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	515.5912	515.5912	0.1668	0.0000	519.7601
Total	**0.0722**	**0.3127**	**2.7926**	**5.8700e-003**	**0.3017**	**9.6200e-003**	**0.3113**	**0.1592**	**9.6200e-003**	**0.1689**	**0.0000**	**515.5912**	**515.5912**	**0.1668**	**0.0000**	**519.7601**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0137	0.8675	0.2311	3.8400e-003	0.1151	5.7800e-003	0.1208	0.0316	5.5300e-003	0.0371	0.0000	385.0643	385.0643	0.0236	0.0613	403.9064
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6400e-003	5.1100e-003	0.0698	2.0000e-004	0.0234	1.3000e-004	0.0236	6.2200e-003	1.2000e-004	6.3400e-003	0.0000	18.5594	18.5594	4.7000e-004	4.7000e-004	18.7116
Total	**0.0204**	**0.8726**	**0.3009**	**4.0400e-003**	**0.1385**	**5.9100e-003**	**0.1444**	**0.0378**	**5.6500e-003**	**0.0435**	**0.0000**	**403.6237**	**403.6237**	**0.0241**	**0.0617**	**422.6180**

3.4 Garage Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0944	0.9102	0.7408	2.1800e-003		0.0371	0.0371		0.0347	0.0347	0.0000	189.1377	189.1377	0.0352	0.0000	190.0175
Total	**0.0944**	**0.9102**	**0.7408**	**2.1800e-003**		**0.0371**	**0.0371**		**0.0347**	**0.0347**	**0.0000**	**189.1377**	**189.1377**	**0.0352**	**0.0000**	**190.0175**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Garage Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1600e-003	0.0424	0.0158	2.0000e-004	6.9700e-003	2.2000e-004	7.1900e-003	2.0100e-003	2.1000e-004	2.2200e-003	0.0000	19.7198	19.7198	7.3000e-004	2.8600e-003	20.5910
Worker	8.6900e-003	6.6900e-003	0.0913	2.6000e-004	0.0307	1.8000e-004	0.0308	8.1400e-003	1.6000e-004	8.3100e-003	0.0000	24.2967	24.2967	6.2000e-004	6.2000e-004	24.4960
Total	**9.8500e-003**	**0.0491**	**0.1071**	**4.6000e-004**	**0.0376**	**4.0000e-004**	**0.0380**	**0.0102**	**3.7000e-004**	**0.0105**	**0.0000**	**44.0165**	**44.0165**	**1.3500e-003**	**3.4800e-003**	**45.0870**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0244	0.1055	1.0456	2.1800e-003		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	189.1375	189.1375	0.0352	0.0000	190.0173
Total	**0.0244**	**0.1055**	**1.0456**	**2.1800e-003**		**3.2500e-003**	**3.2500e-003**		**3.2500e-003**	**3.2500e-003**	**0.0000**	**189.1375**	**189.1375**	**0.0352**	**0.0000**	**190.0173**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Garage Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1600e-003	0.0424	0.0158	2.0000e-004	6.9700e-003	2.2000e-004	7.1900e-003	2.0100e-003	2.1000e-004	2.2200e-003	0.0000	19.7198	19.7198	7.3000e-004	2.8600e-003	20.5910
Worker	8.6900e-003	6.6900e-003	0.0913	2.6000e-004	0.0307	1.8000e-004	0.0308	8.1400e-003	1.6000e-004	8.3100e-003	0.0000	24.2967	24.2967	6.2000e-004	6.2000e-004	24.4960
Total	**9.8500e-003**	**0.0491**	**0.1071**	**4.6000e-004**	**0.0376**	**4.0000e-004**	**0.0380**	**0.0102**	**3.7000e-004**	**0.0105**	**0.0000**	**44.0165**	**44.0165**	**1.3500e-003**	**3.4800e-003**	**45.0870**

3.4 Garage Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0165	0.1538	0.1355	4.0000e-004		6.1000e-003	6.1000e-003		5.7000e-003	5.7000e-003	0.0000	34.9227	34.9227	6.5000e-003	0.0000	35.0851
Total	**0.0165**	**0.1538**	**0.1355**	**4.0000e-004**		**6.1000e-003**	**6.1000e-003**		**5.7000e-003**	**5.7000e-003**	**0.0000**	**34.9227**	**34.9227**	**6.5000e-003**	**0.0000**	**35.0851**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Garage Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	7.8700e-003	2.8600e-003	4.0000e-005	1.2900e-003	4.0000e-005	1.3300e-003	3.7000e-004	4.0000e-005	4.1000e-004	0.0000	3.5888	3.5888	1.3000e-004	5.2000e-004	3.7477
Worker	1.5000e-003	1.1000e-003	0.0157	5.0000e-005	5.6600e-003	3.0000e-005	5.6900e-003	1.5000e-003	3.0000e-005	1.5300e-003	0.0000	4.3891	4.3891	1.0000e-004	1.1000e-004	4.4232
Total	**1.7100e-003**	**8.9700e-003**	**0.0186**	**9.0000e-005**	**6.9500e-003**	**7.0000e-005**	**7.0200e-003**	**1.8700e-003**	**7.0000e-005**	**1.9400e-003**	**0.0000**	**7.9779**	**7.9779**	**2.3000e-004**	**6.3000e-004**	**8.1709**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5000e-003	0.0195	0.1930	4.0000e-004		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	34.9226	34.9226	6.5000e-003	0.0000	35.0851
Total	**4.5000e-003**	**0.0195**	**0.1930**	**4.0000e-004**		**6.0000e-004**	**6.0000e-004**		**6.0000e-004**	**6.0000e-004**	**0.0000**	**34.9226**	**34.9226**	**6.5000e-003**	**0.0000**	**35.0851**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Garage Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	7.8700e-003	2.8600e-003	4.0000e-005	1.2900e-003	4.0000e-005	1.3300e-003	3.7000e-004	4.0000e-005	4.1000e-004	0.0000	3.5888	3.5888	1.3000e-004	5.2000e-004	3.7477
Worker	1.5000e-003	1.1000e-003	0.0157	5.0000e-005	5.6600e-003	3.0000e-005	5.6900e-003	1.5000e-003	3.0000e-005	1.5300e-003	0.0000	4.3891	4.3891	1.0000e-004	1.1000e-004	4.4232
Total	**1.7100e-003**	**8.9700e-003**	**0.0186**	**9.0000e-005**	**6.9500e-003**	**7.0000e-005**	**7.0200e-003**	**1.8700e-003**	**7.0000e-005**	**1.9400e-003**	**0.0000**	**7.9779**	**7.9779**	**2.3000e-004**	**6.3000e-004**	**8.1709**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1125	1.0898	1.2513	2.6100e-003		0.0434	0.0434		0.0409	0.0409	0.0000	226.1600	226.1600	0.0474	0.0000	227.3457
Total	**0.1125**	**1.0898**	**1.2513**	**2.6100e-003**		**0.0434**	**0.0434**		**0.0409**	**0.0409**	**0.0000**	**226.1600**	**226.1600**	**0.0474**	**0.0000**	**227.3457**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5200e-003	0.1651	0.0613	7.8000e-004	0.0271	8.7000e-004	0.0280	7.8200e-003	8.3000e-004	8.6600e-003	0.0000	76.7375	76.7375	2.8300e-003	0.0111	80.1278
Worker	0.0321	0.0247	0.3373	9.7000e-004	0.1132	6.5000e-004	0.1139	0.0301	6.0000e-004	0.0307	0.0000	89.7109	89.7109	2.2800e-003	2.2800e-003	90.4468
Total	**0.0366**	**0.1898**	**0.3986**	**1.7500e-003**	**0.1403**	**1.5200e-003**	**0.1419**	**0.0379**	**1.4300e-003**	**0.0393**	**0.0000**	**166.4484**	**166.4484**	**5.1100e-003**	**0.0134**	**170.5746**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0304	0.1667	1.5211	2.6100e-003		3.9300e-003	3.9300e-003		3.9300e-003	3.9300e-003	0.0000	226.1597	226.1597	0.0474	0.0000	227.3455
Total	**0.0304**	**0.1667**	**1.5211**	**2.6100e-003**		**3.9300e-003**	**3.9300e-003**		**3.9300e-003**	**3.9300e-003**	**0.0000**	**226.1597**	**226.1597**	**0.0474**	**0.0000**	**227.3455**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5200e-003	0.1651	0.0613	7.8000e-004	0.0271	8.7000e-004	0.0280	7.8200e-003	8.3000e-004	8.6600e-003	0.0000	76.7375	76.7375	2.8300e-003	0.0111	80.1278
Worker	0.0321	0.0247	0.3373	9.7000e-004	0.1132	6.5000e-004	0.1139	0.0301	6.0000e-004	0.0307	0.0000	89.7109	89.7109	2.2800e-003	2.2800e-003	90.4468
Total	**0.0366**	**0.1898**	**0.3986**	**1.7500e-003**	**0.1403**	**1.5200e-003**	**0.1419**	**0.0379**	**1.4300e-003**	**0.0393**	**0.0000**	**166.4484**	**166.4484**	**5.1100e-003**	**0.0134**	**170.5746**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2207	2.1074	2.5806	5.4100e-003		0.0797	0.0797		0.0751	0.0751	0.0000	468.1754	468.1754	0.0979	0.0000	470.6229
Total	**0.2207**	**2.1074**	**2.5806**	**5.4100e-003**		**0.0797**	**0.0797**		**0.0751**	**0.0751**	**0.0000**	**468.1754**	**468.1754**	**0.0979**	**0.0000**	**470.6229**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1100e-003	0.3432	0.1248	1.6000e-003	0.0561	1.8100e-003	0.0579	0.0162	1.7300e-003	0.0179	0.0000	156.5708	156.5708	5.8700e-003	0.0228	163.5008
Worker	0.0621	0.0457	0.6512	1.9400e-003	0.2344	1.2900e-003	0.2356	0.0622	1.1900e-003	0.0634	0.0000	181.6865	181.6865	4.2800e-003	4.3900e-003	183.1010
Total	**0.0712**	**0.3889**	**0.7760**	**3.5400e-003**	**0.2905**	**3.1000e-003**	**0.2936**	**0.0784**	**2.9200e-003**	**0.0814**	**0.0000**	**338.2573**	**338.2573**	**0.0102**	**0.0272**	**346.6018**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0629	0.3451	3.1482	5.4100e-003		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003	0.0000	468.1748	468.1748	0.0979	0.0000	470.6224
Total	**0.0629**	**0.3451**	**3.1482**	**5.4100e-003**		**8.1300e-003**	**8.1300e-003**		**8.1300e-003**	**8.1300e-003**	**0.0000**	**468.1748**	**468.1748**	**0.0979**	**0.0000**	**470.6224**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1100e-003	0.3432	0.1248	1.6000e-003	0.0561	1.8100e-003	0.0579	0.0162	1.7300e-003	0.0179	0.0000	156.5708	156.5708	5.8700e-003	0.0228	163.5008
Worker	0.0621	0.0457	0.6512	1.9400e-003	0.2344	1.2900e-003	0.2356	0.0622	1.1900e-003	0.0634	0.0000	181.6865	181.6865	4.2800e-003	4.3900e-003	183.1010
Total	**0.0712**	**0.3889**	**0.7760**	**3.5400e-003**	**0.2905**	**3.1000e-003**	**0.2936**	**0.0784**	**2.9200e-003**	**0.0814**	**0.0000**	**338.2573**	**338.2573**	**0.0102**	**0.0272**	**346.6018**

3.6 Apron Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0415	0.4515	0.3560	1.0200e-003		0.0181	0.0181		0.0167	0.0167	0.0000	89.9767	89.9767	0.0291	0.0000	90.7042
Paving	1.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0430**	**0.4515**	**0.3560**	**1.0200e-003**		**0.0181**	**0.0181**		**0.0167**	**0.0167**	**0.0000**	**89.9767**	**89.9767**	**0.0291**	**0.0000**	**90.7042**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Apron Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	7.9000e-004	0.0108	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8687	2.8687	7.0000e-005	7.0000e-005	2.8922
Total	**1.0300e-003**	**7.9000e-004**	**0.0108**	**3.0000e-005**	**3.6200e-003**	**2.0000e-005**	**3.6400e-003**	**9.6000e-004**	**2.0000e-005**	**9.8000e-004**	**0.0000**	**2.8687**	**2.8687**	**7.0000e-005**	**7.0000e-005**	**2.8922**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.0548	0.5448	1.0200e-003		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003	0.0000	89.9766	89.9766	0.0291	0.0000	90.7041
Paving	1.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0141**	**0.0548**	**0.5448**	**1.0200e-003**		**1.6900e-003**	**1.6900e-003**		**1.6900e-003**	**1.6900e-003**	**0.0000**	**89.9766**	**89.9766**	**0.0291**	**0.0000**	**90.7041**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Apron Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	7.9000e-004	0.0108	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8687	2.8687	7.0000e-005	7.0000e-005	2.8922
Total	**1.0300e-003**	**7.9000e-004**	**0.0108**	**3.0000e-005**	**3.6200e-003**	**2.0000e-005**	**3.6400e-003**	**9.6000e-004**	**2.0000e-005**	**9.8000e-004**	**0.0000**	**2.8687**	**2.8687**	**7.0000e-005**	**7.0000e-005**	**2.8922**

3.6 Apron Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1455	1.5140	1.3126	3.7900e-003		0.0606	0.0606		0.0557	0.0557	0.0000	333.0089	333.0089	0.1077	0.0000	335.7015
Paving	5.4600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1509**	**1.5140**	**1.3126**	**3.7900e-003**		**0.0606**	**0.0606**		**0.0557**	**0.0557**	**0.0000**	**333.0089**	**333.0089**	**0.1077**	**0.0000**	**335.7015**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Apron Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5400e-003	2.6100e-003	0.0372	1.1000e-004	0.0134	7.0000e-005	0.0135	3.5500e-003	7.0000e-005	3.6200e-003	0.0000	10.3772	10.3772	2.4000e-004	2.5000e-004	10.4580
Total	**3.5400e-003**	**2.6100e-003**	**0.0372**	**1.1000e-004**	**0.0134**	**7.0000e-005**	**0.0135**	**3.5500e-003**	**7.0000e-005**	**3.6200e-003**	**0.0000**	**10.3772**	**10.3772**	**2.4000e-004**	**2.5000e-004**	**10.4580**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0467	0.2025	2.0140	3.7900e-003		6.2300e-003	6.2300e-003		6.2300e-003	6.2300e-003	0.0000	333.0085	333.0085	0.1077	0.0000	335.7011
Paving	5.4600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0522**	**0.2025**	**2.0140**	**3.7900e-003**		**6.2300e-003**	**6.2300e-003**		**6.2300e-003**	**6.2300e-003**	**0.0000**	**333.0085**	**333.0085**	**0.1077**	**0.0000**	**335.7011**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Apron Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5400e-003	2.6100e-003	0.0372	1.1000e-004	0.0134	7.0000e-005	0.0135	3.5500e-003	7.0000e-005	3.6200e-003	0.0000	10.3772	10.3772	2.4000e-004	2.5000e-004	10.4580
Total	**3.5400e-003**	**2.6100e-003**	**0.0372**	**1.1000e-004**	**0.0134**	**7.0000e-005**	**0.0135**	**3.5500e-003**	**7.0000e-005**	**3.6200e-003**	**0.0000**	**10.3772**	**10.3772**	**2.4000e-004**	**2.5000e-004**	**10.4580**

3.7 MHE Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0809	0.6753	1.0313	1.4600e-003		0.0262	0.0262		0.0244	0.0244	0.0000	124.7601	124.7601	0.0385	0.0000	125.7233
Total	**0.0809**	**0.6753**	**1.0313**	**1.4600e-003**		**0.0262**	**0.0262**		**0.0244**	**0.0244**	**0.0000**	**124.7601**	**124.7601**	**0.0385**	**0.0000**	**125.7233**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 MHE Installation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0107	0.4011	0.1458	1.8700e-003	0.0656	2.1200e-003	0.0677	0.0189	2.0300e-003	0.0210	0.0000	182.9592	182.9592	6.8500e-003	0.0266	191.0571
Worker	0.0725	0.0534	0.7610	2.2700e-003	0.2738	1.5100e-003	0.2754	0.0727	1.3900e-003	0.0741	0.0000	212.3078	212.3078	5.0000e-003	5.1300e-003	213.9607
Total	**0.0832**	**0.4545**	**0.9068**	**4.1400e-003**	**0.3394**	**3.6300e-003**	**0.3431**	**0.0917**	**3.4200e-003**	**0.0951**	**0.0000**	**395.2670**	**395.2670**	**0.0119**	**0.0317**	**405.0178**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0192	0.2052	0.9783	1.4600e-003		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	124.7600	124.7600	0.0385	0.0000	125.7231
Total	**0.0192**	**0.2052**	**0.9783**	**1.4600e-003**		**2.1200e-003**	**2.1200e-003**		**2.1200e-003**	**2.1200e-003**	**0.0000**	**124.7600**	**124.7600**	**0.0385**	**0.0000**	**125.7231**

3.7 MHE Installation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0107	0.4011	0.1458	1.8700e-003	0.0656	2.1200e-003	0.0677	0.0189	2.0300e-003	0.0210	0.0000	182.9592	182.9592	6.8500e-003	0.0266	191.0571
Worker	0.0725	0.0534	0.7610	2.2700e-003	0.2738	1.5100e-003	0.2754	0.0727	1.3900e-003	0.0741	0.0000	212.3078	212.3078	5.0000e-003	5.1300e-003	213.9607
Total	**0.0832**	**0.4545**	**0.9068**	**4.1400e-003**	**0.3394**	**3.6300e-003**	**0.3431**	**0.0917**	**3.4200e-003**	**0.0951**	**0.0000**	**395.2670**	**395.2670**	**0.0119**	**0.0317**	**405.0178**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644
General Office Building	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644
Other Non-Asphalt Surfaces	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644
Parking Lot	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644
Unrefrigerated Warehouse-No Rail	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.8367	4.2000e-004	0.0466	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0909	0.0909	2.4000e-004	0.0000	0.0968
Unmitigated	2.8367	4.2000e-004	0.0466	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0909	0.0909	2.4000e-004	0.0000	0.0968

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3460					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4865					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.2900e-003	4.2000e-004	0.0466	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0909	0.0909	2.4000e-004	0.0000	0.0968
Total	**2.8367**	**4.2000e-004**	**0.0466**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**0.0909**	**0.0909**	**2.4000e-004**	**0.0000**	**0.0968**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3460					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4865					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.2900e-003	4.2000e-004	0.0466	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0909	0.0909	2.4000e-004	0.0000	0.0968
Total	**2.8367**	**4.2000e-004**	**0.0466**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**0.0909**	**0.0909**	**2.4000e-004**	**0.0000**	**0.0968**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	415.6864	4.8993	0.1187	573.5477
Unmitigated	415.6864	4.8993	0.1187	573.5477

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	19.2841 / 11.8193	73.9368	0.6341	0.0155	94.4175
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	130.117 / 0	341.7496	4.2652	0.1032	479.1302
Total		**415.6864**	**4.8993**	**0.1187**	**573.5477**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	19.2841 / 11.8193	73.9368	0.6341	0.0155	94.4175
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	130.117 / 0	341.7496	4.2652	0.1032	479.1302
Total		**415.6864**	**4.8993**	**0.1187**	**573.5477**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	127.8478	7.5556	0.0000	316.7374
Unmitigated	127.8478	7.5556	0.0000	316.7374

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	100.91	20.4838	1.2106	0.0000	50.7478
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	528.91	107.3640	6.3450	0.0000	265.9896
Total		**127.8478**	**7.5556**	**0.0000**	**316.7374**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	100.91	20.4838	1.2106	0.0000	50.7478
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	528.91	107.3640	6.3450	0.0000	265.9896
Total		**127.8478**	**7.5556**	**0.0000**	**316.7374**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Ontario International Airport South Airport Cargo Center Project - Phase 1

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	101.50	1000sqft	1.00	101,500.00	0
General Office Building	7.00	1000sqft	0.00	7,000.00	0
Unrefrigerated Warehouse-No Rail	508.68	1000sqft	5.00	508,675.00	0
Unrefrigerated Warehouse-No Rail	27.00	1000sqft	0.50	27,000.00	0
Enclosed Parking with Elevator	900.00	Space	4.00	271,000.00	0
Other Non-Asphalt Surfaces	2,047.32	1000sqft	47.00	2,047,320.00	0
Parking Lot	33.00	Space	0.30	15,300.00	0
Parking Lot	39.00	Space	5.00	122,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Description

Construction Phase - Project proponent, May 12, 2022

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Trips and VMT - Project Description

Demolition - CHA, November 22, 2021, Updated November 10, 2022

Grading - Project Description

Vehicle Trips - Motor vehicle emissions estimated externally

Energy Use - Calculations due to electrical usage are performed outside of the model and project would not use natural gas.

Construction Off-road Equipment Mitigation - Basic and Enhanced Emission Reduction Measures

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	322088	335588
tblAreaCoating	Area_Nonresidential_Interior	966263	1006763
tblAreaCoating	Area_Parking	147349	150510
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	70.00	87.00
tblConstructionPhase	NumDays	40.00	122.00
tblConstructionPhase	NumDays	1,110.00	154.00
tblConstructionPhase	NumDays	1,110.00	264.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	75.00	155.00
tblConstructionPhase	NumDays	1,110.00	208.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.66	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	2.79	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	2.74	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	3.43	0.00
tblEnergyUse	T24NG	1.98	0.00
tblGrading	AcresOfGrading	122.00	62.00
tblGrading	MaterialImported	0.00	107,000.00
tblLandUse	LandUseSquareFeet	508,680.00	508,675.00
tblLandUse	LandUseSquareFeet	360,000.00	271,000.00
tblLandUse	LandUseSquareFeet	13,200.00	15,300.00
tblLandUse	LandUseSquareFeet	15,600.00	122,200.00
tblLandUse	LotAcreage	2.33	1.00
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	LotAcreage	0.62	0.50
tblLandUse	LotAcreage	11.68	5.00
tblLandUse	LotAcreage	8.10	4.00
tblLandUse	LotAcreage	0.35	5.00
tblOffRoadEquipment	HorsePower	158.00	450.00
tblOffRoadEquipment	HorsePower	89.00	50.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	HorsePower	130.00	350.00
tblOffRoadEquipment	HorsePower	80.00	120.00
tblOffRoadEquipment	HorsePower	247.00	250.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	46.00	10.00
tblOffRoadEquipment	HorsePower	63.00	75.00
tblOffRoadEquipment	HorsePower	63.00	75.00
tblOffRoadEquipment	HorsePower	158.00	425.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	172.00	425.00
tblOffRoadEquipment	HorsePower	172.00	385.00
tblOffRoadEquipment	HorsePower	8.00	250.00
tblOffRoadEquipment	HorsePower	84.00	200.00
tblOffRoadEquipment	HorsePower	84.00	200.00
tblOffRoadEquipment	HorsePower	80.00	120.00
tblOffRoadEquipment	HorsePower	65.00	225.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	503.54	528.91
tblTripsAndVMT	VendorTripNumber	508.00	17.00
tblTripsAndVMT	VendorTripNumber	508.00	100.00
tblTripsAndVMT	VendorTripNumber	508.00	100.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblTripsAndVMT	WorkerTripNumber	1,291.00	43.00
tblTripsAndVMT	WorkerTripNumber	1,291.00	240.00
tblTripsAndVMT	WorkerTripNumber	1,291.00	240.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	123,876,000.00	130,117,437.50

2.0 Emissions Summary

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	9.4475	93.3743	85.2132	0.3058	18.9027	3.3615	22.0824	8.3774	3.0964	11.3384	0.0000	30,759.6517	30,759.6517	7.2191	1.5115	31,345.4345
2024	7.4182	66.1944	79.4931	0.2203	6.8692	2.4384	9.0801	1.8508	2.2711	3.9085	0.0000	21,909.7351	21,909.7351	3.9066	0.6679	22,204.2963
Maximum	**9.4475**	**93.3743**	**85.2132**	**0.3058**	**18.9027**	**3.3615**	**22.0824**	**8.3774**	**3.0964**	**11.3384**	**0.0000**	**30,759.6517**	**30,759.6517**	**7.2191**	**1.5115**	**31,345.4345**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.6276	29.0819	113.7696	0.3058	11.1665	0.4593	11.6039	4.2942	0.4546	4.7249	0.0000	30,759.6517	30,759.6517	7.2191	1.5115	31,345.4345
2024	3.4335	17.4732	96.8607	0.2203	6.8692	0.2856	7.1540	1.8508	0.2831	2.1314	0.0000	21,909.7351	21,909.7351	3.9066	0.6679	22,204.2963
Maximum	**3.6276**	**29.0819**	**113.7696**	**0.3058**	**11.1665**	**0.4593**	**11.6039**	**4.2942**	**0.4546**	**4.7249**	**0.0000**	**30,759.6517**	**30,759.6517**	**7.2191**	**1.5115**	**31,345.4345**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	58.13	70.82	-27.88	0.00	30.02	87.16	39.81	39.92	86.26	55.03	0.00	0.00	0.00	0.00	0.00	0.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15.5546	3.3800e-003	0.3731	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003		0.8018	0.8018	2.0900e-003		0.8539
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**15.5546**	**3.3800e-003**	**0.3731**	**3.0000e-005**	**0.0000**	**1.3300e-003**	**1.3300e-003**	**0.0000**	**1.3300e-003**	**1.3300e-003**		**0.8018**	**0.8018**	**2.0900e-003**	**0.0000**	**0.8539**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15.5546	3.3800e-003	0.3731	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003		0.8018	0.8018	2.0900e-003		0.8539
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**15.5546**	**3.3800e-003**	**0.3731**	**3.0000e-005**	**0.0000**	**1.3300e-003**	**1.3300e-003**	**0.0000**	**1.3300e-003**	**1.3300e-003**		**0.8018**	**0.8018**	**2.0900e-003**	**0.0000**	**0.8539**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2023	6/29/2023	5	87	
2	Site Preparation	Site Preparation	5/26/2023	11/13/2023	5	122	
3	Garage Construction	Building Construction	7/3/2023	2/1/2024	5	154	
4	Building Construction	Building Construction	9/1/2023	9/4/2024	5	264	
5	Apron Paving	Paving	11/15/2023	6/18/2024	5	155	
6	MHE Installation	Building Construction	3/15/2024	12/31/2024	5	208	

Acres of Grading (Site Preparation Phase): 62

Acres of Grading (Grading Phase): 0

Acres of Paving: 56.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	3	8.00	450	0.38
Demolition	Other Construction Equipment	3	8.00	425	0.42
Demolition	Other Material Handling Equipment	1	8.00	168	0.40
Demolition	Other Material Handling Equipment	1	8.00	168	0.40

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Excavators	3	8.00	425	0.38
Site Preparation	Off-Highway Trucks	3	8.00	300	0.38
Site Preparation	Plate Compactors	2	8.00	250	0.43
Site Preparation	Rollers	2	8.00	120	0.38
Site Preparation	Rubber Tired Dozers	2	8.00	250	0.40
Site Preparation	Skid Steer Loaders	2	8.00	225	0.37
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Garage Construction	Cranes	2	7.00	231	0.29
Garage Construction	Forklifts	0	8.00	89	0.20
Garage Construction	Generator Sets	0	8.00	84	0.74
Garage Construction	Pumps	1	8.00	200	0.74
Garage Construction	Tractors/Loaders/Backhoes	2	8.00	120	0.37
Garage Construction	Welders	0	8.00	46	0.45
Building Construction	Aerial Lifts	5	8.00	75	0.31
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	200	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	120	0.37
Building Construction	Welders	1	8.00	46	0.45
Apron Paving	Graders	1	8.00	200	0.41
Apron Paving	Other Construction Equipment	1	8.00	385	0.42
Apron Paving	Pavers	2	8.00	350	0.42
Apron Paving	Paving Equipment	2	8.00	132	0.36
Apron Paving	Rollers	2	8.00	120	0.38
MHE Installation	Aerial Lifts	3	8.00	75	0.31
MHE Installation	Cranes	0	7.00	231	0.29

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

MHE Installation	Forklifts	3	8.00	50	0.20
MHE Installation	Generator Sets	0	8.00	84	0.74
MHE Installation	Tractors/Loaders/Backhoes	1	8.00	120	0.37
MHE Installation	Welders	2	8.00	10	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	20.00	0.00	876.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	13,375.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Garage Construction	5	43.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	240.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
MHE Installation	9	240.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1778	0.0000	2.1778	0.3298	0.0000	0.3298			0.0000			0.0000
Off-Road	4.6908	43.6442	36.4213	0.1190		1.7923	1.7923		1.6489	1.6489		11,522.1805	11,522.1805	3.7265		11,615.3432
Total	**4.6908**	**43.6442**	**36.4213**	**0.1190**	**2.1778**	**1.7923**	**3.9701**	**0.3298**	**1.6489**	**1.9787**		**11,522.1805**	**11,522.1805**	**3.7265**		**11,615.3432**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0212	1.2395	0.3461	5.7800e-003	0.1761	8.6900e-003	0.1848	0.0483	8.3200e-003	0.0566		638.8091	638.8091	0.0392	0.1016	670.0678
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0633	0.0426	0.6992	1.9600e-003	0.2236	1.2600e-003	0.2248	0.0593	1.1600e-003	0.0605		200.1282	200.1282	4.7900e-003	4.5000e-003	201.5906
Total	**0.0845**	**1.2822**	**1.0453**	**7.7400e-003**	**0.3996**	**9.9500e-003**	**0.4096**	**0.1075**	**9.4800e-003**	**0.1170**		**838.9373**	**838.9373**	**0.0440**	**0.1061**	**871.6584**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8494	0.0000	0.8494	0.1286	0.0000	0.1286			0.0000			0.0000
Off-Road	1.4609	6.3304	57.1209	0.1190		0.1948	0.1948		0.1948	0.1948	0.0000	11,522.1805	11,522.1805	3.7265		11,615.3432
Total	**1.4609**	**6.3304**	**57.1209**	**0.1190**	**0.8494**	**0.1948**	**1.0441**	**0.1286**	**0.1948**	**0.3234**	**0.0000**	**11,522.1805**	**11,522.1805**	**3.7265**		**11,615.3432**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0212	1.2395	0.3461	5.7800e-003	0.1761	8.6900e-003	0.1848	0.0483	8.3200e-003	0.0566		638.8091	638.8091	0.0392	0.1016	670.0678
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0633	0.0426	0.6992	1.9600e-003	0.2236	1.2600e-003	0.2248	0.0593	1.1600e-003	0.0605		200.1282	200.1282	4.7900e-003	4.5000e-003	201.5906
Total	**0.0845**	**1.2822**	**1.0453**	**7.7400e-003**	**0.3996**	**9.9500e-003**	**0.4096**	**0.1075**	**9.4800e-003**	**0.1170**		**838.9373**	**838.9373**	**0.0440**	**0.1061**	**871.6584**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.6823	0.0000	12.6823	6.6937	0.0000	6.6937			0.0000			0.0000
Off-Road	4.0175	34.8773	28.1874	0.0963		1.4624	1.4624		1.3454	1.3454		9,317.0938	9,317.0938	3.0133		9,392.4272
Total	**4.0175**	**34.8773**	**28.1874**	**0.0963**	**12.6823**	**1.4624**	**14.1447**	**6.6937**	**1.3454**	**8.0391**		**9,317.0938**	**9,317.0938**	**3.0133**		**9,392.4272**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2313	13.4960	3.7679	0.0630	1.9169	0.0947	2.0116	0.5254	0.0906	0.6159		6,955.3696	6,955.3696	0.4269	1.1063	7,295.7154
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1108	0.0746	1.2237	3.4200e-003	0.3912	2.2100e-003	0.3934	0.1038	2.0400e-003	0.1058		350.2244	350.2244	8.3900e-003	7.8800e-003	352.7835
Total	**0.3421**	**13.5706**	**4.9915**	**0.0664**	**2.3081**	**0.0969**	**2.4050**	**0.6291**	**0.0926**	**0.7217**		**7,305.5940**	**7,305.5940**	**0.4353**	**1.1142**	**7,648.4989**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9461	0.0000	4.9461	2.6105	0.0000	2.6105			0.0000			0.0000
Off-Road	1.1828	5.1253	45.7810	0.0963		0.1577	0.1577		0.1577	0.1577	0.0000	9,317.0938	9,317.0938	3.0133		9,392.4272
Total	**1.1828**	**5.1253**	**45.7810**	**0.0963**	**4.9461**	**0.1577**	**5.1038**	**2.6105**	**0.1577**	**2.7682**	**0.0000**	**9,317.0938**	**9,317.0938**	**3.0133**		**9,392.4272**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2313	13.4960	3.7679	0.0630	1.9169	0.0947	2.0116	0.5254	0.0906	0.6159		6,955.3696	6,955.3696	0.4269	1.1063	7,295.7154
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1108	0.0746	1.2237	3.4200e-003	0.3912	2.2100e-003	0.3934	0.1038	2.0400e-003	0.1058		350.2244	350.2244	8.3900e-003	7.8800e-003	352.7835
Total	**0.3421**	**13.5706**	**4.9915**	**0.0664**	**2.3081**	**0.0969**	**2.4050**	**0.6291**	**0.0926**	**0.7217**		**7,305.5940**	**7,305.5940**	**0.4353**	**1.1142**	**7,648.4989**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Garage Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4515	14.0033	11.3961	0.0335		0.5708	0.5708		0.5335	0.5335		3,207.5180	3,207.5180	0.5968		3,222.4371
Total	**1.4515**	**14.0033**	**11.3961**	**0.0335**		**0.5708**	**0.5708**		**0.5335**	**0.5335**		**3,207.5180**	**3,207.5180**	**0.5968**		**3,222.4371**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0182	0.6221	0.2388	3.0900e-003	0.1088	3.4400e-003	0.1123	0.0313	3.2900e-003	0.0346		334.1863	334.1863	0.0124	0.0485	348.9393
Worker	0.1361	0.0917	1.5034	4.2000e-003	0.4806	2.7200e-003	0.4834	0.1275	2.5000e-003	0.1300		430.2757	430.2757	0.0103	9.6900e-003	433.4197
Total	**0.1543**	**0.7138**	**1.7421**	**7.2900e-003**	**0.5895**	**6.1600e-003**	**0.5956**	**0.1588**	**5.7900e-003**	**0.1646**		**764.4619**	**764.4619**	**0.0227**	**0.0582**	**782.3590**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Garage Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3746	1.6235	16.0862	0.0335		0.0500	0.0500		0.0500	0.0500	0.0000	3,207.5180	3,207.5180	0.5968		3,222.4371
Total	**0.3746**	**1.6235**	**16.0862**	**0.0335**		**0.0500**	**0.0500**		**0.0500**	**0.0500**	**0.0000**	**3,207.5180**	**3,207.5180**	**0.5968**		**3,222.4371**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0182	0.6221	0.2388	3.0900e-003	0.1088	3.4400e-003	0.1123	0.0313	3.2900e-003	0.0346		334.1863	334.1863	0.0124	0.0485	348.9393
Worker	0.1361	0.0917	1.5034	4.2000e-003	0.4806	2.7200e-003	0.4834	0.1275	2.5000e-003	0.1300		430.2757	430.2757	0.0103	9.6900e-003	433.4197
Total	**0.1543**	**0.7138**	**1.7421**	**7.2900e-003**	**0.5895**	**6.1600e-003**	**0.5956**	**0.1588**	**5.7900e-003**	**0.1646**		**764.4619**	**764.4619**	**0.0227**	**0.0582**	**782.3590**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Garage Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3752	12.8194	11.2944	0.0335		0.5084	0.5084		0.4748	0.4748		3,207.9705	3,207.9705	0.5969		3,222.8932
Total	**1.3752**	**12.8194**	**11.2944**	**0.0335**		**0.5084**	**0.5084**		**0.4748**	**0.4748**		**3,207.9705**	**3,207.9705**	**0.5969**		**3,222.8932**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0178	0.6248	0.2349	3.0500e-003	0.1088	3.4600e-003	0.1123	0.0313	3.3100e-003	0.0346		329.4309	329.4309	0.0124	0.0479	344.0018
Worker	0.1271	0.0819	1.4018	4.0800e-003	0.4806	2.6000e-003	0.4832	0.1275	2.4000e-003	0.1299		421.0073	421.0073	9.3400e-003	9.0200e-003	423.9279
Total	**0.1448**	**0.7067**	**1.6367**	**7.1300e-003**	**0.5895**	**6.0600e-003**	**0.5955**	**0.1588**	**5.7100e-003**	**0.1645**		**750.4382**	**750.4382**	**0.0217**	**0.0569**	**767.9297**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Garage Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3746	1.6235	16.0862	0.0335		0.0500	0.0500		0.0500	0.0500	0.0000	3,207.9705	3,207.9705	0.5969		3,222.8932
Total	**0.3746**	**1.6235**	**16.0862**	**0.0335**		**0.0500**	**0.0500**		**0.0500**	**0.0500**	**0.0000**	**3,207.9705**	**3,207.9705**	**0.5969**		**3,222.8932**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0178	0.6248	0.2349	3.0500e-003	0.1088	3.4600e-003	0.1123	0.0313	3.3100e-003	0.0346		329.4309	329.4309	0.0124	0.0479	344.0018
Worker	0.1271	0.0819	1.4018	4.0800e-003	0.4806	2.6000e-003	0.4832	0.1275	2.4000e-003	0.1299		421.0073	421.0073	9.3400e-003	9.0200e-003	423.9279
Total	**0.1448**	**0.7067**	**1.6367**	**7.1300e-003**	**0.5895**	**6.0600e-003**	**0.5955**	**0.1588**	**5.7100e-003**	**0.1645**		**750.4382**	**750.4382**	**0.0217**	**0.0569**	**767.9297**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6152	25.3446	29.1007	0.0608		1.0081	1.0081		0.9504	0.9504		5,797.6438	5,797.6438	1.2159		5,828.0414
Total	**2.6152**	**25.3446**	**29.1007**	**0.0608**		**1.0081**	**1.0081**		**0.9504**	**0.9504**		**5,797.6438**	**5,797.6438**	**1.2159**		**5,828.0414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1073	3.6594	1.4044	0.0182	0.6402	0.0202	0.6604	0.1843	0.0193	0.2037		1,965.8016	1,965.8016	0.0728	0.2851	2,052.5840
Worker	0.7596	0.5117	8.3909	0.0235	2.6826	0.0152	2.6978	0.7115	0.0140	0.7254		2,401.5386	2,401.5386	0.0575	0.0541	2,419.0869
Total	**0.8668**	**4.1711**	**9.7953**	**0.0417**	**3.3228**	**0.0354**	**3.3582**	**0.8958**	**0.0333**	**0.9291**		**4,367.3402**	**4,367.3402**	**0.1303**	**0.3392**	**4,471.6709**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7070	3.8776	35.3734	0.0608		0.0913	0.0913		0.0913	0.0913	0.0000	5,797.6438	5,797.6438	1.2159		5,828.0414
Total	**0.7070**	**3.8776**	**35.3734**	**0.0608**		**0.0913**	**0.0913**		**0.0913**	**0.0913**	**0.0000**	**5,797.6438**	**5,797.6438**	**1.2159**		**5,828.0414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1073	3.6594	1.4044	0.0182	0.6402	0.0202	0.6604	0.1843	0.0193	0.2037		1,965.8016	1,965.8016	0.0728	0.2851	2,052.5840
Worker	0.7596	0.5117	8.3909	0.0235	2.6826	0.0152	2.6978	0.7115	0.0140	0.7254		2,401.5386	2,401.5386	0.0575	0.0541	2,419.0869
Total	**0.8668**	**4.1711**	**9.7953**	**0.0417**	**3.3228**	**0.0354**	**3.3582**	**0.8958**	**0.0333**	**0.9291**		**4,367.3402**	**4,367.3402**	**0.1303**	**0.3392**	**4,471.6709**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4799	23.6790	28.9951	0.0608		0.8953	0.8953		0.8435	0.8435		5,798.5957	5,798.5957	1.2126		5,828.9096
Total	**2.4799**	**23.6790**	**28.9951**	**0.0608**		**0.8953**	**0.8953**		**0.8435**	**0.8435**		**5,798.5957**	**5,798.5957**	**1.2126**		**5,828.9096**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1046	3.6750	1.3816	0.0179	0.6402	0.0203	0.6605	0.1843	0.0195	0.2038		1,937.8288	1,937.8288	0.0728	0.2815	2,023.5401
Worker	0.7091	0.4573	7.8242	0.0228	2.6826	0.0145	2.6972	0.7115	0.0134	0.7248		2,349.8084	2,349.8084	0.0521	0.0503	2,366.1092
Total	**0.8138**	**4.1323**	**9.2058**	**0.0407**	**3.3228**	**0.0349**	**3.3577**	**0.8958**	**0.0328**	**0.9286**		**4,287.6371**	**4,287.6371**	**0.1249**	**0.3319**	**4,389.6493**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7070	3.8776	35.3734	0.0608		0.0913	0.0913		0.0913	0.0913	0.0000	5,798.5957	5,798.5957	1.2126		5,828.9096
Total	**0.7070**	**3.8776**	**35.3734**	**0.0608**		**0.0913**	**0.0913**		**0.0913**	**0.0913**	**0.0000**	**5,798.5957**	**5,798.5957**	**1.2126**		**5,828.9096**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1046	3.6750	1.3816	0.0179	0.6402	0.0203	0.6605	0.1843	0.0195	0.2038		1,937.8288	1,937.8288	0.0728	0.2815	2,023.5401
Worker	0.7091	0.4573	7.8242	0.0228	2.6826	0.0145	2.6972	0.7115	0.0134	0.7248		2,349.8084	2,349.8084	0.0521	0.0503	2,366.1092
Total	**0.8138**	**4.1323**	**9.2058**	**0.0407**	**3.3228**	**0.0349**	**3.3577**	**0.8958**	**0.0328**	**0.9286**		**4,287.6371**	**4,287.6371**	**0.1249**	**0.3319**	**4,389.6493**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Apron Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5141	27.3643	21.5770	0.0621		1.0987	1.0987		1.0108	1.0108		6,011.0517	6,011.0517	1.9441		6,059.6541
Paving	0.0896					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.6036**	**27.3643**	**21.5770**	**0.0621**		**1.0987**	**1.0987**		**1.0108**	**1.0108**		**6,011.0517**	**6,011.0517**	**1.9441**		**6,059.6541**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0633	0.0426	0.6992	1.9600e-003	0.2236	1.2600e-003	0.2248	0.0593	1.1600e-003	0.0605		200.1282	200.1282	4.7900e-003	4.5000e-003	201.5906
Total	**0.0633**	**0.0426**	**0.6992**	**1.9600e-003**	**0.2236**	**1.2600e-003**	**0.2248**	**0.0593**	**1.1600e-003**	**0.0605**		**200.1282**	**200.1282**	**4.7900e-003**	**4.5000e-003**	**201.5906**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Apron Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7661	3.3197	33.0169	0.0621		0.1021	0.1021		0.1021	0.1021	0.0000	6,011.0517	6,011.0517	1.9441		6,059.6540
Paving	0.0896					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8557**	**3.3197**	**33.0169**	**0.0621**		**0.1021**	**0.1021**		**0.1021**	**0.1021**	**0.0000**	**6,011.0517**	**6,011.0517**	**1.9441**		**6,059.6540**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0633	0.0426	0.6992	1.9600e-003	0.2236	1.2600e-003	0.2248	0.0593	1.1600e-003	0.0605		200.1282	200.1282	4.7900e-003	4.5000e-003	201.5906
Total	**0.0633**	**0.0426**	**0.6992**	**1.9600e-003**	**0.2236**	**1.2600e-003**	**0.2248**	**0.0593**	**1.1600e-003**	**0.0605**		**200.1282**	**200.1282**	**4.7900e-003**	**4.5000e-003**	**201.5906**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Apron Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3847	24.8189	21.5181	0.0622		0.9926	0.9926		0.9132	0.9132		6,017.6970	6,017.6970	1.9463		6,066.3531
Paving	0.0896					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4743**	**24.8189**	**21.5181**	**0.0622**		**0.9926**	**0.9926**		**0.9132**	**0.9132**		**6,017.6970**	**6,017.6970**	**1.9463**		**6,066.3531**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0591	0.0381	0.6520	1.9000e-003	0.2236	1.2100e-003	0.2248	0.0593	1.1100e-003	0.0604		195.8174	195.8174	4.3400e-003	4.1900e-003	197.1758
Total	**0.0591**	**0.0381**	**0.6520**	**1.9000e-003**	**0.2236**	**1.2100e-003**	**0.2248**	**0.0593**	**1.1100e-003**	**0.0604**		**195.8174**	**195.8174**	**4.3400e-003**	**4.1900e-003**	**197.1758**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Apron Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7661	3.3197	33.0169	0.0622		0.1021	0.1021		0.1021	0.1021	0.0000	6,017.6970	6,017.6970	1.9463		6,066.3531
Paving	0.0896					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8557**	**3.3197**	**33.0169**	**0.0622**		**0.1021**	**0.1021**		**0.1021**	**0.1021**	**0.0000**	**6,017.6970**	**6,017.6970**	**1.9463**		**6,066.3531**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0591	0.0381	0.6520	1.9000e-003	0.2236	1.2100e-003	0.2248	0.0593	1.1100e-003	0.0604		195.8174	195.8174	4.3400e-003	4.1900e-003	197.1758
Total	**0.0591**	**0.0381**	**0.6520**	**1.9000e-003**	**0.2236**	**1.2100e-003**	**0.2248**	**0.0593**	**1.1100e-003**	**0.0604**		**195.8174**	**195.8174**	**4.3400e-003**	**4.1900e-003**	**197.1758**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 MHE Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7775	6.4936	9.9163	0.0140		0.2521	0.2521		0.2343	0.2343		1,322.3508	1,322.3508	0.4083		1,332.5593
Total	**0.7775**	**6.4936**	**9.9163**	**0.0140**		**0.2521**	**0.2521**		**0.2343**	**0.2343**		**1,322.3508**	**1,322.3508**	**0.4083**		**1,332.5593**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1046	3.6750	1.3816	0.0179	0.6402	0.0203	0.6605	0.1843	0.0195	0.2038		1,937.8288	1,937.8288	0.0728	0.2815	2,023.5401
Worker	0.7091	0.4573	7.8242	0.0228	2.6826	0.0145	2.6972	0.7115	0.0134	0.7248		2,349.8084	2,349.8084	0.0521	0.0503	2,366.1092
Total	**0.8138**	**4.1323**	**9.2058**	**0.0407**	**3.3228**	**0.0349**	**3.3577**	**0.8958**	**0.0328**	**0.9286**		**4,287.6371**	**4,287.6371**	**0.1249**	**0.3319**	**4,389.6493**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 MHE Installation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1843	1.9732	9.4068	0.0140		0.0203	0.0203		0.0203	0.0203	0.0000	1,322.3508	1,322.3508	0.4083		1,332.5593
Total	**0.1843**	**1.9732**	**9.4068**	**0.0140**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**1,322.3508**	**1,322.3508**	**0.4083**		**1,332.5593**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1046	3.6750	1.3816	0.0179	0.6402	0.0203	0.6605	0.1843	0.0195	0.2038		1,937.8288	1,937.8288	0.0728	0.2815	2,023.5401
Worker	0.7091	0.4573	7.8242	0.0228	2.6826	0.0145	2.6972	0.7115	0.0134	0.7248		2,349.8084	2,349.8084	0.0521	0.0503	2,366.1092
Total	**0.8138**	**4.1323**	**9.2058**	**0.0407**	**3.3228**	**0.0349**	**3.3577**	**0.8958**	**0.0328**	**0.9286**		**4,287.6371**	**4,287.6371**	**0.1249**	**0.3319**	**4,389.6493**

4.0 Operational Detail - Mobile

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644
General Office Building	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644
Other Non-Asphalt Surfaces	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644
Parking Lot	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644
Unrefrigerated Warehouse-No Rail	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.5546	3.3800e-003	0.3731	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003		0.8018	0.8018	2.0900e-003		0.8539
Unmitigated	15.5546	3.3800e-003	0.3731	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003		0.8018	0.8018	2.0900e-003		0.8539

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.8957					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.6245					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0344	3.3800e-003	0.3731	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003		0.8018	0.8018	2.0900e-003		0.8539
Total	**15.5546**	**3.3800e-003**	**0.3731**	**3.0000e-005**		**1.3300e-003**	**1.3300e-003**		**1.3300e-003**	**1.3300e-003**		**0.8018**	**0.8018**	**2.0900e-003**		**0.8539**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.8957					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.6245					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0344	3.3800e-003	0.3731	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003		0.8018	0.8018	2.0900e-003		0.8539
Total	**15.5546**	**3.3800e-003**	**0.3731**	**3.0000e-005**		**1.3300e-003**	**1.3300e-003**		**1.3300e-003**	**1.3300e-003**		**0.8018**	**0.8018**	**2.0900e-003**		**0.8539**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Ontario International Airport South Airport Cargo Center Project - Phase 1

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	101.50	1000sqft	1.00	101,500.00	0
General Office Building	7.00	1000sqft	0.00	7,000.00	0
Unrefrigerated Warehouse-No Rail	508.68	1000sqft	5.00	508,675.00	0
Unrefrigerated Warehouse-No Rail	27.00	1000sqft	0.50	27,000.00	0
Enclosed Parking with Elevator	900.00	Space	4.00	271,000.00	0
Other Non-Asphalt Surfaces	2,047.32	1000sqft	47.00	2,047,320.00	0
Parking Lot	33.00	Space	0.30	15,300.00	0
Parking Lot	39.00	Space	5.00	122,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Description

Construction Phase - Project proponent, May 12, 2022

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Trips and VMT - Project Description

Demolition - CHA, November 22, 2021, Updated November 10, 2022

Grading - Project Description

Vehicle Trips - Motor vehicle emissions estimated externally

Energy Use - Calculations due to electrical usage are performed outside of the model and project would not use natural gas.

Construction Off-road Equipment Mitigation - Basic and Enhanced Emission Reduction Measures

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	322088	335588
tblAreaCoating	Area_Nonresidential_Interior	966263	1006763
tblAreaCoating	Area_Parking	147349	150510
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	70.00	87.00
tblConstructionPhase	NumDays	40.00	122.00
tblConstructionPhase	NumDays	1,110.00	154.00
tblConstructionPhase	NumDays	1,110.00	264.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	75.00	155.00
tblConstructionPhase	NumDays	1,110.00	208.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.66	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	2.79	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	2.74	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	3.43	0.00
tblEnergyUse	T24NG	1.98	0.00
tblGrading	AcresOfGrading	122.00	62.00
tblGrading	MaterialImported	0.00	107,000.00
tblLandUse	LandUseSquareFeet	508,680.00	508,675.00
tblLandUse	LandUseSquareFeet	360,000.00	271,000.00
tblLandUse	LandUseSquareFeet	13,200.00	15,300.00
tblLandUse	LandUseSquareFeet	15,600.00	122,200.00
tblLandUse	LotAcreage	2.33	1.00
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	LotAcreage	0.62	0.50
tblLandUse	LotAcreage	11.68	5.00
tblLandUse	LotAcreage	8.10	4.00
tblLandUse	LotAcreage	0.35	5.00
tblOffRoadEquipment	HorsePower	158.00	450.00
tblOffRoadEquipment	HorsePower	89.00	50.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	HorsePower	130.00	350.00
tblOffRoadEquipment	HorsePower	80.00	120.00
tblOffRoadEquipment	HorsePower	247.00	250.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	46.00	10.00
tblOffRoadEquipment	HorsePower	63.00	75.00
tblOffRoadEquipment	HorsePower	63.00	75.00
tblOffRoadEquipment	HorsePower	158.00	425.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	172.00	425.00
tblOffRoadEquipment	HorsePower	172.00	385.00
tblOffRoadEquipment	HorsePower	8.00	250.00
tblOffRoadEquipment	HorsePower	84.00	200.00
tblOffRoadEquipment	HorsePower	84.00	200.00
tblOffRoadEquipment	HorsePower	80.00	120.00
tblOffRoadEquipment	HorsePower	65.00	225.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	503.54	528.91
tblTripsAndVMT	VendorTripNumber	508.00	17.00
tblTripsAndVMT	VendorTripNumber	508.00	100.00
tblTripsAndVMT	VendorTripNumber	508.00	100.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblTripsAndVMT	WorkerTripNumber	1,291.00	43.00
tblTripsAndVMT	WorkerTripNumber	1,291.00	240.00
tblTripsAndVMT	WorkerTripNumber	1,291.00	240.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	123,876,000.00	130,117,437.50

2.0 Emissions Summary

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	9.4932	94.0483	84.3335	0.3042	18.9027	3.3618	22.0828	8.3774	3.0966	11.3387	0.0000	30,593.2884	30,593.2884	7.2185	1.5180	31,181.0042
2024	7.5105	66.4531	78.1482	0.2177	6.8692	2.4385	9.0803	1.8508	2.2712	3.9087	0.0000	21,643.7076	21,643.7076	3.9074	0.6758	21,940.6604
Maximum	**9.4932**	**94.0483**	**84.3335**	**0.3042**	**18.9027**	**3.3618**	**22.0828**	**8.3774**	**3.0966**	**11.3387**	**0.0000**	**30,593.2884**	**30,593.2884**	**7.2185**	**1.5180**	**31,181.0042**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.6734	29.9565	112.8899	0.3042	11.1665	0.4596	11.6043	4.2942	0.4548	4.7252	0.0000	30,593.2884	30,593.2884	7.2185	1.5180	31,181.0042
2024	3.5258	17.9121	95.5159	0.2177	6.8692	0.2857	7.1542	1.8508	0.2832	2.1316	0.0000	21,643.7076	21,643.7076	3.9074	0.6758	21,940.6604
Maximum	**3.6734**	**29.9565**	**112.8899**	**0.3042**	**11.1665**	**0.4596**	**11.6043**	**4.2942**	**0.4548**	**4.7252**	**0.0000**	**30,593.2884**	**30,593.2884**	**7.2185**	**1.5180**	**31,181.0042**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	57.66	70.18	-28.26	0.00	30.02	87.15	39.81	39.92	86.25	55.03	0.00	0.00	0.00	0.00	0.00	0.00

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15.5546	3.3800e-003	0.3731	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003		0.8018	0.8018	2.0900e-003		0.8539
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**15.5546**	**3.3800e-003**	**0.3731**	**3.0000e-005**	**0.0000**	**1.3300e-003**	**1.3300e-003**	**0.0000**	**1.3300e-003**	**1.3300e-003**		**0.8018**	**0.8018**	**2.0900e-003**	**0.0000**	**0.8539**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15.5546	3.3800e-003	0.3731	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003		0.8018	0.8018	2.0900e-003		0.8539
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**15.5546**	**3.3800e-003**	**0.3731**	**3.0000e-005**	**0.0000**	**1.3300e-003**	**1.3300e-003**	**0.0000**	**1.3300e-003**	**1.3300e-003**		**0.8018**	**0.8018**	**2.0900e-003**	**0.0000**	**0.8539**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2023	6/29/2023	5	87	
2	Site Preparation	Site Preparation	5/26/2023	11/13/2023	5	122	
3	Garage Construction	Building Construction	7/3/2023	2/1/2024	5	154	
4	Building Construction	Building Construction	9/1/2023	9/4/2024	5	264	
5	Apron Paving	Paving	11/15/2023	6/18/2024	5	155	
6	MHE Installation	Building Construction	3/15/2024	12/31/2024	5	208	

Acres of Grading (Site Preparation Phase): 62

Acres of Grading (Grading Phase): 0

Acres of Paving: 56.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	3	8.00	450	0.38
Demolition	Other Construction Equipment	3	8.00	425	0.42
Demolition	Other Material Handling Equipment	1	8.00	168	0.40
Demolition	Other Material Handling Equipment	1	8.00	168	0.40

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Excavators	3	8.00	425	0.38
Site Preparation	Off-Highway Trucks	3	8.00	300	0.38
Site Preparation	Plate Compactors	2	8.00	250	0.43
Site Preparation	Rollers	2	8.00	120	0.38
Site Preparation	Rubber Tired Dozers	2	8.00	250	0.40
Site Preparation	Skid Steer Loaders	2	8.00	225	0.37
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Garage Construction	Cranes	2	7.00	231	0.29
Garage Construction	Forklifts	0	8.00	89	0.20
Garage Construction	Generator Sets	0	8.00	84	0.74
Garage Construction	Pumps	1	8.00	200	0.74
Garage Construction	Tractors/Loaders/Backhoes	2	8.00	120	0.37
Garage Construction	Welders	0	8.00	46	0.45
Building Construction	Aerial Lifts	5	8.00	75	0.31
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	200	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	120	0.37
Building Construction	Welders	1	8.00	46	0.45
Apron Paving	Graders	1	8.00	200	0.41
Apron Paving	Other Construction Equipment	1	8.00	385	0.42
Apron Paving	Pavers	2	8.00	350	0.42
Apron Paving	Paving Equipment	2	8.00	132	0.36
Apron Paving	Rollers	2	8.00	120	0.38
MHE Installation	Aerial Lifts	3	8.00	75	0.31
MHE Installation	Cranes	0	7.00	231	0.29

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

MHE Installation	Forklifts	3	8.00	50	0.20
MHE Installation	Generator Sets	0	8.00	84	0.74
MHE Installation	Tractors/Loaders/Backhoes	1	8.00	120	0.37
MHE Installation	Welders	2	8.00	10	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	20.00	0.00	876.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	13,375.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Garage Construction	5	43.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	240.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
MHE Installation	9	240.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1778	0.0000	2.1778	0.3298	0.0000	0.3298			0.0000			0.0000
Off-Road	4.6908	43.6442	36.4213	0.1190		1.7923	1.7923		1.6489	1.6489		11,522.1805	11,522.1805	3.7265		11,615.3432
Total	**4.6908**	**43.6442**	**36.4213**	**0.1190**	**2.1778**	**1.7923**	**3.9701**	**0.3298**	**1.6489**	**1.9787**		**11,522.1805**	**11,522.1805**	**3.7265**		**11,615.3432**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0199	1.2953	0.3508	5.7900e-003	0.1761	8.7100e-003	0.1848	0.0483	8.3400e-003	0.0566		639.4661	639.4661	0.0391	0.1017	670.7547
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0674	0.0468	0.6374	1.8500e-003	0.2236	1.2600e-003	0.2248	0.0593	1.1600e-003	0.0605		188.9748	188.9748	4.8700e-003	4.7900e-003	190.5233
Total	**0.0873**	**1.3420**	**0.9882**	**7.6400e-003**	**0.3996**	**9.9700e-003**	**0.4096**	**0.1075**	**9.5000e-003**	**0.1170**		**828.4409**	**828.4409**	**0.0440**	**0.1065**	**861.2780**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8494	0.0000	0.8494	0.1286	0.0000	0.1286			0.0000			0.0000
Off-Road	1.4609	6.3304	57.1209	0.1190		0.1948	0.1948		0.1948	0.1948	0.0000	11,522.1805	11,522.1805	3.7265		11,615.3432
Total	**1.4609**	**6.3304**	**57.1209**	**0.1190**	**0.8494**	**0.1948**	**1.0441**	**0.1286**	**0.1948**	**0.3234**	**0.0000**	**11,522.1805**	**11,522.1805**	**3.7265**		**11,615.3432**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0199	1.2953	0.3508	5.7900e-003	0.1761	8.7100e-003	0.1848	0.0483	8.3400e-003	0.0566		639.4661	639.4661	0.0391	0.1017	670.7547
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0674	0.0468	0.6374	1.8500e-003	0.2236	1.2600e-003	0.2248	0.0593	1.1600e-003	0.0605		188.9748	188.9748	4.8700e-003	4.7900e-003	190.5233
Total	**0.0873**	**1.3420**	**0.9882**	**7.6400e-003**	**0.3996**	**9.9700e-003**	**0.4096**	**0.1075**	**9.5000e-003**	**0.1170**		**828.4409**	**828.4409**	**0.0440**	**0.1065**	**861.2780**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.6823	0.0000	12.6823	6.6937	0.0000	6.6937			0.0000			0.0000
Off-Road	4.0175	34.8773	28.1874	0.0963		1.4624	1.4624		1.3454	1.3454		9,317.0938	9,317.0938	3.0133		9,392.4272
Total	**4.0175**	**34.8773**	**28.1874**	**0.0963**	**12.6823**	**1.4624**	**14.1447**	**6.6937**	**1.3454**	**8.0391**		**9,317.0938**	**9,317.0938**	**3.0133**		**9,392.4272**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2166	14.1030	3.8192	0.0630	1.9169	0.0949	2.0118	0.5254	0.0908	0.6162		6,962.5229	6,962.5229	0.4261	1.1074	7,303.1933
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1180	0.0819	1.1154	3.2300e-003	0.3912	2.2100e-003	0.3934	0.1038	2.0400e-003	0.1058		330.7059	330.7059	8.5200e-003	8.3800e-003	333.4158
Total	**0.3345**	**14.1848**	**4.9346**	**0.0663**	**2.3081**	**0.0971**	**2.4052**	**0.6291**	**0.0928**	**0.7219**		**7,293.2288**	**7,293.2288**	**0.4346**	**1.1158**	**7,636.6091**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9461	0.0000	4.9461	2.6105	0.0000	2.6105			0.0000			0.0000
Off-Road	1.1828	5.1253	45.7810	0.0963		0.1577	0.1577		0.1577	0.1577	0.0000	9,317.0938	9,317.0938	3.0133		9,392.4272
Total	**1.1828**	**5.1253**	**45.7810**	**0.0963**	**4.9461**	**0.1577**	**5.1038**	**2.6105**	**0.1577**	**2.7682**	**0.0000**	**9,317.0938**	**9,317.0938**	**3.0133**		**9,392.4272**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2166	14.1030	3.8192	0.0630	1.9169	0.0949	2.0118	0.5254	0.0908	0.6162		6,962.5229	6,962.5229	0.4261	1.1074	7,303.1933
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1180	0.0819	1.1154	3.2300e-003	0.3912	2.2100e-003	0.3934	0.1038	2.0400e-003	0.1058		330.7059	330.7059	8.5200e-003	8.3800e-003	333.4158
Total	**0.3345**	**14.1848**	**4.9346**	**0.0663**	**2.3081**	**0.0971**	**2.4052**	**0.6291**	**0.0928**	**0.7219**		**7,293.2288**	**7,293.2288**	**0.4346**	**1.1158**	**7,636.6091**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Garage Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4515	14.0033	11.3961	0.0335		0.5708	0.5708		0.5335	0.5335		3,207.5180	3,207.5180	0.5968		3,222.4371
Total	**1.4515**	**14.0033**	**11.3961**	**0.0335**		**0.5708**	**0.5708**		**0.5335**	**0.5335**		**3,207.5180**	**3,207.5180**	**0.5968**		**3,222.4371**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0175	0.6514	0.2464	3.1000e-003	0.1088	3.4600e-003	0.1123	0.0313	3.3100e-003	0.0346		334.7417	334.7417	0.0123	0.0486	349.5294
Worker	0.1449	0.1006	1.3704	3.9700e-003	0.4806	2.7200e-003	0.4834	0.1275	2.5000e-003	0.1300		406.2958	406.2958	0.0105	0.0103	409.6251
Total	**0.1625**	**0.7520**	**1.6168**	**7.0700e-003**	**0.5895**	**6.1800e-003**	**0.5957**	**0.1588**	**5.8100e-003**	**0.1646**		**741.0375**	**741.0375**	**0.0228**	**0.0589**	**759.1545**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Garage Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3746	1.6235	16.0862	0.0335		0.0500	0.0500		0.0500	0.0500	0.0000	3,207.5180	3,207.5180	0.5968		3,222.4371
Total	**0.3746**	**1.6235**	**16.0862**	**0.0335**		**0.0500**	**0.0500**		**0.0500**	**0.0500**	**0.0000**	**3,207.5180**	**3,207.5180**	**0.5968**		**3,222.4371**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0175	0.6514	0.2464	3.1000e-003	0.1088	3.4600e-003	0.1123	0.0313	3.3100e-003	0.0346		334.7417	334.7417	0.0123	0.0486	349.5294
Worker	0.1449	0.1006	1.3704	3.9700e-003	0.4806	2.7200e-003	0.4834	0.1275	2.5000e-003	0.1300		406.2958	406.2958	0.0105	0.0103	409.6251
Total	**0.1625**	**0.7520**	**1.6168**	**7.0700e-003**	**0.5895**	**6.1800e-003**	**0.5957**	**0.1588**	**5.8100e-003**	**0.1646**		**741.0375**	**741.0375**	**0.0228**	**0.0589**	**759.1545**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Garage Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3752	12.8194	11.2944	0.0335		0.5084	0.5084		0.4748	0.4748		3,207.9705	3,207.9705	0.5969		3,222.8932
Total	**1.3752**	**12.8194**	**11.2944**	**0.0335**		**0.5084**	**0.5084**		**0.4748**	**0.4748**		**3,207.9705**	**3,207.9705**	**0.5969**		**3,222.8932**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0171	0.6542	0.2424	3.0500e-003	0.1088	3.4700e-003	0.1123	0.0313	3.3200e-003	0.0347		329.9889	329.9889	0.0123	0.0480	344.5936
Worker	0.1357	0.0898	1.2786	3.8500e-003	0.4806	2.6000e-003	0.4832	0.1275	2.4000e-003	0.1299		397.5644	397.5644	9.4900e-003	9.5800e-003	400.6565
Total	**0.1528**	**0.7441**	**1.5210**	**6.9000e-003**	**0.5895**	**6.0700e-003**	**0.5956**	**0.1588**	**5.7200e-003**	**0.1645**		**727.5533**	**727.5533**	**0.0218**	**0.0576**	**745.2501**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Garage Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3746	1.6235	16.0862	0.0335		0.0500	0.0500		0.0500	0.0500	0.0000	3,207.9705	3,207.9705	0.5969		3,222.8932
Total	**0.3746**	**1.6235**	**16.0862**	**0.0335**		**0.0500**	**0.0500**		**0.0500**	**0.0500**	**0.0000**	**3,207.9705**	**3,207.9705**	**0.5969**		**3,222.8932**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0171	0.6542	0.2424	3.0500e-003	0.1088	3.4700e-003	0.1123	0.0313	3.3200e-003	0.0347		329.9889	329.9889	0.0123	0.0480	344.5936
Worker	0.1357	0.0898	1.2786	3.8500e-003	0.4806	2.6000e-003	0.4832	0.1275	2.4000e-003	0.1299		397.5644	397.5644	9.4900e-003	9.5800e-003	400.6565
Total	**0.1528**	**0.7441**	**1.5210**	**6.9000e-003**	**0.5895**	**6.0700e-003**	**0.5956**	**0.1588**	**5.7200e-003**	**0.1645**		**727.5533**	**727.5533**	**0.0218**	**0.0576**	**745.2501**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6152	25.3446	29.1007	0.0608		1.0081	1.0081		0.9504	0.9504		5,797.6438	5,797.6438	1.2159		5,828.0414
Total	**2.6152**	**25.3446**	**29.1007**	**0.0608**		**1.0081**	**1.0081**		**0.9504**	**0.9504**		**5,797.6438**	**5,797.6438**	**1.2159**		**5,828.0414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1031	3.8320	1.4492	0.0182	0.6402	0.0203	0.6605	0.1843	0.0195	0.2038		1,969.0691	1,969.0691	0.0725	0.2858	2,056.0554
Worker	0.8089	0.5613	7.6487	0.0222	2.6826	0.0152	2.6978	0.7115	0.0140	0.7254		2,267.6974	2,267.6974	0.0584	0.0575	2,286.2796
Total	**0.9120**	**4.3933**	**9.0979**	**0.0404**	**3.3228**	**0.0355**	**3.3583**	**0.8958**	**0.0334**	**0.9292**		**4,236.7665**	**4,236.7665**	**0.1309**	**0.3433**	**4,342.3350**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7070	3.8776	35.3734	0.0608		0.0913	0.0913		0.0913	0.0913	0.0000	5,797.6438	5,797.6438	1.2159		5,828.0414
Total	**0.7070**	**3.8776**	**35.3734**	**0.0608**		**0.0913**	**0.0913**		**0.0913**	**0.0913**	**0.0000**	**5,797.6438**	**5,797.6438**	**1.2159**		**5,828.0414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1031	3.8320	1.4492	0.0182	0.6402	0.0203	0.6605	0.1843	0.0195	0.2038		1,969.0691	1,969.0691	0.0725	0.2858	2,056.0554
Worker	0.8089	0.5613	7.6487	0.0222	2.6826	0.0152	2.6978	0.7115	0.0140	0.7254		2,267.6974	2,267.6974	0.0584	0.0575	2,286.2796
Total	**0.9120**	**4.3933**	**9.0979**	**0.0404**	**3.3228**	**0.0355**	**3.3583**	**0.8958**	**0.0334**	**0.9292**		**4,236.7665**	**4,236.7665**	**0.1309**	**0.3433**	**4,342.3350**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4799	23.6790	28.9951	0.0608		0.8953	0.8953		0.8435	0.8435		5,798.5957	5,798.5957	1.2126		5,828.9096
Total	**2.4799**	**23.6790**	**28.9951**	**0.0608**		**0.8953**	**0.8953**		**0.8435**	**0.8435**		**5,798.5957**	**5,798.5957**	**1.2126**		**5,828.9096**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1003	3.8485	1.4257	0.0180	0.6402	0.0204	0.6606	0.1843	0.0196	0.2039		1,941.1112	1,941.1112	0.0725	0.2822	2,027.0212
Worker	0.7575	0.5015	7.1364	0.0215	2.6826	0.0145	2.6972	0.7115	0.0134	0.7248		2,218.9640	2,218.9640	0.0530	0.0535	2,236.2221
Total	**0.8579**	**4.3499**	**8.5620**	**0.0395**	**3.3228**	**0.0350**	**3.3578**	**0.8958**	**0.0329**	**0.9287**		**4,160.0752**	**4,160.0752**	**0.1254**	**0.3357**	**4,263.2433**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7070	3.8776	35.3734	0.0608		0.0913	0.0913		0.0913	0.0913	0.0000	5,798.5957	5,798.5957	1.2126		5,828.9096
Total	**0.7070**	**3.8776**	**35.3734**	**0.0608**		**0.0913**	**0.0913**		**0.0913**	**0.0913**	**0.0000**	**5,798.5957**	**5,798.5957**	**1.2126**		**5,828.9096**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1003	3.8485	1.4257	0.0180	0.6402	0.0204	0.6606	0.1843	0.0196	0.2039		1,941.1112	1,941.1112	0.0725	0.2822	2,027.0212
Worker	0.7575	0.5015	7.1364	0.0215	2.6826	0.0145	2.6972	0.7115	0.0134	0.7248		2,218.9640	2,218.9640	0.0530	0.0535	2,236.2221
Total	**0.8579**	**4.3499**	**8.5620**	**0.0395**	**3.3228**	**0.0350**	**3.3578**	**0.8958**	**0.0329**	**0.9287**		**4,160.0752**	**4,160.0752**	**0.1254**	**0.3357**	**4,263.2433**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Apron Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5141	27.3643	21.5770	0.0621		1.0987	1.0987		1.0108	1.0108		6,011.0517	6,011.0517	1.9441		6,059.6541
Paving	0.0896					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.6036**	**27.3643**	**21.5770**	**0.0621**		**1.0987**	**1.0987**		**1.0108**	**1.0108**		**6,011.0517**	**6,011.0517**	**1.9441**		**6,059.6541**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0674	0.0468	0.6374	1.8500e-003	0.2236	1.2600e-003	0.2248	0.0593	1.1600e-003	0.0605		188.9748	188.9748	4.8700e-003	4.7900e-003	190.5233
Total	**0.0674**	**0.0468**	**0.6374**	**1.8500e-003**	**0.2236**	**1.2600e-003**	**0.2248**	**0.0593**	**1.1600e-003**	**0.0605**		**188.9748**	**188.9748**	**4.8700e-003**	**4.7900e-003**	**190.5233**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Apron Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7661	3.3197	33.0169	0.0621		0.1021	0.1021		0.1021	0.1021	0.0000	6,011.0517	6,011.0517	1.9441		6,059.6540
Paving	0.0896					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8557**	**3.3197**	**33.0169**	**0.0621**		**0.1021**	**0.1021**		**0.1021**	**0.1021**	**0.0000**	**6,011.0517**	**6,011.0517**	**1.9441**		**6,059.6540**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0674	0.0468	0.6374	1.8500e-003	0.2236	1.2600e-003	0.2248	0.0593	1.1600e-003	0.0605		188.9748	188.9748	4.8700e-003	4.7900e-003	190.5233
Total	**0.0674**	**0.0468**	**0.6374**	**1.8500e-003**	**0.2236**	**1.2600e-003**	**0.2248**	**0.0593**	**1.1600e-003**	**0.0605**		**188.9748**	**188.9748**	**4.8700e-003**	**4.7900e-003**	**190.5233**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Apron Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3847	24.8189	21.5181	0.0622		0.9926	0.9926		0.9132	0.9132		6,017.6970	6,017.6970	1.9463		6,066.3531
Paving	0.0896					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4743**	**24.8189**	**21.5181**	**0.0622**		**0.9926**	**0.9926**		**0.9132**	**0.9132**		**6,017.6970**	**6,017.6970**	**1.9463**		**6,066.3531**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0631	0.0418	0.5947	1.7900e-003	0.2236	1.2100e-003	0.2248	0.0593	1.1100e-003	0.0604		184.9137	184.9137	4.4100e-003	4.4600e-003	186.3518
Total	**0.0631**	**0.0418**	**0.5947**	**1.7900e-003**	**0.2236**	**1.2100e-003**	**0.2248**	**0.0593**	**1.1100e-003**	**0.0604**		**184.9137**	**184.9137**	**4.4100e-003**	**4.4600e-003**	**186.3518**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Apron Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7661	3.3197	33.0169	0.0622		0.1021	0.1021		0.1021	0.1021	0.0000	6,017.6970	6,017.6970	1.9463		6,066.3531
Paving	0.0896					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8557**	**3.3197**	**33.0169**	**0.0622**		**0.1021**	**0.1021**		**0.1021**	**0.1021**	**0.0000**	**6,017.6970**	**6,017.6970**	**1.9463**		**6,066.3531**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0631	0.0418	0.5947	1.7900e-003	0.2236	1.2100e-003	0.2248	0.0593	1.1100e-003	0.0604		184.9137	184.9137	4.4100e-003	4.4600e-003	186.3518
Total	**0.0631**	**0.0418**	**0.5947**	**1.7900e-003**	**0.2236**	**1.2100e-003**	**0.2248**	**0.0593**	**1.1100e-003**	**0.0604**		**184.9137**	**184.9137**	**4.4100e-003**	**4.4600e-003**	**186.3518**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 MHE Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7775	6.4936	9.9163	0.0140		0.2521	0.2521		0.2343	0.2343		1,322.3508	1,322.3508	0.4083		1,332.5593
Total	**0.7775**	**6.4936**	**9.9163**	**0.0140**		**0.2521**	**0.2521**		**0.2343**	**0.2343**		**1,322.3508**	**1,322.3508**	**0.4083**		**1,332.5593**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1003	3.8485	1.4257	0.0180	0.6402	0.0204	0.6606	0.1843	0.0196	0.2039		1,941.1112	1,941.1112	0.0725	0.2822	2,027.0212
Worker	0.7575	0.5015	7.1364	0.0215	2.6826	0.0145	2.6972	0.7115	0.0134	0.7248		2,218.9640	2,218.9640	0.0530	0.0535	2,236.2221
Total	**0.8579**	**4.3499**	**8.5620**	**0.0395**	**3.3228**	**0.0350**	**3.3578**	**0.8958**	**0.0329**	**0.9287**		**4,160.0752**	**4,160.0752**	**0.1254**	**0.3357**	**4,263.2433**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 MHE Installation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1843	1.9732	9.4068	0.0140		0.0203	0.0203		0.0203	0.0203	0.0000	1,322.3508	1,322.3508	0.4083		1,332.5593
Total	**0.1843**	**1.9732**	**9.4068**	**0.0140**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**1,322.3508**	**1,322.3508**	**0.4083**		**1,332.5593**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1003	3.8485	1.4257	0.0180	0.6402	0.0204	0.6606	0.1843	0.0196	0.2039		1,941.1112	1,941.1112	0.0725	0.2822	2,027.0212
Worker	0.7575	0.5015	7.1364	0.0215	2.6826	0.0145	2.6972	0.7115	0.0134	0.7248		2,218.9640	2,218.9640	0.0530	0.0535	2,236.2221
Total	**0.8579**	**4.3499**	**8.5620**	**0.0395**	**3.3228**	**0.0350**	**3.3578**	**0.8958**	**0.0329**	**0.9287**		**4,160.0752**	**4,160.0752**	**0.1254**	**0.3357**	**4,263.2433**

4.0 Operational Detail - Mobile

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644
General Office Building	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644
Other Non-Asphalt Surfaces	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644
Parking Lot	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644
Unrefrigerated Warehouse-No Rail	0.542639	0.062168	0.185423	0.128137	0.023809	0.006526	0.012163	0.008660	0.000816	0.000502	0.024766	0.000746	0.003644

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.5546	3.3800e-003	0.3731	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003		0.8018	0.8018	2.0900e-003		0.8539
Unmitigated	15.5546	3.3800e-003	0.3731	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003		0.8018	0.8018	2.0900e-003		0.8539

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.8957					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.6245					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0344	3.3800e-003	0.3731	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003		0.8018	0.8018	2.0900e-003		0.8539
Total	**15.5546**	**3.3800e-003**	**0.3731**	**3.0000e-005**		**1.3300e-003**	**1.3300e-003**		**1.3300e-003**	**1.3300e-003**		**0.8018**	**0.8018**	**2.0900e-003**		**0.8539**

Ontario International Airport South Airport Cargo Center Project - Phase 1 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.8957					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.6245					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0344	3.3800e-003	0.3731	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003		0.8018	0.8018	2.0900e-003		0.8539
Total	**15.5546**	**3.3800e-003**	**0.3731**	**3.0000e-005**		**1.3300e-003**	**1.3300e-003**		**1.3300e-003**	**1.3300e-003**		**0.8018**	**0.8018**	**2.0900e-003**		**0.8539**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Ontario International Airport South Airport Cargo Center Project - Phase 2

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	246.82	1000sqft	2.40	246,825.00	0
Unrefrigerated Warehouse-No Rail	27.00	1000sqft	0.60	27,000.00	0
Other Non-Asphalt Surfaces	1,045.44	1000sqft	24.00	1,045,440.00	0
Parking Lot	28.00	Space	2.00	87,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Description

Construction Phase - Project Applicant, May 25, 2022

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Trips and VMT - Project Description

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition - CHA, November 22, 2021, Updated November 10, 2022

Grading - Project Description

Vehicle Trips - Motor vehicle emissions estimated externally

Energy Use - Calculations due to electrical usage are performed outside of the model and project would not use natural gas.

Construction Off-road Equipment Mitigation - Basic and Enhanced Emission Reduction Measures

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	67994	53268
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	87.00
tblConstructionPhase	NumDays	20.00	122.00
tblConstructionPhase	NumDays	440.00	264.00
tblConstructionPhase	NumDays	35.00	155.00
tblConstructionPhase	NumDays	440.00	208.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	1.98	0.00

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblGrading	AcresOfGrading	122.00	35.00
tblGrading	MaterialImported	0.00	50,000.00
tblLandUse	LandUseSquareFeet	246,820.00	246,825.00
tblLandUse	LandUseSquareFeet	11,200.00	87,800.00
tblLandUse	LotAcreage	5.67	2.40
tblLandUse	LotAcreage	0.62	0.60
tblLandUse	LotAcreage	0.25	2.00
tblOffRoadEquipment	HorsePower	158.00	450.00
tblOffRoadEquipment	HorsePower	89.00	50.00
tblOffRoadEquipment	HorsePower	130.00	350.00
tblOffRoadEquipment	HorsePower	80.00	120.00
tblOffRoadEquipment	HorsePower	247.00	250.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	46.00	10.00
tblOffRoadEquipment	HorsePower	63.00	75.00
tblOffRoadEquipment	HorsePower	63.00	75.00
tblOffRoadEquipment	HorsePower	158.00	425.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	172.00	425.00
tblOffRoadEquipment	HorsePower	172.00	385.00
tblOffRoadEquipment	HorsePower	8.00	250.00
tblOffRoadEquipment	HorsePower	84.00	200.00
tblOffRoadEquipment	HorsePower	80.00	120.00
tblOffRoadEquipment	HorsePower	65.00	225.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	VendorTripNumber	231.00	100.00
tblTripsAndVMT	VendorTripNumber	231.00	100.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblTripsAndVMT	WorkerTripNumber	591.00	240.00
tblTripsAndVMT	WorkerTripNumber	591.00	240.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00

2.0 Emissions Summary

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.1746	1.5899	1.4513	5.2000e-003	0.2145	0.0611	0.2756	0.0353	0.0562	0.0916	0.0000	463.4785	463.4785	0.1352	7.9800e-003	469.2356
2026	0.0578	0.5347	0.4571	1.8100e-003	0.1726	0.0194	0.1920	0.0727	0.0179	0.0905	0.0000	163.0222	163.0222	0.0434	5.2100e-003	165.6580
2027	0.4166	3.7918	4.0185	0.0132	0.8837	0.1303	1.0140	0.4088	0.1209	0.5297	0.0000	1,195.1918	1,195.1918	0.2575	0.0379	1,212.9087
2028	0.4943	4.2444	5.7732	0.0162	0.6104	0.1345	0.7449	0.1648	0.1255	0.2902	0.0000	1,480.1333	1,480.1333	0.2365	0.0511	1,501.2768
Maximum	**0.4943**	**4.2444**	**5.7732**	**0.0162**	**0.8837**	**0.1345**	**1.0140**	**0.4088**	**0.1255**	**0.5297**	**0.0000**	**1,480.1333**	**1,480.1333**	**0.2575**	**0.0511**	**1,501.2768**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.0609	0.3624	2.2813	5.2000e-003	0.0981	8.4100e-003	0.1065	0.0177	8.3700e-003	0.0261	0.0000	463.4780	463.4780	0.1352	7.9800e-003	469.2351
2026	0.0201	0.1532	0.7244	1.8100e-003	0.0763	2.9100e-003	0.0792	0.0308	2.8800e-003	0.0337	0.0000	163.0221	163.0221	0.0434	5.2100e-003	165.6579
2027	0.1644	1.1069	5.5849	0.0132	0.4922	0.0196	0.5118	0.1994	0.0194	0.2187	0.0000	1,195.1908	1,195.1908	0.2575	0.0379	1,212.9077
2028	0.2382	1.4442	6.8609	0.0162	0.6104	0.0206	0.6310	0.1648	0.0203	0.1851	0.0000	1,480.1323	1,480.1323	0.2365	0.0511	1,501.2758
Maximum	**0.2382**	**1.4442**	**6.8609**	**0.0162**	**0.6104**	**0.0206**	**0.6310**	**0.1994**	**0.0203**	**0.2187**	**0.0000**	**1,480.1323**	**1,480.1323**	**0.2575**	**0.0511**	**1,501.2758**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**57.70**	**69.82**	**-32.06**	**0.00**	**32.11**	**85.08**	**40.33**	**39.46**	**84.11**	**53.74**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**9-14-2027**	**12-13-2027**	1.3567	0.3813
2	**12-14-2027**	**3-13-2028**	1.7908	0.4990
3	**3-14-2028**	**6-13-2028**	1.9382	0.6347
4	**6-14-2028**	**9-13-2028**	0.9757	0.4098
5	**9-14-2028**	**9-30-2028**	0.0701	0.0407
		Highest	1.9382	0.6347

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2036	1.5000e-004	0.0171	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0334	0.0334	9.0000e-005	0.0000	0.0356
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	52.2478	0.0000	52.2478	3.0878	0.0000	129.4418
Water						0.0000	0.0000		0.0000	0.0000	20.0888	146.2216	166.3104	2.0757	0.0502	233.1659
Total	**1.2036**	**1.5000e-004**	**0.0171**	**0.0000**	**0.0000**	**6.0000e-005**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**6.0000e-005**	**72.3366**	**146.2550**	**218.5917**	**5.1635**	**0.0502**	**362.6433**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2036	1.5000e-004	0.0171	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0334	0.0334	9.0000e-005	0.0000	0.0356
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	52.2478	0.0000	52.2478	3.0878	0.0000	129.4418
Water						0.0000	0.0000		0.0000	0.0000	20.0888	146.2216	166.3104	2.0757	0.0502	233.1659
Total	**1.2036**	**1.5000e-004**	**0.0171**	**0.0000**	**0.0000**	**6.0000e-005**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**6.0000e-005**	**72.3366**	**146.2550**	**218.5917**	**5.1635**	**0.0502**	**362.6433**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/14/2025	1/13/2026	5	87	
2	Site Preparation	Site Preparation	12/6/2026	5/25/2027	5	122	
3	Building Construction	Building Construction	8/8/2027	8/10/2028	5	264	

4	Apron Paving	Paving	10/25/2027	5/26/2028	5	155	
5	MHE Installation	Building Construction	2/20/2028	12/6/2028	5	208	

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 0

Acres of Paving: 26

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	3	8.00	450	0.38
Demolition	Other Construction Equipment	3	8.00	425	0.42
Demolition	Other Material Handling Equipment	1	8.00	168	0.40
Demolition	Other Material Handling Equipment	1	8.00	168	0.40
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Excavators	3	8.00	425	0.38
Site Preparation	Off-Highway Trucks	3	8.00	300	0.38
Site Preparation	Plate Compactors	2	8.00	250	0.43
Site Preparation	Rollers	2	8.00	120	0.38
Site Preparation	Rubber Tired Dozers	2	8.00	250	0.40
Site Preparation	Skid Steer Loaders	2	8.00	225	0.37
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Aerial Lifts	5	8.00	75	0.31
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	200	0.74

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	120	0.37
Building Construction	Welders	1	8.00	46	0.45
Apron Paving	Graders	1	8.00	200	0.41
Apron Paving	Other Construction Equipment	1	8.00	385	0.42
Apron Paving	Pavers	2	8.00	350	0.42
Apron Paving	Paving Equipment	2	8.00	132	0.36
Apron Paving	Rollers	2	8.00	120	0.38
MHE Installation	Aerial Lifts	3	8.00	75	0.31
MHE Installation	Cranes	0	7.00	231	0.29
MHE Installation	Forklifts	3	8.00	50	0.20
MHE Installation	Generator Sets	0	8.00	84	0.74
MHE Installation	Tractors/Loaders/Backhoes	1	8.00	120	0.37
MHE Installation	Welders	2	8.00	10	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	20.00	0.00	1,966.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	6,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	240.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
MHE Installation	9	240.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1908	0.0000	0.1908	0.0289	0.0000	0.0289	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1707	1.4744	1.3977	4.6400e-003		0.0603	0.0603		0.0555	0.0555	0.0000	407.8202	407.8202	0.1319	0.0000	411.1176
Total	**0.1707**	**1.4744**	**1.3977**	**4.6400e-003**	**0.1908**	**0.0603**	**0.2510**	**0.0289**	**0.0555**	**0.0843**	**0.0000**	**407.8202**	**407.8202**	**0.1319**	**0.0000**	**411.1176**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7800e-003	0.1140	0.0314	4.9000e-004	0.0152	7.7000e-004	0.0159	4.1600e-003	7.3000e-004	4.9000e-003	0.0000	49.1858	49.1858	3.1400e-003	7.8300e-003	51.5973
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1200e-003	1.5000e-003	0.0222	7.0000e-005	8.5600e-003	5.0000e-005	8.6000e-003	2.2700e-003	4.0000e-005	2.3100e-003	0.0000	6.4726	6.4726	1.4000e-004	1.5000e-004	6.5207
Total	**3.9000e-003**	**0.1155**	**0.0536**	**5.6000e-004**	**0.0237**	**8.2000e-004**	**0.0245**	**6.4300e-003**	**7.7000e-004**	**7.2100e-003**	**0.0000**	**55.6584**	**55.6584**	**3.2800e-003**	**7.9800e-003**	**58.1180**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0744	0.0000	0.0744	0.0113	0.0000	0.0113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0570	0.2469	2.2277	4.6400e-003		7.6000e-003	7.6000e-003		7.6000e-003	7.6000e-003	0.0000	407.8197	407.8197	0.1319	0.0000	411.1171
Total	**0.0570**	**0.2469**	**2.2277**	**4.6400e-003**	**0.0744**	**7.6000e-003**	**0.0820**	**0.0113**	**7.6000e-003**	**0.0189**	**0.0000**	**407.8197**	**407.8197**	**0.1319**	**0.0000**	**411.1171**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7800e-003	0.1140	0.0314	4.9000e-004	0.0152	7.7000e-004	0.0159	4.1600e-003	7.3000e-004	4.9000e-003	0.0000	49.1858	49.1858	3.1400e-003	7.8300e-003	51.5973
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1200e-003	1.5000e-003	0.0222	7.0000e-005	8.5600e-003	5.0000e-005	8.6000e-003	2.2700e-003	4.0000e-005	2.3100e-003	0.0000	6.4726	6.4726	1.4000e-004	1.5000e-004	6.5207
Total	**3.9000e-003**	**0.1155**	**0.0536**	**5.6000e-004**	**0.0237**	**8.2000e-004**	**0.0245**	**6.4300e-003**	**7.7000e-004**	**7.2100e-003**	**0.0000**	**55.6584**	**55.6584**	**3.2800e-003**	**7.9800e-003**	**58.1180**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0220	0.0000	0.0220	3.3300e-003	0.0000	3.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0197	0.1701	0.1613	5.4000e-004		6.9600e-003	6.9600e-003		6.4000e-003	6.4000e-003	0.0000	47.0562	47.0562	0.0152	0.0000	47.4367
Total	**0.0197**	**0.1701**	**0.1613**	**5.4000e-004**	**0.0220**	**6.9600e-003**	**0.0290**	**3.3300e-003**	**6.4000e-003**	**9.7300e-003**	**0.0000**	**47.0562**	**47.0562**	**0.0152**	**0.0000**	**47.4367**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-004	0.0130	3.6500e-003	6.0000e-005	1.7500e-003	9.0000e-005	1.8400e-003	4.8000e-004	8.0000e-005	5.6000e-004	0.0000	5.5685	5.5685	3.6000e-004	8.9000e-004	5.8418
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	2.4100e-003	1.0000e-005	9.9000e-004	0.0000	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7299	0.7299	1.0000e-005	2.0000e-005	0.7351
Total	**4.3000e-004**	**0.0132**	**6.0600e-003**	**7.0000e-005**	**2.7400e-003**	**9.0000e-005**	**2.8300e-003**	**7.4000e-004**	**8.0000e-005**	**8.3000e-004**	**0.0000**	**6.2984**	**6.2984**	**3.7000e-004**	**9.1000e-004**	**6.5769**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.5800e-003	0.0000	8.5800e-003	1.3000e-003	0.0000	1.3000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5700e-003	0.0285	0.2570	5.4000e-004		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	47.0561	47.0561	0.0152	0.0000	47.4366
Total	**6.5700e-003**	**0.0285**	**0.2570**	**5.4000e-004**	**8.5800e-003**	**8.8000e-004**	**9.4600e-003**	**1.3000e-003**	**8.8000e-004**	**2.1800e-003**	**0.0000**	**47.0561**	**47.0561**	**0.0152**	**0.0000**	**47.4366**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-004	0.0130	3.6500e-003	6.0000e-005	1.7500e-003	9.0000e-005	1.8400e-003	4.8000e-004	8.0000e-005	5.6000e-004	0.0000	5.5685	5.5685	3.6000e-004	8.9000e-004	5.8418
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	2.4100e-003	1.0000e-005	9.9000e-004	0.0000	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7299	0.7299	1.0000e-005	2.0000e-005	0.7351
Total	**4.3000e-004**	**0.0132**	**6.0600e-003**	**7.0000e-005**	**2.7400e-003**	**9.0000e-005**	**2.8300e-003**	**7.4000e-004**	**8.0000e-005**	**8.3000e-004**	**0.0000**	**6.2984**	**6.2984**	**3.7000e-004**	**9.1000e-004**	**6.5769**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1358	0.0000	0.1358	0.0653	0.0000	0.0653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0359	0.2886	0.2633	9.1000e-004		0.0119	0.0119		0.0110	0.0110	0.0000	80.3207	80.3207	0.0260	0.0000	80.9702
Total	**0.0359**	**0.2886**	**0.2633**	**9.1000e-004**	**0.1358**	**0.0119**	**0.1477**	**0.0653**	**0.0110**	**0.0763**	**0.0000**	**80.3207**	**80.3207**	**0.0260**	**0.0000**	**80.9702**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.7000e-004	0.0623	0.0175	2.6000e-004	8.3700e-003	4.2000e-004	8.7900e-003	2.3000e-003	4.0000e-004	2.7000e-003	0.0000	26.6505	26.6505	1.7400e-003	4.2400e-003	27.9585
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.8000e-004	8.9100e-003	3.0000e-005	3.6500e-003	2.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.6965	2.6965	5.0000e-005	6.0000e-005	2.7158
Total	**1.8200e-003**	**0.0629**	**0.0264**	**2.9000e-004**	**0.0120**	**4.4000e-004**	**0.0125**	**3.2700e-003**	**4.2000e-004**	**3.6900e-003**	**0.0000**	**29.3470**	**29.3470**	**1.7900e-003**	**4.3000e-003**	**30.6743**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0530	0.0000	0.0530	0.0255	0.0000	0.0255	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0487	0.4349	9.1000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	80.3206	80.3206	0.0260	0.0000	80.9701
Total	**0.0112**	**0.0487**	**0.4349**	**9.1000e-004**	**0.0530**	**1.5000e-003**	**0.0545**	**0.0255**	**1.5000e-003**	**0.0270**	**0.0000**	**80.3206**	**80.3206**	**0.0260**	**0.0000**	**80.9701**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.7000e-004	0.0623	0.0175	2.6000e-004	8.3700e-003	4.2000e-004	8.7900e-003	2.3000e-003	4.0000e-004	2.7000e-003	0.0000	26.6505	26.6505	1.7400e-003	4.2400e-003	27.9585
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.8000e-004	8.9100e-003	3.0000e-005	3.6500e-003	2.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.6965	2.6965	5.0000e-005	6.0000e-005	2.7158
Total	**1.8200e-003**	**0.0629**	**0.0264**	**2.9000e-004**	**0.0120**	**4.4000e-004**	**0.0125**	**3.2700e-003**	**4.2000e-004**	**3.6900e-003**	**0.0000**	**29.3470**	**29.3470**	**1.7900e-003**	**4.3000e-003**	**30.6743**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6417	0.0000	0.6417	0.3434	0.0000	0.3434	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1945	1.5644	1.4275	4.9600e-003		0.0646	0.0646		0.0594	0.0594	0.0000	435.4228	435.4228	0.1408	0.0000	438.9434
Total	**0.1945**	**1.5644**	**1.4275**	**4.9600e-003**	**0.6417**	**0.0646**	**0.7062**	**0.3434**	**0.0594**	**0.4028**	**0.0000**	**435.4228**	**435.4228**	**0.1408**	**0.0000**	**438.9434**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.2000e-003	0.3339	0.0955	1.4100e-003	0.0454	2.2700e-003	0.0477	0.0125	2.1800e-003	0.0146	0.0000	141.5873	141.5873	9.4400e-003	0.0226	148.5432
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3700e-003	2.8800e-003	0.0457	1.5000e-004	0.0198	9.0000e-005	0.0199	5.2500e-003	9.0000e-005	5.3400e-003	0.0000	14.3170	14.3170	2.7000e-004	3.1000e-004	14.4161
Total	**9.5700e-003**	**0.3368**	**0.1413**	**1.5600e-003**	**0.0652**	**2.3600e-003**	**0.0675**	**0.0177**	**2.2700e-003**	**0.0200**	**0.0000**	**155.9043**	**155.9043**	**9.7100e-003**	**0.0229**	**162.9593**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2503	0.0000	0.2503	0.1339	0.0000	0.1339	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0609	0.2640	2.3577	4.9600e-003		8.1200e-003	8.1200e-003		8.1200e-003	8.1200e-003	0.0000	435.4223	435.4223	0.1408	0.0000	438.9429
Total	**0.0609**	**0.2640**	**2.3577**	**4.9600e-003**	**0.2503**	**8.1200e-003**	**0.2584**	**0.1339**	**8.1200e-003**	**0.1420**	**0.0000**	**435.4223**	**435.4223**	**0.1408**	**0.0000**	**438.9429**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.2000e-003	0.3339	0.0955	1.4100e-003	0.0454	2.2700e-003	0.0477	0.0125	2.1800e-003	0.0146	0.0000	141.5873	141.5873	9.4400e-003	0.0226	148.5432
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3700e-003	2.8800e-003	0.0457	1.5000e-004	0.0198	9.0000e-005	0.0199	5.2500e-003	9.0000e-005	5.3400e-003	0.0000	14.3170	14.3170	2.7000e-004	3.1000e-004	14.4161
Total	**9.5700e-003**	**0.3368**	**0.1413**	**1.5600e-003**	**0.0652**	**2.3600e-003**	**0.0675**	**0.0177**	**2.2700e-003**	**0.0200**	**0.0000**	**155.9043**	**155.9043**	**9.7100e-003**	**0.0229**	**162.9593**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1221	1.1496	1.5155	3.1900e-003		0.0408	0.0408		0.0384	0.0384	0.0000	276.2425	276.2425	0.0575	0.0000	277.6794
Total	**0.1221**	**1.1496**	**1.5155**	**3.1900e-003**		**0.0408**	**0.0408**		**0.0384**	**0.0384**	**0.0000**	**276.2425**	**276.2425**	**0.0575**	**0.0000**	**277.6794**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0400e-003	0.1987	0.0710	8.9000e-004	0.0331	1.0700e-003	0.0342	9.5500e-003	1.0200e-003	0.0106	0.0000	87.2743	87.2743	3.4700e-003	0.0127	91.1562
Worker	0.0306	0.0201	0.3197	1.0400e-003	0.1382	6.5000e-004	0.1389	0.0367	6.0000e-004	0.0373	0.0000	100.0800	100.0800	1.9000e-003	2.1700e-003	100.7730
Total	**0.0356**	**0.2188**	**0.3907**	**1.9300e-003**	**0.1713**	**1.7200e-003**	**0.1731**	**0.0463**	**1.6200e-003**	**0.0479**	**0.0000**	**187.3543**	**187.3543**	**5.3700e-003**	**0.0149**	**191.9291**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0371	0.2036	1.8571	3.1900e-003		4.8000e-003	4.8000e-003		4.8000e-003	4.8000e-003	0.0000	276.2422	276.2422	0.0575	0.0000	277.6791
Total	**0.0371**	**0.2036**	**1.8571**	**3.1900e-003**		**4.8000e-003**	**4.8000e-003**		**4.8000e-003**	**4.8000e-003**	**0.0000**	**276.2422**	**276.2422**	**0.0575**	**0.0000**	**277.6791**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0400e-003	0.1987	0.0710	8.9000e-004	0.0331	1.0700e-003	0.0342	9.5500e-003	1.0200e-003	0.0106	0.0000	87.2743	87.2743	3.4700e-003	0.0127	91.1562
Worker	0.0306	0.0201	0.3197	1.0400e-003	0.1382	6.5000e-004	0.1389	0.0367	6.0000e-004	0.0373	0.0000	100.0800	100.0800	1.9000e-003	2.1700e-003	100.7730
Total	**0.0356**	**0.2188**	**0.3907**	**1.9300e-003**	**0.1713**	**1.7200e-003**	**0.1731**	**0.0463**	**1.6200e-003**	**0.0479**	**0.0000**	**187.3543**	**187.3543**	**5.3700e-003**	**0.0149**	**191.9291**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1848	1.7408	2.2948	4.8300e-003		0.0617	0.0617		0.0581	0.0581	0.0000	418.3101	418.3101	0.0870	0.0000	420.4860
Total	**0.1848**	**1.7408**	**2.2948**	**4.8300e-003**		**0.0617**	**0.0617**		**0.0581**	**0.0581**	**0.0000**	**418.3101**	**418.3101**	**0.0870**	**0.0000**	**420.4860**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5000e-003	0.2989	0.1067	1.3200e-003	0.0501	1.6100e-003	0.0517	0.0145	1.5400e-003	0.0160	0.0000	129.6297	129.6297	5.2600e-003	0.0189	135.4033
Worker	0.0438	0.0281	0.4616	1.5400e-003	0.2093	9.2000e-004	0.2103	0.0556	8.4000e-004	0.0564	0.0000	148.7803	148.7803	2.6400e-003	3.1300e-003	149.7805
Total	**0.0513**	**0.3270**	**0.5683**	**2.8600e-003**	**0.2595**	**2.5300e-003**	**0.2620**	**0.0701**	**2.3800e-003**	**0.0725**	**0.0000**	**278.4099**	**278.4099**	**7.9000e-003**	**0.0221**	**285.1838**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0562	0.3083	2.8122	4.8300e-003		7.2600e-003	7.2600e-003		7.2600e-003	7.2600e-003	0.0000	418.3096	418.3096	0.0870	0.0000	420.4855
Total	**0.0562**	**0.3083**	**2.8122**	**4.8300e-003**		**7.2600e-003**	**7.2600e-003**		**7.2600e-003**	**7.2600e-003**	**0.0000**	**418.3096**	**418.3096**	**0.0870**	**0.0000**	**420.4855**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5000e-003	0.2989	0.1067	1.3200e-003	0.0501	1.6100e-003	0.0517	0.0145	1.5400e-003	0.0160	0.0000	129.6297	129.6297	5.2600e-003	0.0189	135.4033
Worker	0.0438	0.0281	0.4616	1.5400e-003	0.2093	9.2000e-004	0.2103	0.0556	8.4000e-004	0.0564	0.0000	148.7803	148.7803	2.6400e-003	3.1300e-003	149.7805
Total	**0.0513**	**0.3270**	**0.5683**	**2.8600e-003**	**0.2595**	**2.5300e-003**	**0.2620**	**0.0701**	**2.3800e-003**	**0.0725**	**0.0000**	**278.4099**	**278.4099**	**7.9000e-003**	**0.0221**	**285.1838**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Apron Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0528	0.5215	0.5309	1.5500e-003		0.0208	0.0208		0.0192	0.0192	0.0000	136.2964	136.2964	0.0441	0.0000	137.3985
Paving	8.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0537**	**0.5215**	**0.5309**	**1.5500e-003**		**0.0208**	**0.0208**		**0.0192**	**0.0192**	**0.0000**	**136.2964**	**136.2964**	**0.0441**	**0.0000**	**137.3985**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	8.0000e-004	0.0127	4.0000e-005	5.4900e-003	3.0000e-005	5.5100e-003	1.4600e-003	2.0000e-005	1.4800e-003	0.0000	3.9714	3.9714	8.0000e-005	9.0000e-005	3.9989
Total	**1.2100e-003**	**8.0000e-004**	**0.0127**	**4.0000e-005**	**5.4900e-003**	**3.0000e-005**	**5.5100e-003**	**1.4600e-003**	**2.0000e-005**	**1.4800e-003**	**0.0000**	**3.9714**	**3.9714**	**8.0000e-005**	**9.0000e-005**	**3.9989**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Apron Paving - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0192	0.0830	0.8254	1.5500e-003		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	136.2963	136.2963	0.0441	0.0000	137.3983
Paving	8.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0200**	**0.0830**	**0.8254**	**1.5500e-003**		**2.5500e-003**	**2.5500e-003**		**2.5500e-003**	**2.5500e-003**	**0.0000**	**136.2963**	**136.2963**	**0.0441**	**0.0000**	**137.3983**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	8.0000e-004	0.0127	4.0000e-005	5.4900e-003	3.0000e-005	5.5100e-003	1.4600e-003	2.0000e-005	1.4800e-003	0.0000	3.9714	3.9714	8.0000e-005	9.0000e-005	3.9989
Total	**1.2100e-003**	**8.0000e-004**	**0.0127**	**4.0000e-005**	**5.4900e-003**	**3.0000e-005**	**5.5100e-003**	**1.4600e-003**	**2.0000e-005**	**1.4800e-003**	**0.0000**	**3.9714**	**3.9714**	**8.0000e-005**	**9.0000e-005**	**3.9989**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Apron Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1109	1.0952	1.1149	3.2600e-003		0.0438	0.0438		0.0403	0.0403	0.0000	286.2225	286.2225	0.0926	0.0000	288.5368
Paving	1.7700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1127**	**1.0952**	**1.1149**	**3.2600e-003**		**0.0438**	**0.0438**		**0.0403**	**0.0403**	**0.0000**	**286.2225**	**286.2225**	**0.0926**	**0.0000**	**288.5368**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4100e-003	1.5500e-003	0.0254	8.0000e-005	0.0115	5.0000e-005	0.0116	3.0600e-003	5.0000e-005	3.1100e-003	0.0000	8.1876	8.1876	1.5000e-004	1.7000e-004	8.2426
Total	**2.4100e-003**	**1.5500e-003**	**0.0254**	**8.0000e-005**	**0.0115**	**5.0000e-005**	**0.0116**	**3.0600e-003**	**5.0000e-005**	**3.1100e-003**	**0.0000**	**8.1876**	**8.1876**	**1.5000e-004**	**1.7000e-004**	**8.2426**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Apron Paving - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0402	0.1743	1.7334	3.2600e-003		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003	0.0000	286.2222	286.2222	0.0926	0.0000	288.5364
Paving	1.7700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0420**	**0.1743**	**1.7334**	**3.2600e-003**		**5.3600e-003**	**5.3600e-003**		**5.3600e-003**	**5.3600e-003**	**0.0000**	**286.2222**	**286.2222**	**0.0926**	**0.0000**	**288.5364**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4100e-003	1.5500e-003	0.0254	8.0000e-005	0.0115	5.0000e-005	0.0116	3.0600e-003	5.0000e-005	3.1100e-003	0.0000	8.1876	8.1876	1.5000e-004	1.7000e-004	8.2426
Total	**2.4100e-003**	**1.5500e-003**	**0.0254**	**8.0000e-005**	**0.0115**	**5.0000e-005**	**0.0116**	**3.0600e-003**	**5.0000e-005**	**3.1100e-003**	**0.0000**	**8.1876**	**8.1876**	**1.5000e-004**	**1.7000e-004**	**8.2426**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 MHE Installation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0759	0.6521	1.0265	1.4600e-003		0.0231	0.0231		0.0215	0.0215	0.0000	124.7939	124.7939	0.0385	0.0000	125.7569
Total	**0.0759**	**0.6521**	**1.0265**	**1.4600e-003**		**0.0231**	**0.0231**		**0.0215**	**0.0215**	**0.0000**	**124.7939**	**124.7939**	**0.0385**	**0.0000**	**125.7569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8200e-003	0.3911	0.1396	1.7200e-003	0.0656	2.1100e-003	0.0677	0.0189	2.0200e-003	0.0209	0.0000	169.5784	169.5784	6.8800e-003	0.0248	177.1314
Worker	0.0573	0.0368	0.6038	2.0100e-003	0.2738	1.2000e-003	0.2750	0.0727	1.1000e-003	0.0738	0.0000	194.6308	194.6308	3.4600e-003	4.1000e-003	195.9393
Total	**0.0671**	**0.4278**	**0.7434**	**3.7300e-003**	**0.3394**	**3.3100e-003**	**0.3427**	**0.0917**	**3.1200e-003**	**0.0948**	**0.0000**	**364.2092**	**364.2092**	**0.0103**	**0.0289**	**373.0707**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 MHE Installation - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0192	0.2052	0.9783	1.4600e-003		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	124.7937	124.7937	0.0385	0.0000	125.7568
Total	**0.0192**	**0.2052**	**0.9783**	**1.4600e-003**		**2.1200e-003**	**2.1200e-003**		**2.1200e-003**	**2.1200e-003**	**0.0000**	**124.7937**	**124.7937**	**0.0385**	**0.0000**	**125.7568**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8200e-003	0.3911	0.1396	1.7200e-003	0.0656	2.1100e-003	0.0677	0.0189	2.0200e-003	0.0209	0.0000	169.5784	169.5784	6.8800e-003	0.0248	177.1314
Worker	0.0573	0.0368	0.6038	2.0100e-003	0.2738	1.2000e-003	0.2750	0.0727	1.1000e-003	0.0738	0.0000	194.6308	194.6308	3.4600e-003	4.1000e-003	195.9393
Total	**0.0671**	**0.4278**	**0.7434**	**3.7300e-003**	**0.3394**	**3.3100e-003**	**0.3427**	**0.0917**	**3.1200e-003**	**0.0948**	**0.0000**	**364.2092**	**364.2092**	**0.0103**	**0.0289**	**373.0707**

4.0 Operational Detail - Mobile

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401
Parking Lot	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401
Unrefrigerated Warehouse-No Rail	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2036	1.5000e-004	0.0171	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0334	0.0334	9.0000e-005	0.0000	0.0356
Unmitigated	1.2036	1.5000e-004	0.0171	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0334	0.0334	9.0000e-005	0.0000	0.0356

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1393					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0627					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5700e-003	1.5000e-004	0.0171	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0334	0.0334	9.0000e-005	0.0000	0.0356
Total	**1.2036**	**1.5000e-004**	**0.0171**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0334**	**0.0334**	**9.0000e-005**	**0.0000**	**0.0356**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1393					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0627					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5700e-003	1.5000e-004	0.0171	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0334	0.0334	9.0000e-005	0.0000	0.0356
Total	**1.2036**	**1.5000e-004**	**0.0171**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0334**	**0.0334**	**9.0000e-005**	**0.0000**	**0.0356**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	166.3104	2.0757	0.0502	233.1659
Unmitigated	166.3104	2.0757	0.0502	233.1659

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	63.3209 / 0	166.3104	2.0757	0.0502	233.1659
Total		**166.3104**	**2.0757**	**0.0502**	**233.1659**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	63.3209 / 0	166.3104	2.0757	0.0502	233.1659
Total		**166.3104**	**2.0757**	**0.0502**	**233.1659**

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.2478	3.0878	0.0000	129.4418
Unmitigated	52.2478	3.0878	0.0000	129.4418

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	257.39	52.2478	3.0878	0.0000	129.4418
Total		**52.2478**	**3.0878**	**0.0000**	**129.4418**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	257.39	52.2478	3.0878	0.0000	129.4418
Total		**52.2478**	**3.0878**	**0.0000**	**129.4418**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Ontario International Airport South Airport Cargo Center Project - Phase 2

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	246.82	1000sqft	2.40	246,825.00	0
Unrefrigerated Warehouse-No Rail	27.00	1000sqft	0.60	27,000.00	0
Other Non-Asphalt Surfaces	1,045.44	1000sqft	24.00	1,045,440.00	0
Parking Lot	28.00	Space	2.00	87,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Description

Construction Phase - Project Applicant, May 25, 2022

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Trips and VMT - Project Description

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition - CHA, November 22, 2021, Updated November 10, 2022

Grading - Project Description

Vehicle Trips - Motor vehicle emissions estimated externally

Energy Use - Calculations due to electrical usage are performed outside of the model and project would not use natural gas.

Construction Off-road Equipment Mitigation - Basic and Enhanced Emission Reduction Measures

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	67994	53268
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	87.00
tblConstructionPhase	NumDays	20.00	122.00
tblConstructionPhase	NumDays	440.00	264.00
tblConstructionPhase	NumDays	35.00	155.00
tblConstructionPhase	NumDays	440.00	208.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	1.98	0.00

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblGrading	AcresOfGrading	122.00	35.00
tblGrading	MaterialImported	0.00	50,000.00
tblLandUse	LandUseSquareFeet	246,820.00	246,825.00
tblLandUse	LandUseSquareFeet	11,200.00	87,800.00
tblLandUse	LotAcreage	5.67	2.40
tblLandUse	LotAcreage	0.62	0.60
tblLandUse	LotAcreage	0.25	2.00
tblOffRoadEquipment	HorsePower	158.00	450.00
tblOffRoadEquipment	HorsePower	89.00	50.00
tblOffRoadEquipment	HorsePower	130.00	350.00
tblOffRoadEquipment	HorsePower	80.00	120.00
tblOffRoadEquipment	HorsePower	247.00	250.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	46.00	10.00
tblOffRoadEquipment	HorsePower	63.00	75.00
tblOffRoadEquipment	HorsePower	63.00	75.00
tblOffRoadEquipment	HorsePower	158.00	425.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	172.00	425.00
tblOffRoadEquipment	HorsePower	172.00	385.00
tblOffRoadEquipment	HorsePower	8.00	250.00
tblOffRoadEquipment	HorsePower	84.00	200.00
tblOffRoadEquipment	HorsePower	80.00	120.00
tblOffRoadEquipment	HorsePower	65.00	225.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	VendorTripNumber	231.00	100.00
tblTripsAndVMT	VendorTripNumber	231.00	100.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblTripsAndVMT	WorkerTripNumber	591.00	240.00
tblTripsAndVMT	WorkerTripNumber	591.00	240.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00

2.0 Emissions Summary

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	4.4793	40.6132	37.2475	0.1335	5.5098	1.5666	7.0764	0.9082	1.4420	2.3501	0.0000	13,107.4053	13,107.4053	3.8208	0.2251	13,270.0025
2026	4.4755	40.5803	37.2194	0.1332	13.6817	1.5664	14.9820	7.0096	1.4418	8.2075	0.0000	13,076.9075	13,076.9075	3.8208	0.4986	13,238.2196
2027	5.2094	46.7339	58.4790	0.1623	13.6817	1.6439	14.9816	7.0096	1.5301	8.2071	0.0000	16,017.6946	16,017.6946	3.2656	0.4886	16,192.5263
2028	6.5582	56.8511	75.5301	0.2121	6.8692	1.8969	8.7661	1.8508	1.7659	3.6167	0.0000	21,211.8982	21,211.8982	3.7796	0.6083	21,487.6674
Maximum	**6.5582**	**56.8511**	**75.5301**	**0.2121**	**13.6817**	**1.8969**	**14.9820**	**7.0096**	**1.7659**	**8.2075**	**0.0000**	**21,211.8982**	**21,211.8982**	**3.8208**	**0.6083**	**21,487.6674**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.5631	9.1383	58.5293	0.1335	2.5262	0.2156	2.7418	0.4564	0.2147	0.6710	0.0000	13,107.4053	13,107.4053	3.8208	0.2251	13,270.0025
2026	1.5593	11.4003	58.5013	0.1332	6.1209	0.2155	6.3249	2.9468	0.2145	3.1487	0.0000	13,076.9075	13,076.9075	3.8208	0.4986	13,238.2196
2027	2.2446	11.3272	76.7680	0.1623	6.1209	0.2272	6.3245	2.9468	0.2253	3.1484	0.0000	16,017.6946	16,017.6946	3.2656	0.4886	16,192.5263
2028	3.0477	16.9952	93.3559	0.2121	6.8692	0.2784	7.1476	1.8508	0.2747	2.1255	0.0000	21,211.8982	21,211.8982	3.7796	0.6083	21,487.6674
Maximum	**3.0477**	**16.9952**	**93.3559**	**0.2121**	**6.8692**	**0.2784**	**7.1476**	**2.9468**	**0.2747**	**3.1487**	**0.0000**	**21,211.8982**	**21,211.8982**	**3.8208**	**0.6083**	**21,487.6674**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**59.39**	**73.56**	**-37.74**	**0.00**	**45.56**	**85.97**	**50.80**	**51.12**	**84.97**	**59.37**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5987	1.2300e-003	0.1369	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2949	0.2949	7.6000e-004		0.3139
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.5987**	**1.2300e-003**	**0.1369**	**1.0000e-005**	**0.0000**	**4.8000e-004**	**4.8000e-004**	**0.0000**	**4.8000e-004**	**4.8000e-004**		**0.2949**	**0.2949**	**7.6000e-004**	**0.0000**	**0.3139**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5987	1.2300e-003	0.1369	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2949	0.2949	7.6000e-004		0.3139
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.5987**	**1.2300e-003**	**0.1369**	**1.0000e-005**	**0.0000**	**4.8000e-004**	**4.8000e-004**	**0.0000**	**4.8000e-004**	**4.8000e-004**		**0.2949**	**0.2949**	**7.6000e-004**	**0.0000**	**0.3139**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/14/2025	1/13/2026	5	87	
2	Site Preparation	Site Preparation	12/6/2026	5/25/2027	5	122	
3	Building Construction	Building Construction	8/8/2027	8/10/2028	5	264	
4	Apron Paving	Paving	10/25/2027	5/26/2028	5	155	
5	MHE Installation	Building Construction	2/20/2028	12/6/2028	5	208	

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 0

Acres of Paving: 26

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	3	8.00	450	0.38
Demolition	Other Construction Equipment	3	8.00	425	0.42
Demolition	Other Material Handling Equipment	1	8.00	168	0.40
Demolition	Other Material Handling Equipment	1	8.00	168	0.40
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Excavators	3	8.00	425	0.38
Site Preparation	Off-Highway Trucks	3	8.00	300	0.38
Site Preparation	Plate Compactors	2	8.00	250	0.43
Site Preparation	Rollers	2	8.00	120	0.38
Site Preparation	Rubber Tired Dozers	2	8.00	250	0.40
Site Preparation	Skid Steer Loaders	2	8.00	225	0.37
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Aerial Lifts	5	8.00	75	0.31
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	200	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	120	0.37
Building Construction	Welders	1	8.00	46	0.45
Apron Paving	Graders	1	8.00	200	0.41
Apron Paving	Other Construction Equipment	1	8.00	385	0.42
Apron Paving	Pavers	2	8.00	350	0.42
Apron Paving	Paving Equipment	2	8.00	132	0.36
Apron Paving	Rollers	2	8.00	120	0.38
MHE Installation	Aerial Lifts	3	8.00	75	0.31
MHE Installation	Cranes	0	7.00	231	0.29
MHE Installation	Forklifts	3	8.00	50	0.20
MHE Installation	Generator Sets	0	8.00	84	0.74
MHE Installation	Tractors/Loaders/Backhoes	1	8.00	120	0.37
MHE Installation	Welders	2	8.00	10	0.45

Trips and VMT

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	20.00	0.00	1,966.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	6,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	240.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
MHE Installation	9	240.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8912	0.0000	4.8912	0.7406	0.0000	0.7406			0.0000			0.0000
Off-Road	4.3771	37.8053	35.8391	0.1191		1.5458	1.5458		1.4221	1.4221		11,526.7894	11,526.7894	3.7280		11,619.9893
Total	**4.3771**	**37.8053**	**35.8391**	**0.1191**	**4.8912**	**1.5458**	**6.4369**	**0.7406**	**1.4221**	**2.1627**		**11,526.7894**	**11,526.7894**	**3.7280**		**11,619.9893**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0468	2.7736	0.7997	0.0126	0.3951	0.0197	0.4148	0.1083	0.0188	0.1271		1,389.5919	1,389.5919	0.0888	0.2212	1,457.7224
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0554	0.0343	0.6087	1.8300e-003	0.2236	1.1600e-003	0.2247	0.0593	1.0600e-003	0.0604		191.0240	191.0240	3.9200e-003	3.9200e-003	192.2908
Total	**0.1022**	**2.8079**	**1.4084**	**0.0144**	**0.6187**	**0.0208**	**0.6395**	**0.1676**	**0.0199**	**0.1874**		**1,580.6159**	**1,580.6159**	**0.0928**	**0.2251**	**1,650.0132**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9076	0.0000	1.9076	0.2888	0.0000	0.2888			0.0000			0.0000
Off-Road	1.4609	6.3304	57.1209	0.1191		0.1948	0.1948		0.1948	0.1948	0.0000	11,526.7894	11,526.7894	3.7280		11,619.9893
Total	**1.4609**	**6.3304**	**57.1209**	**0.1191**	**1.9076**	**0.1948**	**2.1023**	**0.2888**	**0.1948**	**0.4836**	**0.0000**	**11,526.7894**	**11,526.7894**	**3.7280**		**11,619.9893**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0468	2.7736	0.7997	0.0126	0.3951	0.0197	0.4148	0.1083	0.0188	0.1271		1,389.5919	1,389.5919	0.0888	0.2212	1,457.7224
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0554	0.0343	0.6087	1.8300e-003	0.2236	1.1600e-003	0.2247	0.0593	1.0600e-003	0.0604		191.0240	191.0240	3.9200e-003	3.9200e-003	192.2908
Total	**0.1022**	**2.8079**	**1.4084**	**0.0144**	**0.6187**	**0.0208**	**0.6395**	**0.1676**	**0.0199**	**0.1874**		**1,580.6159**	**1,580.6159**	**0.0928**	**0.2251**	**1,650.0132**

3.2 Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8912	0.0000	4.8912	0.7406	0.0000	0.7406			0.0000			0.0000
Off-Road	4.3771	37.8053	35.8391	0.1191		1.5458	1.5458		1.4221	1.4221		11,526.7894	11,526.7894	3.7280		11,619.9893
Total	**4.3771**	**37.8053**	**35.8391**	**0.1191**	**4.8912**	**1.5458**	**6.4369**	**0.7406**	**1.4221**	**2.1627**		**11,526.7894**	**11,526.7894**	**3.7280**		**11,619.9893**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0463	2.7439	0.8078	0.0123	0.3951	0.0196	0.4147	0.1083	0.0187	0.1270		1,363.4391	1,363.4391	0.0892	0.2171	1,430.3597
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0521	0.0312	0.5726	1.7800e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0100e-003	0.0603		186.6790	186.6790	3.5600e-003	3.7000e-003	187.8706
Total	**0.0985**	**2.7750**	**1.3804**	**0.0141**	**0.6187**	**0.0207**	**0.6393**	**0.1676**	**0.0197**	**0.1873**		**1,550.1181**	**1,550.1181**	**0.0928**	**0.2208**	**1,618.2303**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9076	0.0000	1.9076	0.2888	0.0000	0.2888			0.0000			0.0000
Off-Road	1.4609	6.3304	57.1209	0.1191		0.1948	0.1948		0.1948	0.1948	0.0000	11,526.7894	11,526.7894	3.7280		11,619.9893
Total	**1.4609**	**6.3304**	**57.1209**	**0.1191**	**1.9076**	**0.1948**	**2.1023**	**0.2888**	**0.1948**	**0.4836**	**0.0000**	**11,526.7894**	**11,526.7894**	**3.7280**		**11,619.9893**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0463	2.7439	0.8078	0.0123	0.3951	0.0196	0.4147	0.1083	0.0187	0.1270		1,363.4391	1,363.4391	0.0892	0.2171	1,430.3597
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0521	0.0312	0.5726	1.7800e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0100e-003	0.0603		186.6790	186.6790	3.5600e-003	3.7000e-003	187.8706
Total	**0.0985**	**2.7750**	**1.3804**	**0.0141**	**0.6187**	**0.0207**	**0.6393**	**0.1676**	**0.0197**	**0.1873**		**1,550.1181**	**1,550.1181**	**0.0928**	**0.2208**	**1,618.2303**

3.3 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.3948	0.0000	12.3948	6.6603	0.0000	6.6603			0.0000			0.0000
Off-Road	3.7759	30.3763	27.7186	0.0963		1.2540	1.2540		1.1537	1.1537		9,319.8348	9,319.8348	3.0142		9,395.1904
Total	**3.7759**	**30.3763**	**27.7186**	**0.0963**	**12.3948**	**1.2540**	**13.6488**	**6.6603**	**1.1537**	**7.8140**		**9,319.8348**	**9,319.8348**	**3.0142**		**9,395.1904**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1050	6.2204	1.8312	0.0279	0.8957	0.0444	0.9401	0.2455	0.0425	0.2880		3,090.9478	3,090.9478	0.2022	0.4921	3,242.6582
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0912	0.0545	1.0020	3.1100e-003	0.3912	1.9200e-003	0.3931	0.1038	1.7700e-003	0.1055		326.6883	326.6883	6.2300e-003	6.4800e-003	328.7736
Total	**0.1962**	**6.2749**	**2.8333**	**0.0310**	**1.2870**	**0.0463**	**1.3333**	**0.3493**	**0.0442**	**0.3935**		**3,417.6361**	**3,417.6361**	**0.2085**	**0.4986**	**3,571.4318**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8340	0.0000	4.8340	2.5975	0.0000	2.5975			0.0000			0.0000
Off-Road	1.1828	5.1253	45.7810	0.0963		0.1577	0.1577		0.1577	0.1577	0.0000	9,319.8348	9,319.8348	3.0142		9,395.1903
Total	**1.1828**	**5.1253**	**45.7810**	**0.0963**	**4.8340**	**0.1577**	**4.9917**	**2.5975**	**0.1577**	**2.7552**	**0.0000**	**9,319.8348**	**9,319.8348**	**3.0142**		**9,395.1903**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1050	6.2204	1.8312	0.0279	0.8957	0.0444	0.9401	0.2455	0.0425	0.2880		3,090.9478	3,090.9478	0.2022	0.4921	3,242.6582
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0912	0.0545	1.0020	3.1100e-003	0.3912	1.9200e-003	0.3931	0.1038	1.7700e-003	0.1055		326.6883	326.6883	6.2300e-003	6.4800e-003	328.7736
Total	**0.1962**	**6.2749**	**2.8333**	**0.0310**	**1.2870**	**0.0463**	**1.3333**	**0.3493**	**0.0442**	**0.3935**		**3,417.6361**	**3,417.6361**	**0.2085**	**0.4986**	**3,571.4318**

3.3 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.3948	0.0000	12.3948	6.6603	0.0000	6.6603			0.0000			0.0000
Off-Road	3.7759	30.3763	27.7186	0.0963		1.2540	1.2540		1.1537	1.1537		9,319.8348	9,319.8348	3.0142		9,395.1904
Total	**3.7759**	**30.3763**	**27.7186**	**0.0963**	**12.3948**	**1.2540**	**13.6488**	**6.6603**	**1.1537**	**7.8140**		**9,319.8348**	**9,319.8348**	**3.0142**		**9,395.1904**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1039	6.1519	1.8456	0.0273	0.8957	0.0441	0.9399	0.2455	0.0422	0.2877		3,029.1784	3,029.1784	0.2022	0.4824	3,177.9972
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0861	0.0499	0.9485	3.0200e-003	0.3912	1.8000e-003	0.3930	0.1038	1.6600e-003	0.1054		319.9636	319.9636	5.6900e-003	6.1500e-003	321.9386
Total	**0.1900**	**6.2018**	**2.7941**	**0.0303**	**1.2870**	**0.0459**	**1.3329**	**0.3492**	**0.0439**	**0.3931**		**3,349.1421**	**3,349.1421**	**0.2079**	**0.4886**	**3,499.9359**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8340	0.0000	4.8340	2.5975	0.0000	2.5975			0.0000			0.0000
Off-Road	1.1828	5.1253	45.7810	0.0963		0.1577	0.1577		0.1577	0.1577	0.0000	9,319.8348	9,319.8348	3.0142		9,395.1903
Total	**1.1828**	**5.1253**	**45.7810**	**0.0963**	**4.8340**	**0.1577**	**4.9917**	**2.5975**	**0.1577**	**2.7552**	**0.0000**	**9,319.8348**	**9,319.8348**	**3.0142**		**9,395.1903**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1039	6.1519	1.8456	0.0273	0.8957	0.0441	0.9399	0.2455	0.0422	0.2877		3,029.1784	3,029.1784	0.2022	0.4824	3,177.9972
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0861	0.0499	0.9485	3.0200e-003	0.3912	1.8000e-003	0.3930	0.1038	1.6600e-003	0.1054		319.9636	319.9636	5.6900e-003	6.1500e-003	321.9386
Total	**0.1900**	**6.2018**	**2.7941**	**0.0303**	**1.2870**	**0.0459**	**1.3329**	**0.3492**	**0.0439**	**0.3931**		**3,349.1421**	**3,349.1421**	**0.2079**	**0.4886**	**3,499.9359**

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3250	21.8963	28.8657	0.0608		0.7765	0.7765		0.7313	0.7313		5,800.1004	5,800.1004	1.2068		5,830.2699
Total	**2.3250**	**21.8963**	**28.8657**	**0.0608**		**0.7765**	**0.7765**		**0.7313**	**0.7313**		**5,800.1004**	**5,800.1004**	**1.2068**		**5,830.2699**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0982	3.6066	1.3318	0.0169	0.6402	0.0203	0.6605	0.1843	0.0194	0.2038		1,831.0774	1,831.0774	0.0729	0.2670	1,912.4771
Worker	0.5904	0.3422	6.5039	0.0207	2.6826	0.0124	2.6950	0.7115	0.0114	0.7228		2,194.0364	2,194.0364	0.0390	0.0422	2,207.5793
Total	**0.6886**	**3.9487**	**7.8357**	**0.0376**	**3.3228**	**0.0327**	**3.3555**	**0.8958**	**0.0308**	**0.9266**		**4,025.1137**	**4,025.1137**	**0.1120**	**0.3092**	**4,120.0564**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7070	3.8776	35.3734	0.0608		0.0913	0.0913		0.0913	0.0913	0.0000	5,800.1004	5,800.1004	1.2068		5,830.2699
Total	**0.7070**	**3.8776**	**35.3734**	**0.0608**		**0.0913**	**0.0913**		**0.0913**	**0.0913**	**0.0000**	**5,800.1004**	**5,800.1004**	**1.2068**		**5,830.2699**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0982	3.6066	1.3318	0.0169	0.6402	0.0203	0.6605	0.1843	0.0194	0.2038		1,831.0774	1,831.0774	0.0729	0.2670	1,912.4771
Worker	0.5904	0.3422	6.5039	0.0207	2.6826	0.0124	2.6950	0.7115	0.0114	0.7228		2,194.0364	2,194.0364	0.0390	0.0422	2,207.5793
Total	**0.6886**	**3.9487**	**7.8357**	**0.0376**	**3.3228**	**0.0327**	**3.3555**	**0.8958**	**0.0308**	**0.9266**		**4,025.1137**	**4,025.1137**	**0.1120**	**0.3092**	**4,120.0564**

3.4 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3250	21.8963	28.8657	0.0608		0.7765	0.7765		0.7313	0.7313		5,800.1004	5,800.1004	1.2068		5,830.2699
Total	**2.3250**	**21.8963**	**28.8657**	**0.0608**		**0.7765**	**0.7765**		**0.7313**	**0.7313**		**5,800.1004**	**5,800.1004**	**1.2068**		**5,830.2699**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0966	3.5836	1.3226	0.0166	0.6402	0.0202	0.6605	0.1843	0.0194	0.2037		1,796.0284	1,796.0284	0.0731	0.2622	1,875.9807
Worker	0.5584	0.3156	6.1985	0.0202	2.6826	0.0115	2.6942	0.7115	0.0106	0.7221		2,153.9464	2,153.9464	0.0359	0.0403	2,166.8568
Total	**0.6550**	**3.8992**	**7.5211**	**0.0368**	**3.3228**	**0.0318**	**3.3546**	**0.8958**	**0.0300**	**0.9258**		**3,949.9748**	**3,949.9748**	**0.1090**	**0.3025**	**4,042.8375**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7070	3.8776	35.3734	0.0608		0.0913	0.0913		0.0913	0.0913	0.0000	5,800.1004	5,800.1004	1.2068		5,830.2699
Total	**0.7070**	**3.8776**	**35.3734**	**0.0608**		**0.0913**	**0.0913**		**0.0913**	**0.0913**	**0.0000**	**5,800.1004**	**5,800.1004**	**1.2068**		**5,830.2699**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0966	3.5836	1.3226	0.0166	0.6402	0.0202	0.6605	0.1843	0.0194	0.2037		1,796.0284	1,796.0284	0.0731	0.2622	1,875.9807
Worker	0.5584	0.3156	6.1985	0.0202	2.6826	0.0115	2.6942	0.7115	0.0106	0.7221		2,153.9464	2,153.9464	0.0359	0.0403	2,166.8568
Total	**0.6550**	**3.8992**	**7.5211**	**0.0368**	**3.3228**	**0.0318**	**3.3546**	**0.8958**	**0.0300**	**0.9258**		**3,949.9748**	**3,949.9748**	**0.1090**	**0.3025**	**4,042.8375**

3.5 Apron Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1128	20.8603	21.2357	0.0621		0.8337	0.8337		0.7670	0.7670		6,009.6441	6,009.6441	1.9436		6,058.2351
Paving	0.0338					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1466**	**20.8603**	**21.2357**	**0.0621**		**0.8337**	**0.8337**		**0.7670**	**0.7670**		**6,009.6441**	**6,009.6441**	**1.9436**		**6,058.2351**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Apron Paving - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0285	0.5420	1.7300e-003	0.2236	1.0300e-003	0.2246	0.0593	9.5000e-004	0.0602		182.8364	182.8364	3.2500e-003	3.5100e-003	183.9649
Total	**0.0492**	**0.0285**	**0.5420**	**1.7300e-003**	**0.2236**	**1.0300e-003**	**0.2246**	**0.0593**	**9.5000e-004**	**0.0602**		**182.8364**	**182.8364**	**3.2500e-003**	**3.5100e-003**	**183.9649**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7661	3.3197	33.0169	0.0621		0.1021	0.1021		0.1021	0.1021	0.0000	6,009.6441	6,009.6441	1.9436		6,058.2351
Paving	0.0338					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7999**	**3.3197**	**33.0169**	**0.0621**		**0.1021**	**0.1021**		**0.1021**	**0.1021**	**0.0000**	**6,009.6441**	**6,009.6441**	**1.9436**		**6,058.2351**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Apron Paving - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0285	0.5420	1.7300e-003	0.2236	1.0300e-003	0.2246	0.0593	9.5000e-004	0.0602		182.8364	182.8364	3.2500e-003	3.5100e-003	183.9649
Total	**0.0492**	**0.0285**	**0.5420**	**1.7300e-003**	**0.2236**	**1.0300e-003**	**0.2246**	**0.0593**	**9.5000e-004**	**0.0602**		**182.8364**	**182.8364**	**3.2500e-003**	**3.5100e-003**	**183.9649**

3.5 Apron Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1128	20.8603	21.2357	0.0621		0.8337	0.8337		0.7670	0.7670		6,009.6441	6,009.6441	1.9436		6,058.2351
Paving	0.0338					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1466**	**20.8603**	**21.2357**	**0.0621**		**0.8337**	**0.8337**		**0.7670**	**0.7670**		**6,009.6441**	**6,009.6441**	**1.9436**		**6,058.2351**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Apron Paving - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0465	0.0263	0.5165	1.6800e-003	0.2236	9.6000e-004	0.2245	0.0593	8.9000e-004	0.0602		179.4955	179.4955	2.9900e-003	3.3600e-003	180.5714
Total	**0.0465**	**0.0263**	**0.5165**	**1.6800e-003**	**0.2236**	**9.6000e-004**	**0.2245**	**0.0593**	**8.9000e-004**	**0.0602**		**179.4955**	**179.4955**	**2.9900e-003**	**3.3600e-003**	**180.5714**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7661	3.3197	33.0169	0.0621		0.1021	0.1021		0.1021	0.1021	0.0000	6,009.6441	6,009.6441	1.9436		6,058.2351
Paving	0.0338					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7999**	**3.3197**	**33.0169**	**0.0621**		**0.1021**	**0.1021**		**0.1021**	**0.1021**	**0.0000**	**6,009.6441**	**6,009.6441**	**1.9436**		**6,058.2351**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Apron Paving - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0465	0.0263	0.5165	1.6800e-003	0.2236	9.6000e-004	0.2245	0.0593	8.9000e-004	0.0602		179.4955	179.4955	2.9900e-003	3.3600e-003	180.5714
Total	**0.0465**	**0.0263**	**0.5165**	**1.6800e-003**	**0.2236**	**9.6000e-004**	**0.2245**	**0.0593**	**8.9000e-004**	**0.0602**		**179.4955**	**179.4955**	**2.9900e-003**	**3.3600e-003**	**180.5714**

3.6 MHE Installation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7301	6.2697	9.8700	0.0140		0.2221	0.2221		0.2067	0.2067		1,322.7086	1,322.7086	0.4083		1,332.9160
Total	**0.7301**	**6.2697**	**9.8700**	**0.0140**		**0.2221**	**0.2221**		**0.2067**	**0.2067**		**1,322.7086**	**1,322.7086**	**0.4083**		**1,332.9160**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 MHE Installation - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0966	3.5836	1.3226	0.0166	0.6402	0.0202	0.6605	0.1843	0.0194	0.2037		1,796.0284	1,796.0284	0.0731	0.2622	1,875.9807
Worker	0.5584	0.3156	6.1985	0.0202	2.6826	0.0115	2.6942	0.7115	0.0106	0.7221		2,153.9464	2,153.9464	0.0359	0.0403	2,166.8568
Total	**0.6550**	**3.8992**	**7.5211**	**0.0368**	**3.3228**	**0.0318**	**3.3546**	**0.8958**	**0.0300**	**0.9258**		**3,949.9748**	**3,949.9748**	**0.1090**	**0.3025**	**4,042.8375**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1843	1.9732	9.4068	0.0140		0.0203	0.0203		0.0203	0.0203	0.0000	1,322.7086	1,322.7086	0.4083		1,332.9160
Total	**0.1843**	**1.9732**	**9.4068**	**0.0140**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**1,322.7086**	**1,322.7086**	**0.4083**		**1,332.9160**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 MHE Installation - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0966	3.5836	1.3226	0.0166	0.6402	0.0202	0.6605	0.1843	0.0194	0.2037		1,796.0284	1,796.0284	0.0731	0.2622	1,875.9807
Worker	0.5584	0.3156	6.1985	0.0202	2.6826	0.0115	2.6942	0.7115	0.0106	0.7221		2,153.9464	2,153.9464	0.0359	0.0403	2,166.8568
Total	**0.6550**	**3.8992**	**7.5211**	**0.0368**	**3.3228**	**0.0318**	**3.3546**	**0.8958**	**0.0300**	**0.9258**		**3,949.9748**	**3,949.9748**	**0.1090**	**0.3025**	**4,042.8375**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401
Parking Lot	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401
Unrefrigerated Warehouse-No Rail	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5987	1.2300e-003	0.1369	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2949	0.2949	7.6000e-004		0.3139
Unmitigated	6.5987	1.2300e-003	0.1369	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2949	0.2949	7.6000e-004		0.3139

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7631					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.8231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0125	1.2300e-003	0.1369	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2949	0.2949	7.6000e-004		0.3139
Total	**6.5987**	**1.2300e-003**	**0.1369**	**1.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**		**0.2949**	**0.2949**	**7.6000e-004**		**0.3139**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7631					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.8231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0125	1.2300e-003	0.1369	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2949	0.2949	7.6000e-004		0.3139
Total	**6.5987**	**1.2300e-003**	**0.1369**	**1.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**		**0.2949**	**0.2949**	**7.6000e-004**		**0.3139**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Ontario International Airport South Airport Cargo Center Project - Phase 2

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	246.82	1000sqft	2.40	246,825.00	0
Unrefrigerated Warehouse-No Rail	27.00	1000sqft	0.60	27,000.00	0
Other Non-Asphalt Surfaces	1,045.44	1000sqft	24.00	1,045,440.00	0
Parking Lot	28.00	Space	2.00	87,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Description

Construction Phase - Project Applicant, May 25, 2022

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Off-road Equipment - Project proponent, December 15, 2021

Trips and VMT - Project Description

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition - CHA, November 22, 2021, Updated November 10, 2022

Grading - Project Description

Vehicle Trips - Motor vehicle emissions estimated externally

Energy Use - Calculations due to electrical usage are performed outside of the model and project would not use natural gas.

Construction Off-road Equipment Mitigation - Basic and Enhanced Emission Reduction Measures

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	67994	53268
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	87.00
tblConstructionPhase	NumDays	20.00	122.00
tblConstructionPhase	NumDays	440.00	264.00
tblConstructionPhase	NumDays	35.00	155.00
tblConstructionPhase	NumDays	440.00	208.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	1.98	0.00

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblGrading	AcresOfGrading	122.00	35.00
tblGrading	MaterialImported	0.00	50,000.00
tblLandUse	LandUseSquareFeet	246,820.00	246,825.00
tblLandUse	LandUseSquareFeet	11,200.00	87,800.00
tblLandUse	LotAcreage	5.67	2.40
tblLandUse	LotAcreage	0.62	0.60
tblLandUse	LotAcreage	0.25	2.00
tblOffRoadEquipment	HorsePower	158.00	450.00
tblOffRoadEquipment	HorsePower	89.00	50.00
tblOffRoadEquipment	HorsePower	130.00	350.00
tblOffRoadEquipment	HorsePower	80.00	120.00
tblOffRoadEquipment	HorsePower	247.00	250.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	97.00	120.00
tblOffRoadEquipment	HorsePower	46.00	10.00
tblOffRoadEquipment	HorsePower	63.00	75.00
tblOffRoadEquipment	HorsePower	63.00	75.00
tblOffRoadEquipment	HorsePower	158.00	425.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	172.00	425.00
tblOffRoadEquipment	HorsePower	172.00	385.00
tblOffRoadEquipment	HorsePower	8.00	250.00
tblOffRoadEquipment	HorsePower	84.00	200.00
tblOffRoadEquipment	HorsePower	80.00	120.00
tblOffRoadEquipment	HorsePower	65.00	225.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	VendorTripNumber	231.00	100.00
tblTripsAndVMT	VendorTripNumber	231.00	100.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblTripsAndVMT	WorkerTripNumber	591.00	240.00
tblTripsAndVMT	WorkerTripNumber	591.00	240.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00

2.0 Emissions Summary

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	4.4802	40.7416	37.2047	0.1334	5.5098	1.5666	7.0764	0.9082	1.4420	2.3501	0.0000	13,098.2488	13,098.2488	3.8207	0.2256	13,260.9867
2026	4.4764	40.7074	37.1800	0.1331	13.6817	1.5665	14.9821	7.0096	1.4419	8.2076	0.0000	13,067.9916	13,067.9916	3.8207	0.4995	13,229.4393
2027	5.2548	46.9406	57.9120	0.1611	13.6817	1.6440	14.9817	7.0096	1.5302	8.2072	0.0000	15,889.0022	15,889.0022	3.2662	0.4895	16,064.8781
2028	6.6427	57.2550	74.5010	0.2099	6.8692	1.8970	8.7663	1.8508	1.7660	3.6169	0.0000	20,969.2971	20,969.2971	3.7806	0.6147	21,247.0025
Maximum	**6.6427**	**57.2550**	**74.5010**	**0.2099**	**13.6817**	**1.8970**	**14.9821**	**7.0096**	**1.7660**	**8.2076**	**0.0000**	**20,969.2971**	**20,969.2971**	**3.8207**	**0.6147**	**21,247.0025**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.5640	9.2667	58.4865	0.1334	2.5262	0.2156	2.7419	0.4564	0.2147	0.6711	0.0000	13,098.2488	13,098.2488	3.8207	0.2256	13,260.9866
2026	1.5602	11.6867	58.4618	0.1331	6.1209	0.2155	6.3250	2.9468	0.2146	3.1488	0.0000	13,067.9916	13,067.9916	3.8207	0.4995	13,229.4393
2027	2.2900	11.6107	76.2011	0.1611	6.1209	0.2273	6.3246	2.9468	0.2254	3.1484	0.0000	15,889.0021	15,889.0021	3.2662	0.4895	16,064.8781
2028	3.1322	17.3991	92.3268	0.2099	6.8692	0.2785	7.1478	1.8508	0.2748	2.1257	0.0000	20,969.2971	20,969.2971	3.7806	0.6147	21,247.0025
Maximum	**3.1322**	**17.3991**	**92.3268**	**0.2099**	**6.8692**	**0.2785**	**7.1478**	**2.9468**	**0.2748**	**3.1488**	**0.0000**	**20,969.2971**	**20,969.2971**	**3.8207**	**0.6147**	**21,247.0025**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**59.02**	**73.09**	**-38.05**	**0.00**	**45.56**	**85.96**	**50.79**	**51.12**	**84.96**	**59.37**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5987	1.2300e-003	0.1369	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2949	0.2949	7.6000e-004		0.3139
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.5987**	**1.2300e-003**	**0.1369**	**1.0000e-005**	**0.0000**	**4.8000e-004**	**4.8000e-004**	**0.0000**	**4.8000e-004**	**4.8000e-004**		**0.2949**	**0.2949**	**7.6000e-004**	**0.0000**	**0.3139**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5987	1.2300e-003	0.1369	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2949	0.2949	7.6000e-004		0.3139
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.5987**	**1.2300e-003**	**0.1369**	**1.0000e-005**	**0.0000**	**4.8000e-004**	**4.8000e-004**	**0.0000**	**4.8000e-004**	**4.8000e-004**		**0.2949**	**0.2949**	**7.6000e-004**	**0.0000**	**0.3139**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/14/2025	1/13/2026	5	87	
2	Site Preparation	Site Preparation	12/6/2026	5/25/2027	5	122	
3	Building Construction	Building Construction	8/8/2027	8/10/2028	5	264	
4	Apron Paving	Paving	10/25/2027	5/26/2028	5	155	
5	MHE Installation	Building Construction	2/20/2028	12/6/2028	5	208	

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 0

Acres of Paving: 26

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	3	8.00	450	0.38
Demolition	Other Construction Equipment	3	8.00	425	0.42
Demolition	Other Material Handling Equipment	1	8.00	168	0.40
Demolition	Other Material Handling Equipment	1	8.00	168	0.40
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Excavators	3	8.00	425	0.38
Site Preparation	Off-Highway Trucks	3	8.00	300	0.38
Site Preparation	Plate Compactors	2	8.00	250	0.43
Site Preparation	Rollers	2	8.00	120	0.38
Site Preparation	Rubber Tired Dozers	2	8.00	250	0.40
Site Preparation	Skid Steer Loaders	2	8.00	225	0.37
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Aerial Lifts	5	8.00	75	0.31
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	200	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	120	0.37
Building Construction	Welders	1	8.00	46	0.45
Apron Paving	Graders	1	8.00	200	0.41
Apron Paving	Other Construction Equipment	1	8.00	385	0.42
Apron Paving	Pavers	2	8.00	350	0.42
Apron Paving	Paving Equipment	2	8.00	132	0.36
Apron Paving	Rollers	2	8.00	120	0.38
MHE Installation	Aerial Lifts	3	8.00	75	0.31
MHE Installation	Cranes	0	7.00	231	0.29
MHE Installation	Forklifts	3	8.00	50	0.20
MHE Installation	Generator Sets	0	8.00	84	0.74
MHE Installation	Tractors/Loaders/Backhoes	1	8.00	120	0.37
MHE Installation	Welders	2	8.00	10	0.45

Trips and VMT

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	20.00	0.00	1,966.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	6,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	240.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
MHE Installation	9	240.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8912	0.0000	4.8912	0.7406	0.0000	0.7406			0.0000			0.0000
Off-Road	4.3771	37.8053	35.8391	0.1191		1.5458	1.5458		1.4221	1.4221		11,526.7894	11,526.7894	3.7280		11,619.9893
Total	**4.3771**	**37.8053**	**35.8391**	**0.1191**	**4.8912**	**1.5458**	**6.4369**	**0.7406**	**1.4221**	**2.1627**		**11,526.7894**	**11,526.7894**	**3.7280**		**11,619.9893**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0438	2.8987	0.8101	0.0126	0.3951	0.0197	0.4148	0.1083	0.0188	0.1271		1,391.0562	1,391.0562	0.0887	0.2214	1,459.2530
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0593	0.0376	0.5556	1.7300e-003	0.2236	1.1600e-003	0.2247	0.0593	1.0600e-003	0.0604		180.4033	180.4033	3.9900e-003	4.1700e-003	181.7444
Total	**0.1031**	**2.9363**	**1.3656**	**0.0143**	**0.6187**	**0.0209**	**0.6395**	**0.1676**	**0.0199**	**0.1875**		**1,571.4594**	**1,571.4594**	**0.0927**	**0.2256**	**1,640.9973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9076	0.0000	1.9076	0.2888	0.0000	0.2888			0.0000			0.0000
Off-Road	1.4609	6.3304	57.1209	0.1191		0.1948	0.1948		0.1948	0.1948	0.0000	11,526.7894	11,526.7894	3.7280		11,619.9893
Total	**1.4609**	**6.3304**	**57.1209**	**0.1191**	**1.9076**	**0.1948**	**2.1023**	**0.2888**	**0.1948**	**0.4836**	**0.0000**	**11,526.7894**	**11,526.7894**	**3.7280**		**11,619.9893**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0438	2.8987	0.8101	0.0126	0.3951	0.0197	0.4148	0.1083	0.0188	0.1271		1,391.0562	1,391.0562	0.0887	0.2214	1,459.2530
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0593	0.0376	0.5556	1.7300e-003	0.2236	1.1600e-003	0.2247	0.0593	1.0600e-003	0.0604		180.4033	180.4033	3.9900e-003	4.1700e-003	181.7444
Total	**0.1031**	**2.9363**	**1.3656**	**0.0143**	**0.6187**	**0.0209**	**0.6395**	**0.1676**	**0.0199**	**0.1875**		**1,571.4594**	**1,571.4594**	**0.0927**	**0.2256**	**1,640.9973**

3.2 Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8912	0.0000	4.8912	0.7406	0.0000	0.7406			0.0000			0.0000
Off-Road	4.3771	37.8053	35.8391	0.1191		1.5458	1.5458		1.4221	1.4221		11,526.7894	11,526.7894	3.7280		11,619.9893
Total	**4.3771**	**37.8053**	**35.8391**	**0.1191**	**4.8912**	**1.5458**	**6.4369**	**0.7406**	**1.4221**	**2.1627**		**11,526.7894**	**11,526.7894**	**3.7280**		**11,619.9893**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0433	2.8679	0.8180	0.0123	0.3951	0.0196	0.4147	0.1083	0.0188	0.1271		1,364.8917	1,364.8917	0.0890	0.2173	1,431.8780
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0561	0.0341	0.5229	1.6800e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0100e-003	0.0603		176.3105	176.3105	3.6300e-003	3.9300e-003	177.5720
Total	**0.0993**	**2.9021**	**1.3409**	**0.0140**	**0.6187**	**0.0207**	**0.6394**	**0.1676**	**0.0198**	**0.1874**		**1,541.2022**	**1,541.2022**	**0.0927**	**0.2213**	**1,609.4500**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9076	0.0000	1.9076	0.2888	0.0000	0.2888			0.0000			0.0000
Off-Road	1.4609	6.3304	57.1209	0.1191		0.1948	0.1948		0.1948	0.1948	0.0000	11,526.7894	11,526.7894	3.7280		11,619.9893
Total	**1.4609**	**6.3304**	**57.1209**	**0.1191**	**1.9076**	**0.1948**	**2.1023**	**0.2888**	**0.1948**	**0.4836**	**0.0000**	**11,526.7894**	**11,526.7894**	**3.7280**		**11,619.9893**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0433	2.8679	0.8180	0.0123	0.3951	0.0196	0.4147	0.1083	0.0188	0.1271		1,364.8917	1,364.8917	0.0890	0.2173	1,431.8780
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0561	0.0341	0.5229	1.6800e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0100e-003	0.0603		176.3105	176.3105	3.6300e-003	3.9300e-003	177.5720
Total	**0.0993**	**2.9021**	**1.3409**	**0.0140**	**0.6187**	**0.0207**	**0.6394**	**0.1676**	**0.0198**	**0.1874**		**1,541.2022**	**1,541.2022**	**0.0927**	**0.2213**	**1,609.4500**

3.3 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.3948	0.0000	12.3948	6.6603	0.0000	6.6603			0.0000			0.0000
Off-Road	3.7759	30.3763	27.7186	0.0963		1.2540	1.2540		1.1537	1.1537		9,319.8348	9,319.8348	3.0142		9,395.1904
Total	**3.7759**	**30.3763**	**27.7186**	**0.0963**	**12.3948**	**1.2540**	**13.6488**	**6.6603**	**1.1537**	**7.8140**		**9,319.8348**	**9,319.8348**	**3.0142**		**9,395.1904**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0981	6.5016	1.8545	0.0279	0.8957	0.0445	0.9402	0.2455	0.0426	0.2881		3,094.2409	3,094.2409	0.2018	0.4927	3,246.1004
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0981	0.0597	0.9150	2.9400e-003	0.3912	1.9200e-003	0.3931	0.1038	1.7700e-003	0.1055		308.5434	308.5434	6.3500e-003	6.8800e-003	310.7509
Total	**0.1962**	**6.5614**	**2.7695**	**0.0309**	**1.2870**	**0.0464**	**1.3334**	**0.3493**	**0.0443**	**0.3936**		**3,402.7843**	**3,402.7843**	**0.2082**	**0.4995**	**3,556.8514**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8340	0.0000	4.8340	2.5975	0.0000	2.5975			0.0000			0.0000
Off-Road	1.1828	5.1253	45.7810	0.0963		0.1577	0.1577		0.1577	0.1577	0.0000	9,319.8348	9,319.8348	3.0142		9,395.1903
Total	**1.1828**	**5.1253**	**45.7810**	**0.0963**	**4.8340**	**0.1577**	**4.9917**	**2.5975**	**0.1577**	**2.7552**	**0.0000**	**9,319.8348**	**9,319.8348**	**3.0142**		**9,395.1903**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0981	6.5016	1.8545	0.0279	0.8957	0.0445	0.9402	0.2455	0.0426	0.2881		3,094.2409	3,094.2409	0.2018	0.4927	3,246.1004
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0981	0.0597	0.9150	2.9400e-003	0.3912	1.9200e-003	0.3931	0.1038	1.7700e-003	0.1055		308.5434	308.5434	6.3500e-003	6.8800e-003	310.7509
Total	**0.1962**	**6.5614**	**2.7695**	**0.0309**	**1.2870**	**0.0464**	**1.3334**	**0.3493**	**0.0443**	**0.3936**		**3,402.7843**	**3,402.7843**	**0.2082**	**0.4995**	**3,556.8514**

3.3 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.3948	0.0000	12.3948	6.6603	0.0000	6.6603			0.0000			0.0000
Off-Road	3.7759	30.3763	27.7186	0.0963		1.2540	1.2540		1.1537	1.1537		9,319.8348	9,319.8348	3.0142		9,395.1904
Total	**3.7759**	**30.3763**	**27.7186**	**0.0963**	**12.3948**	**1.2540**	**13.6488**	**6.6603**	**1.1537**	**7.8140**		**9,319.8348**	**9,319.8348**	**3.0142**		**9,395.1904**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0970	6.4307	1.8687	0.0273	0.8957	0.0442	0.9399	0.2455	0.0423	0.2878		3,032.4424	3,032.4424	0.2018	0.4830	3,181.4089
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0928	0.0547	0.8665	2.8500e-003	0.3912	1.8000e-003	0.3930	0.1038	1.6600e-003	0.1054		302.2022	302.2022	5.8100e-003	6.5300e-003	304.2928
Total	**0.1898**	**6.4854**	**2.7351**	**0.0302**	**1.2870**	**0.0460**	**1.3330**	**0.3492**	**0.0440**	**0.3932**		**3,334.6446**	**3,334.6446**	**0.2076**	**0.4895**	**3,485.7017**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8340	0.0000	4.8340	2.5975	0.0000	2.5975			0.0000			0.0000
Off-Road	1.1828	5.1253	45.7810	0.0963		0.1577	0.1577		0.1577	0.1577	0.0000	9,319.8348	9,319.8348	3.0142		9,395.1903
Total	**1.1828**	**5.1253**	**45.7810**	**0.0963**	**4.8340**	**0.1577**	**4.9917**	**2.5975**	**0.1577**	**2.7552**	**0.0000**	**9,319.8348**	**9,319.8348**	**3.0142**		**9,395.1903**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0970	6.4307	1.8687	0.0273	0.8957	0.0442	0.9399	0.2455	0.0423	0.2878		3,032.4424	3,032.4424	0.2018	0.4830	3,181.4089
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0928	0.0547	0.8665	2.8500e-003	0.3912	1.8000e-003	0.3930	0.1038	1.6600e-003	0.1054		302.2022	302.2022	5.8100e-003	6.5300e-003	304.2928
Total	**0.1898**	**6.4854**	**2.7351**	**0.0302**	**1.2870**	**0.0460**	**1.3330**	**0.3492**	**0.0440**	**0.3932**		**3,334.6446**	**3,334.6446**	**0.2076**	**0.4895**	**3,485.7017**

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3250	21.8963	28.8657	0.0608		0.7765	0.7765		0.7313	0.7313		5,800.1004	5,800.1004	1.2068		5,830.2699
Total	**2.3250**	**21.8963**	**28.8657**	**0.0608**		**0.7765**	**0.7765**		**0.7313**	**0.7313**		**5,800.1004**	**5,800.1004**	**1.2068**		**5,830.2699**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0936	3.7779	1.3741	0.0169	0.6402	0.0204	0.6606	0.1843	0.0195	0.2038		1,834.3270	1,834.3270	0.0726	0.2677	1,915.9122
Worker	0.6365	0.3749	5.9415	0.0196	2.6826	0.0124	2.6950	0.7115	0.0114	0.7228		2,072.2436	2,072.2436	0.0398	0.0448	2,086.5793
Total	**0.7301**	**4.1528**	**7.3156**	**0.0365**	**3.3228**	**0.0328**	**3.3556**	**0.8958**	**0.0309**	**0.9267**		**3,906.5707**	**3,906.5707**	**0.1125**	**0.3124**	**4,002.4915**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7070	3.8776	35.3734	0.0608		0.0913	0.0913		0.0913	0.0913	0.0000	5,800.1004	5,800.1004	1.2068		5,830.2699
Total	**0.7070**	**3.8776**	**35.3734**	**0.0608**		**0.0913**	**0.0913**		**0.0913**	**0.0913**	**0.0000**	**5,800.1004**	**5,800.1004**	**1.2068**		**5,830.2699**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0936	3.7779	1.3741	0.0169	0.6402	0.0204	0.6606	0.1843	0.0195	0.2038		1,834.3270	1,834.3270	0.0726	0.2677	1,915.9122
Worker	0.6365	0.3749	5.9415	0.0196	2.6826	0.0124	2.6950	0.7115	0.0114	0.7228		2,072.2436	2,072.2436	0.0398	0.0448	2,086.5793
Total	**0.7301**	**4.1528**	**7.3156**	**0.0365**	**3.3228**	**0.0328**	**3.3556**	**0.8958**	**0.0309**	**0.9267**		**3,906.5707**	**3,906.5707**	**0.1125**	**0.3124**	**4,002.4915**

3.4 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3250	21.8963	28.8657	0.0608		0.7765	0.7765		0.7313	0.7313		5,800.1004	5,800.1004	1.2068		5,830.2699
Total	**2.3250**	**21.8963**	**28.8657**	**0.0608**		**0.7765**	**0.7765**		**0.7313**	**0.7313**		**5,800.1004**	**5,800.1004**	**1.2068**		**5,830.2699**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0920	3.7542	1.3644	0.0166	0.6402	0.0203	0.6605	0.1843	0.0194	0.2038		1,799.2540	1,799.2540	0.0728	0.2628	1,879.3881
Worker	0.6034	0.3457	5.6644	0.0191	2.6826	0.0115	2.6942	0.7115	0.0106	0.7221		2,034.4013	2,034.4013	0.0367	0.0428	2,048.0666
Total	**0.6954**	**4.0999**	**7.0288**	**0.0357**	**3.3228**	**0.0319**	**3.3547**	**0.8958**	**0.0301**	**0.9258**		**3,833.6553**	**3,833.6553**	**0.1094**	**0.3056**	**3,927.4546**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7070	3.8776	35.3734	0.0608		0.0913	0.0913		0.0913	0.0913	0.0000	5,800.1004	5,800.1004	1.2068		5,830.2699
Total	**0.7070**	**3.8776**	**35.3734**	**0.0608**		**0.0913**	**0.0913**		**0.0913**	**0.0913**	**0.0000**	**5,800.1004**	**5,800.1004**	**1.2068**		**5,830.2699**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0920	3.7542	1.3644	0.0166	0.6402	0.0203	0.6605	0.1843	0.0194	0.2038		1,799.2540	1,799.2540	0.0728	0.2628	1,879.3881
Worker	0.6034	0.3457	5.6644	0.0191	2.6826	0.0115	2.6942	0.7115	0.0106	0.7221		2,034.4013	2,034.4013	0.0367	0.0428	2,048.0666
Total	**0.6954**	**4.0999**	**7.0288**	**0.0357**	**3.3228**	**0.0319**	**3.3547**	**0.8958**	**0.0301**	**0.9258**		**3,833.6553**	**3,833.6553**	**0.1094**	**0.3056**	**3,927.4546**

3.5 Apron Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1128	20.8603	21.2357	0.0621		0.8337	0.8337		0.7670	0.7670		6,009.6441	6,009.6441	1.9436		6,058.2351
Paving	0.0338					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1466**	**20.8603**	**21.2357**	**0.0621**		**0.8337**	**0.8337**		**0.7670**	**0.7670**		**6,009.6441**	**6,009.6441**	**1.9436**		**6,058.2351**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Apron Paving - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0530	0.0312	0.4951	1.6300e-003	0.2236	1.0300e-003	0.2246	0.0593	9.5000e-004	0.0602		172.6870	172.6870	3.3200e-003	3.7300e-003	173.8816
Total	**0.0530**	**0.0312**	**0.4951**	**1.6300e-003**	**0.2236**	**1.0300e-003**	**0.2246**	**0.0593**	**9.5000e-004**	**0.0602**		**172.6870**	**172.6870**	**3.3200e-003**	**3.7300e-003**	**173.8816**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7661	3.3197	33.0169	0.0621		0.1021	0.1021		0.1021	0.1021	0.0000	6,009.6441	6,009.6441	1.9436		6,058.2351
Paving	0.0338					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7999**	**3.3197**	**33.0169**	**0.0621**		**0.1021**	**0.1021**		**0.1021**	**0.1021**	**0.0000**	**6,009.6441**	**6,009.6441**	**1.9436**		**6,058.2351**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Apron Paving - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0530	0.0312	0.4951	1.6300e-003	0.2236	1.0300e-003	0.2246	0.0593	9.5000e-004	0.0602		172.6870	172.6870	3.3200e-003	3.7300e-003	173.8816
Total	**0.0530**	**0.0312**	**0.4951**	**1.6300e-003**	**0.2236**	**1.0300e-003**	**0.2246**	**0.0593**	**9.5000e-004**	**0.0602**		**172.6870**	**172.6870**	**3.3200e-003**	**3.7300e-003**	**173.8816**

3.5 Apron Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1128	20.8603	21.2357	0.0621		0.8337	0.8337		0.7670	0.7670		6,009.6441	6,009.6441	1.9436		6,058.2351
Paving	0.0338					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1466**	**20.8603**	**21.2357**	**0.0621**		**0.8337**	**0.8337**		**0.7670**	**0.7670**		**6,009.6441**	**6,009.6441**	**1.9436**		**6,058.2351**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Apron Paving - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0503	0.0288	0.4720	1.5900e-003	0.2236	9.6000e-004	0.2245	0.0593	8.9000e-004	0.0602		169.5334	169.5334	3.0600e-003	3.5700e-003	170.6722
Total	**0.0503**	**0.0288**	**0.4720**	**1.5900e-003**	**0.2236**	**9.6000e-004**	**0.2245**	**0.0593**	**8.9000e-004**	**0.0602**		**169.5334**	**169.5334**	**3.0600e-003**	**3.5700e-003**	**170.6722**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7661	3.3197	33.0169	0.0621		0.1021	0.1021		0.1021	0.1021	0.0000	6,009.6441	6,009.6441	1.9436		6,058.2351
Paving	0.0338					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7999**	**3.3197**	**33.0169**	**0.0621**		**0.1021**	**0.1021**		**0.1021**	**0.1021**	**0.0000**	**6,009.6441**	**6,009.6441**	**1.9436**		**6,058.2351**

3.5 Apron Paving - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0503	0.0288	0.4720	1.5900e-003	0.2236	9.6000e-004	0.2245	0.0593	8.9000e-004	0.0602		169.5334	169.5334	3.0600e-003	3.5700e-003	170.6722
Total	**0.0503**	**0.0288**	**0.4720**	**1.5900e-003**	**0.2236**	**9.6000e-004**	**0.2245**	**0.0593**	**8.9000e-004**	**0.0602**		**169.5334**	**169.5334**	**3.0600e-003**	**3.5700e-003**	**170.6722**

3.6 MHE Installation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7301	6.2697	9.8700	0.0140		0.2221	0.2221		0.2067	0.2067		1,322.7086	1,322.7086	0.4083		1,332.9160
Total	**0.7301**	**6.2697**	**9.8700**	**0.0140**		**0.2221**	**0.2221**		**0.2067**	**0.2067**		**1,322.7086**	**1,322.7086**	**0.4083**		**1,332.9160**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 MHE Installation - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0920	3.7542	1.3644	0.0166	0.6402	0.0203	0.6605	0.1843	0.0194	0.2038		1,799.2540	1,799.2540	0.0728	0.2628	1,879.3881
Worker	0.6034	0.3457	5.6644	0.0191	2.6826	0.0115	2.6942	0.7115	0.0106	0.7221		2,034.4013	2,034.4013	0.0367	0.0428	2,048.0666
Total	**0.6954**	**4.0999**	**7.0288**	**0.0357**	**3.3228**	**0.0319**	**3.3547**	**0.8958**	**0.0301**	**0.9258**		**3,833.6553**	**3,833.6553**	**0.1094**	**0.3056**	**3,927.4546**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1843	1.9732	9.4068	0.0140		0.0203	0.0203		0.0203	0.0203	0.0000	1,322.7086	1,322.7086	0.4083		1,332.9160
Total	**0.1843**	**1.9732**	**9.4068**	**0.0140**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**1,322.7086**	**1,322.7086**	**0.4083**		**1,332.9160**

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 MHE Installation - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0920	3.7542	1.3644	0.0166	0.6402	0.0203	0.6605	0.1843	0.0194	0.2038		1,799.2540	1,799.2540	0.0728	0.2628	1,879.3881
Worker	0.6034	0.3457	5.6644	0.0191	2.6826	0.0115	2.6942	0.7115	0.0106	0.7221		2,034.4013	2,034.4013	0.0367	0.0428	2,048.0666
Total	**0.6954**	**4.0999**	**7.0288**	**0.0357**	**3.3228**	**0.0319**	**3.3547**	**0.8958**	**0.0301**	**0.9258**		**3,833.6553**	**3,833.6553**	**0.1094**	**0.3056**	**3,927.4546**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401
Parking Lot	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401
Unrefrigerated Warehouse-No Rail	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Ontario International Airport South Airport Cargo Center Project - Phase 2 - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5987	1.2300e-003	0.1369	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2949	0.2949	7.6000e-004		0.3139
Unmitigated	6.5987	1.2300e-003	0.1369	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2949	0.2949	7.6000e-004		0.3139

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7631					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.8231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0125	1.2300e-003	0.1369	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2949	0.2949	7.6000e-004		0.3139
Total	**6.5987**	**1.2300e-003**	**0.1369**	**1.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**		**0.2949**	**0.2949**	**7.6000e-004**		**0.3139**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7631					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.8231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0125	1.2300e-003	0.1369	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2949	0.2949	7.6000e-004		0.3139
Total	**6.5987**	**1.2300e-003**	**0.1369**	**1.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**		**0.2949**	**0.2949**	**7.6000e-004**		**0.3139**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Asphalt/Concrete Recycling Plant (Phase 1)

Operating Assumptions

Hourly Process Rate (ton)	650	325	Hourly Process Rate (cubic yards)
Daily Process Rate (ton)	5,200	2,600	Daily Process Rate (cubic yards)
Annual Process Rate (ton)	119,600	59,800	Annual Process Rate (cubic yards)

Equipment	Process Rate (ton/hr)	Number of Transfers	Daily Operation (hours)	Uncontrolled Emission Factor (lb/ton)	Controlled Emission Factor (lb/ton)	PM10 Hourly (lb/hr)	PM10 Daily (lb/day)	PM10 Annual (ton/yr)	PM2.5 Hourly (lb/hr)	PM2.5 Daily (lb/day)	PM2.5 Annual (ton/yr)
Jaw Crusher	650	1	8	0.0024	0.00054	0.35	2.81	0.03	0.05	0.42	0.00
Cone Crusher	650	1	8	0.0024	0.00054	0.35	2.81	0.03	0.05	0.42	0.00
Primary Screening	650	1	8	0.0087	0.00074	0.48	3.85	0.04	0.07	0.58	0.01
Deck Conveyor	650	1	8	0.0011	0.000046	0.03	0.24	0.00	0.00	0.04	0.00
Secondary Crusher	650	1	8	0.0024	0.00054	0.35	2.81	0.03	0.05	0.42	0.00
Secondary Conveyor	650	1	8	0.0011	0.000046	0.03	0.24	0.00	0.00	0.04	0.00
Secondary Screen	650	1	8	0.072	0.0022	1.43	11.4	0.13	0.21	1.72	0.02
Total Asphalt/Concrete Recycling Plant Emissions						***3.02***	***24.2***	***0.28***	***0.45***	***3.63***	***0.04***

Asphalt/Concrete Recycling Plant (Phase 2)

Operating Assumptions

Hourly Process Rate (ton)	650	325	Hourly Process Rate (cubic yards)
Daily Process Rate (ton)	5,200	2,600	Daily Process Rate (cubic yards)
Annual Process Rate (ton)	41,600	20,800	Annual Process Rate (cubic yards)

Equipment	Process Rate (ton/hr)	Number of Transfers	Daily Operation (hours)	Uncontrolled Emission Factor (lb/ton)	Controlled Emission Factor (lb/ton)	PM10 Hourly (lb/hr)	PM10 Daily (lb/day)	PM10 Annual (ton/yr)	PM2.5 Hourly (lb/hr)	PM2.5 Daily (lb/day)	PM2.5 Annual (ton/yr)
Jaw Crusher	650	1	8	0.0024	0.00054	0.35	2.81	0.01	0.05	0.42	0.00
Cone Crusher	650	1	8	0.0024	0.00054	0.35	2.81	0.01	0.05	0.42	0.00
Primary Screening	650	1	8	0.0087	0.00074	0.48	3.85	0.02	0.07	0.58	0.00
Deck Conveyor	650	1	8	0.0011	0.000046	0.03	0.24	0.00	0.00	0.04	0.00
Secondary Crusher	650	1	8	0.0024	0.00054	0.35	2.81	0.01	0.05	0.42	0.00
Secondary Conveyor	650	1	8	0.0011	0.000046	0.03	0.24	0.00	0.00	0.04	0.00
Secondary Screen	650	1	8	0.072	0.0022	1.43	11.4	0.05	0.21	1.72	0.01
Total Asphalt/Concrete Recycling Plant Emissions						***3.02***	***24.2***	***0.10***	***0.45***	***3.63***	***0.01***

Attachment B

Operational Emissions Inventory

Aircraft/APU/GSE

Motor Vehicles

Trucks

Generators

AptLayout	Mode	Formaldeh	Methyl alc	Benzene IR	Acetaldehy	Naphthale	O-xylene IF	Isopropylb	Ethylbenze	Styrene IRI	1,3-butadi	Acrolein IR	Toluene IR	Phenol (ca	M & P-xyle	Propionald	Acetone IR	2-methyln	Benzaldeh	N-heptane IRIS (ST)
2021 Baseline	Taxi Out	8.31E+00	1.21E+00	1.13E+00	2.88E+00	3.65E-01	1.12E-01	2.02E-03	1.17E-01	2.09E-01	1.14E+00	1.65E+00	4.33E-01	4.89E-01	1.90E-01	4.91E-01	2.54E-01	1.39E-01	3.17E-01	4.32E-02
2021 Baseline	Climb Ground	8.39E+00	1.23E+00	1.14E+00	2.91E+00	3.68E-01	1.13E-01	2.04E-03	1.18E-01	2.11E-01	1.15E+00	1.67E+00	4.37E-01	4.93E-01	1.92E-01	4.95E-01	2.56E-01	1.40E-01	3.20E-01	4.36E-02
2021 Baseline	Climb Below 1000 ft AFE	8.42E+00	1.23E+00	1.15E+00	2.92E+00	3.70E-01	1.14E-01	2.05E-03	1.19E-01	2.12E-01	1.15E+00	1.67E+00	4.39E-01	4.95E-01	1.93E-01	4.98E-01	2.58E-01	1.40E-01	3.22E-01	4.38E-02
2021 Baseline	Climb Below Mixing Height	8.51E+00	1.24E+00	1.16E+00	2.95E+00	3.74E-01	1.15E-01	2.06E-03	1.20E-01	2.14E-01	1.17E+00	1.69E+00	4.43E-01	5.00E-01	1.95E-01	5.03E-01	2.62E-01	1.42E-01	3.25E-01	4.42E-02
2021 Baseline	Descend Below Mixing Height	3.99E+00	5.81E-01	5.45E-01	1.38E+00	1.75E-01	5.38E-02	9.66E-04	5.63E-02	1.00E-01	5.46E-01	7.93E-01	2.08E-01	2.34E-01	9.13E-02	2.36E-01	1.25E-01	6.63E-02	1.52E-01	2.07E-02
2021 Baseline	Descend Below 1000 ft AFE	3.75E+00	5.47E-01	5.12E-01	1.30E+00	1.65E-01	5.06E-02	9.09E-04	5.29E-02	9.42E-02	5.13E-01	7.45E-01	1.95E-01	2.20E-01	8.58E-02	2.22E-01	1.16E-01	6.24E-02	1.43E-01	1.95E-02
2021 Baseline	Descend Ground	3.69E+00	5.39E-01	5.03E-01	1.28E+00	1.62E-01	4.97E-02	8.95E-04	5.21E-02	9.26E-02	5.05E-01	7.33E-01	1.92E-01	2.17E-01	8.44E-02	2.18E-01	1.13E-01	6.15E-02	1.41E-01	1.92E-02
2021 Baseline	Taxi In	3.60E+00	5.26E-01	4.92E-01	1.25E+00	1.58E-01	4.86E-02	8.75E-04	5.09E-02	9.04E-02	4.93E-01	7.16E-01	1.88E-01	2.12E-01	8.25E-02	2.13E-01	1.10E-01	6.01E-02	1.38E-01	1.87E-02
2021 Baseline	APU	9.02E-02	1.32E-02	1.23E-02	3.13E-02	3.97E-03	1.22E-03	2.20E-05	1.28E-03	2.27E-03	1.24E-02	1.80E-02	4.71E-03	5.32E-03	2.07E-03	5.33E-03	2.71E-03	1.51E-03	3.45E-03	4.69E-04
		1.26E+01	1.83E+00	1.72E+00	4.36E+00	5.53E-01	1.70E-01	3.05E-03	1.78E-01	3.16E-01	1.73E+00	2.50E+00	6.56E-01	7.39E-01	2.88E-01	7.44E-01	3.90E-01	2.10E-01	4.80E-01	6.54E-02

Operation Group	Mode	Fuel (ST)	Distance (r	Duration	CO (ST)	THC (ST)	TOG (ST)	VOC (ST)	NMHC (ST)	NOx (ST)	nvPM Mas	nvPM Num	PMSO (ST)	PMFO (ST)	CO2 (ST)	H2O (ST)	SOx (ST)	PM 2.5 (ST	PM 10 (ST)
2021 Baseline	Startup	0	0	00:00.0	0.00E+00	1.68E+01	1.95E+01	1.94E+01	1.95E+01	0.00E+00	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2021 Baseline	Taxi Out	10948.14	0	57:54.0	3.61E+02	5.84E+01	6.75E+01	6.71E+01	6.74E+01	4.40E+01	2.56E+05	1.32E+22	4.73E-01	3.34E-01	3.45E+04	1.35E+04	1.28E+01	1.09E+00	1.09E+00
2021 Baseline	Climb Ground	17260.15	43109.59	28:25.7	3.65E+02	7.57E+01	8.75E+01	8.71E+01	8.75E+01	2.15E+02	5.94E+05	1.56E+22	7.46E-01	3.94E-01	5.45E+04	2.14E+04	2.02E+01	1.79E+00	1.79E+00
2021 Baseline	Climb Below 1000 ft AFE	20103.42	84781.93	45:33.8	3.70E+02	7.60E+01	8.79E+01	8.74E+01	8.78E+01	2.92E+02	7.46E+05	1.67E+22	8.68E-01	4.23E-01	6.34E+04	2.49E+04	2.35E+01	2.11E+00	2.11E+00
2021 Baseline	Climb Below Mixing Height	26368.26	217876.4	30:37.9	3.79E+02	7.66E+01	8.85E+01	8.80E+01	8.85E+01	4.55E+02	1.07E+06	1.92E+22	1.14E+00	4.79E-01	8.32E+04	3.26E+04	3.09E+01	2.80E+00	2.80E+00
2021 Baseline	Climb Below 10000 ft AFE	49135.95	1030401	54:59.2	4.23E+02	7.90E+01	9.12E+01	9.07E+01	9.12E+01	1.00E+03	2.13E+06	2.71E+22	1.97E+00	1.12E+00	1.55E+05	6.08E+04	5.75E+01	5.44E+00	5.44E+00
2021 Baseline	Above 10000 ft AFE	60.8349	3397.64	00:44.7	3.11E-02	4.73E-03	5.47E-03	5.44E-03	5.47E-03	1.54E+00	3.10E+03	2.86E+19	2.19E-03	1.83E-03	1.92E+02	7.53E+01	7.13E-02	7.43E-03	7.43E-03
2021 Baseline	Descend Below 10000 ft AFE	18178.88	1321269	48:43.9	2.86E+02	3.79E+01	4.37E+01	4.34E+01	4.37E+01	1.34E+02	3.93E+05	1.93E+22	7.66E-01	4.10E-01	5.74E+04	2.25E+04	2.13E+01	1.61E+00	1.61E+00
2021 Baseline	Descend Below Mixing Height	13898.85	493580.8	11:06.9	2.00E+02	2.80E+01	3.24E+01	3.22E+01	3.24E+01	1.08E+02	3.13E+05	1.53E+22	6.00E-01	3.07E-01	4.39E+04	1.72E+04	1.63E+01	1.25E+00	1.25E+00
2021 Baseline	Descend Below 1000 ft AFE	7749.431	147327.6	56:03.4	1.72E+02	2.64E+01	3.04E+01	3.03E+01	3.04E+01	4.85E+01	1.60E+05	8.12E+21	3.35E-01	1.90E-01	2.44E+04	9.59E+03	9.08E+00	7.01E-01	7.01E-01
2021 Baseline	Descend Ground	5730.483	32771.55	06:04.6	1.62E+02	2.59E+01	2.99E+01	2.98E+01	2.99E+01	2.79E+01	1.33E+05	6.76E+21	2.48E-01	1.63E-01	1.81E+04	7.09E+03	6.71E+00	5.57E-01	5.57E-01
2021 Baseline	Taxi In	4747.688	0	45:18.0	1.56E+02	2.53E+01	2.93E+01	2.91E+01	2.92E+01	1.91E+01	1.11E+05	5.73E+21	2.05E-01	1.45E-01	1.50E+04	5.87E+03	5.56E+00	4.72E-01	4.72E-01
2021 Baseline	Full Flight	67375.67	2355067	44:27.8	7.09E+02	1.17E+02	1.35E+02	1.34E+02	1.35E+02	1.14E+03	2.52E+06	4.64E+22	2.74E+00	1.53E+00	2.13E+05	8.33E+04	7.89E+01	7.05E+00	7.05E+00
2021 Existing	APU	0	0	40:00.0	9.54E+00	6.34E-01	7.33E-01	7.29E-01	7.33E-01	1.13E+01	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E+00	1.27E+00	1.27E+00
		4.03E+04			5.89E+02	1.05E+02	1.22E+02	1.21E+02	1.22E+02	5.74E+02					1.27E+05		4.86E+01	5.32E+00	5.32E+00

AptLayout	Mode	Formaldeh	Methyl alc	Benzene IR	Acetaldeh	Naphthale	O-xylene IF	Isopropylb	Ethylbenze	Styrene IRI	1,3-butadi	Acrolein IR	Toluene IR	Phenol (ca	M & P-xyle	Propionald	Acetone IR	2-methyln	Benzaldeh	N-heptane IRIS (ST)
2025 No Project	Taxi Out	9.64E+00	1.41E+00	1.32E+00	3.34E+00	4.23E-01	1.30E-01	2.34E-03	1.36E-01	2.42E-01	1.32E+00	1.92E+00	5.02E-01	5.67E-01	2.21E-01	5.70E-01	2.96E-01	1.61E-01	3.68E-01	5.01E-02
2025 No Project	Climb Ground	9.72E+00	1.42E+00	1.33E+00	3.37E+00	4.27E-01	1.31E-01	2.36E-03	1.37E-01	2.44E-01	1.33E+00	1.93E+00	5.06E-01	5.72E-01	2.23E-01	5.74E-01	2.99E-01	1.62E-01	3.71E-01	5.05E-02
2025 No Project	Climb Below 1000 ft AFE	9.76E+00	1.42E+00	1.33E+00	3.39E+00	4.29E-01	1.32E-01	2.37E-03	1.38E-01	2.45E-01	1.34E+00	1.94E+00	5.08E-01	5.74E-01	2.23E-01	5.77E-01	3.01E-01	1.63E-01	3.73E-01	5.07E-02
2025 No Project	Climb Below Mixing Height	9.85E+00	1.44E+00	1.34E+00	3.42E+00	4.32E-01	1.33E-01	2.39E-03	1.39E-01	2.47E-01	1.35E+00	1.96E+00	5.13E-01	5.78E-01	2.25E-01	5.82E-01	3.05E-01	1.64E-01	3.76E-01	5.11E-02
2025 No Project	Descend Below Mixing Height	4.18E+00	6.07E-01	5.70E-01	1.45E+00	1.83E-01	5.63E-02	1.01E-03	5.89E-02	1.05E-01	5.72E-01	8.30E-01	2.17E-01	2.45E-01	9.56E-02	2.47E-01	1.32E-01	6.93E-02	1.60E-01	2.17E-02
2025 No Project	Descend Below 1000 ft AFE	3.93E+00	5.73E-01	5.37E-01	1.36E+00	1.73E-01	5.30E-02	9.53E-04	5.55E-02	9.88E-02	5.39E-01	7.81E-01	2.05E-01	2.31E-01	9.00E-02	2.32E-01	1.23E-01	6.54E-02	1.50E-01	2.04E-02
2025 No Project	Descend Ground	3.87E+00	5.65E-01	5.29E-01	1.34E+00	1.70E-01	5.22E-02	9.39E-04	5.47E-02	9.72E-02	5.30E-01	7.69E-01	2.02E-01	2.28E-01	8.86E-02	2.29E-01	1.19E-01	6.45E-02	1.48E-01	2.01E-02
2025 No Project	Taxi In	3.78E+00	5.52E-01	5.16E-01	1.31E+00	1.66E-01	5.10E-02	9.18E-04	5.34E-02	9.49E-02	5.18E-01	7.51E-01	1.97E-01	2.22E-01	8.66E-02	2.23E-01	1.16E-01	6.30E-02	1.44E-01	1.96E-02
2025 No Project	APU	9.73E-02	1.43E-02	1.33E-02	3.38E-02	4.28E-03	1.31E-03	2.37E-05	1.38E-03	2.44E-03	1.33E-02	1.94E-02	5.08E-03	5.74E-03	2.23E-03	5.75E-03	2.92E-03	1.63E-03	3.72E-03	5.06E-04
		1.41E+01	2.06E+00	1.92E+00	4.90E+00	6.19E-01	1.91E-01	3.42E-03	1.99E-01	3.54E-01	1.94E+00	2.81E+00	7.35E-01	8.29E-01	3.23E-01	8.35E-01	4.40E-01	2.35E-01	5.40E-01	7.33E-02

AptLayout	Mode	Formaldeh	Methyl alc	Benzene IF	Acetaldehy	Naphthale	O-xylene II	Isopropylb	Ethylbenze	Styrene IRI	1,3-butadi	Acrolein IR	Toluene IR	Phenol (ca	M & P-xyle	Propionalc	Acetone IR	2-methyln	Benzaldeh	N-heptane IRIS (ST)
2025 Project	Taxi Out	1.02E+01	1.49E+00	1.40E+00	3.55E+00	4.49E-01	1.38E-01	2.48E-03	1.44E-01	2.57E-01	1.40E+00	2.03E+00	5.33E-01	6.02E-01	2.34E-01	6.05E-01	3.14E-01	1.71E-01	3.91E-01	5.32E-02
2025 Project	Climb Ground	1.03E+01	1.51E+00	1.41E+00	3.58E+00	4.53E-01	1.39E-01	2.50E-03	1.46E-01	2.59E-01	1.41E+00	2.05E+00	5.37E-01	6.06E-01	2.36E-01	6.09E-01	3.17E-01	1.72E-01	3.94E-01	5.36E-02
2025 Project	Climb Below 1000 ft AFE	1.04E+01	1.51E+00	1.41E+00	3.59E+00	4.55E-01	1.40E-01	2.51E-03	1.46E-01	2.60E-01	1.42E+00	2.06E+00	5.39E-01	6.08E-01	2.37E-01	6.12E-01	3.19E-01	1.72E-01	3.95E-01	5.38E-02
2025 Project	Climb Below Mixing Height	1.04E+01	1.52E+00	1.42E+00	3.62E+00	4.58E-01	1.41E-01	2.53E-03	1.47E-01	2.62E-01	1.43E+00	2.07E+00	5.43E-01	6.13E-01	2.39E-01	6.17E-01	3.23E-01	1.74E-01	3.99E-01	5.42E-02
2025 Project	Descend Below Mixing Height	4.25E+00	6.18E-01	5.80E-01	1.47E+00	1.87E-01	5.73E-02	1.03E-03	5.99E-02	1.07E-01	5.82E-01	8.44E-01	2.21E-01	2.49E-01	9.72E-02	2.51E-01	1.34E-01	7.05E-02	1.62E-01	2.21E-02
2025 Project	Descend Below 1000 ft AFE	4.01E+00	5.83E-01	5.47E-01	1.39E+00	1.76E-01	5.40E-02	9.70E-04	5.65E-02	1.01E-01	5.48E-01	7.95E-01	2.08E-01	2.35E-01	9.16E-02	2.37E-01	1.25E-01	6.66E-02	1.53E-01	2.08E-02
2025 Project	Descend Ground	3.94E+00	5.76E-01	5.38E-01	1.37E+00	1.73E-01	5.32E-02	9.57E-04	5.57E-02	9.90E-02	5.40E-01	7.83E-01	2.05E-01	2.32E-01	9.02E-02	2.33E-01	1.21E-01	6.57E-02	1.51E-01	2.05E-02
2025 Project	Taxi In	3.85E+00	5.63E-01	5.26E-01	1.34E+00	1.69E-01	5.19E-02	9.35E-04	5.44E-02	9.67E-02	5.28E-01	7.66E-01	2.01E-01	2.27E-01	8.82E-02	2.28E-01	1.18E-01	6.42E-02	1.47E-01	2.00E-02
2025 Project	APU	9.73E-02	1.43E-02	1.33E-02	3.38E-02	4.28E-03	1.31E-03	2.37E-05	1.38E-03	2.44E-03	1.33E-02	1.94E-02	5.08E-03	5.74E-03	2.23E-03	5.75E-03	2.92E-03	1.63E-03	3.72E-03	5.06E-04
		1.47E+01	2.15E+00	2.01E+00	5.12E+00	6.49E-01	2.00E-01	3.58E-03	2.08E-01	3.71E-01	2.03E+00	2.93E+00	7.69E-01	8.68E-01	3.38E-01	8.74E-01	4.60E-01	2.46E-01	5.65E-01	7.68E-02

Operation Group	Mode	Fuel (ST)	Distance (r	Duration	CO (ST)	THC (ST)	TOG (ST)	VOC (ST)	NMHC (ST)	NOx (ST)	nvPM Mas	nvPM Num	PMSO (ST)	PMFO (ST)	CO2 (ST)	H2O (ST)	SOx (ST)	PM 2.5 (ST	PM 10 (ST)
2025 Project	Startup	0	0	00:00.0	0.00E+00	1.84E+01	2.12E+01	2.11E+01	2.12E+01	0.00E+00	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2025 Project	Taxi Out	13875.25	0	40:26.0	4.55E+02	7.19E+01	8.31E+01	8.26E+01	8.31E+01	5.60E+01	3.04E+05	1.61E+22	5.99E-01	4.12E-01	4.38E+04	1.72E+04	1.63E+01	1.35E+00	1.35E+00
2025 Project	Climb Ground	20778.69	47224.68	13:53.2	4.60E+02	9.08E+01	1.05E+02	1.04E+02	1.05E+02	2.64E+02	6.23E+05	1.84E+22	8.98E-01	4.72E-01	6.56E+04	2.57E+04	2.43E+01	2.06E+00	2.06E+00
2025 Project	Climb Below 1000 ft AFE	23860.07	94410.61	34:41.1	4.66E+02	9.11E+01	1.05E+02	1.05E+02	1.05E+02	3.57E+02	7.65E+05	1.94E+22	1.03E+00	5.03E-01	7.53E+04	2.95E+04	2.79E+01	2.38E+00	2.38E+00
2025 Project	Climb Below Mixing Height	30741.85	249053.5	29:12.8	4.76E+02	9.17E+01	1.06E+02	1.05E+02	1.06E+02	5.45E+02	1.07E+06	2.17E+22	1.33E+00	5.60E-01	9.70E+04	3.80E+04	3.60E+01	3.06E+00	3.06E+00
2025 Project	Climb Below 10000 ft AFE	55176	1159545	30:23.4	5.29E+02	9.42E+01	1.09E+02	1.08E+02	1.09E+02	1.16E+03	2.02E+06	2.90E+22	2.22E+00	1.25E+00	1.74E+05	6.83E+04	6.46E+01	5.70E+00	5.70E+00
2025 Project	Above 10000 ft AFE	57.8432	7444.93	01:52.4	3.09E-01	5.96E-03	6.40E-03	5.98E-03	6.10E-03	1.27E+00	2.59E+03	2.42E+19	2.08E-03	1.74E-03	1.83E+02	7.16E+01	6.78E-02	6.67E-03	6.67E-03
2025 Project	Descend Below 10000 ft AFE	19437.85	1489715	45:47.1	3.20E+02	4.12E+01	4.76E+01	4.73E+01	4.75E+01	1.44E+02	3.73E+05	1.93E+22	8.21E-01	4.08E-01	6.13E+04	2.40E+04	2.28E+01	1.64E+00	1.64E+00
2025 Project	Descend Below Mixing Height	15058.4	547616.4	31:34.5	2.19E+02	2.99E+01	3.45E+01	3.43E+01	3.45E+01	1.18E+02	2.99E+05	1.54E+22	6.51E-01	3.08E-01	4.75E+04	1.86E+04	1.76E+01	1.29E+00	1.29E+00
2025 Project	Descend Below 1000 ft AFE	8152.399	153194.4	57:13.9	1.89E+02	2.81E+01	3.25E+01	3.23E+01	3.25E+01	4.97E+01	1.60E+05	8.39E+21	3.52E-01	1.97E-01	2.57E+04	1.01E+04	9.55E+00	7.26E-01	7.26E-01
2025 Project	Descend Ground	6272.122	36621.59	54:03.9	1.78E+02	2.77E+01	3.20E+01	3.18E+01	3.20E+01	3.09E+01	1.34E+05	7.05E+21	2.71E-01	1.71E-01	1.98E+04	7.76E+03	7.35E+00	5.90E-01	5.90E-01
2025 Project	Taxi In	5223.246	0	31:26.0	1.71E+02	2.71E+01	3.13E+01	3.11E+01	3.13E+01	2.11E+01	1.14E+05	6.05E+21	2.26E-01	1.55E-01	1.65E+04	6.46E+03	6.12E+00	5.07E-01	5.07E-01
2025 Project	Full Flight	74671.69	2656705	18:02.9	8.49E+02	1.35E+02	1.56E+02	1.55E+02	1.56E+02	1.31E+03	2.40E+06	4.83E+22	3.04E+00	1.66E+00	2.36E+05	9.24E+04	8.75E+01	7.34E+00	7.34E+00
2025 Project	APU	0	0	55:30.0	1.06E+01	6.84E-01	7.91E-01	7.86E-01	7.91E-01	1.30E+01	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E+00	1.42E+00	1.42E+00
		4.58E+04			7.06E+02	1.22E+02	1.41E+02	1.40E+02	1.41E+02	6.76E+02					1.45E+05		5.52E+01	5.77E+00	5.77E+00

Operation Group	Mode	Fuel (ST)	Distance (r	Duration	CO (ST)	THC (ST)	TOG (ST)	VOC (ST)	NMHC (ST)	NOx (ST)	nvPM Mas	nvPM Num	PMSO (ST)	PMFO (ST)	CO2 (ST)	H2O (ST)	SOx (ST)	PM 2.5 (ST	PM 10 (ST)
2025 No Project	Startup	0	0	00:00.0	0.00E+00	1.84E+01	2.12E+01	2.11E+01	2.12E+01	0.00E+00	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2025 No Project	Taxi Out	13074.14	0	49:36.0	4.29E+02	6.78E+01	7.83E+01	7.78E+01	7.83E+01	5.27E+01	2.86E+05	1.51E+22	5.65E-01	3.88E-01	4.12E+04	1.62E+04	1.53E+01	1.27E+00	1.27E+00
2025 No Project	Climb Ground	19977.57	47224.68	23:03.2	4.34E+02	8.67E+01	1.00E+02	9.96E+01	1.00E+02	2.61E+02	6.05E+05	1.74E+22	8.63E-01	4.48E-01	6.30E+04	2.47E+04	2.34E+01	1.98E+00	1.98E+00
2025 No Project	Climb Below 1000 ft AFE	23058.96	94410.61	43:51.1	4.39E+02	8.70E+01	1.00E+02	9.99E+01	1.00E+02	3.54E+02	7.48E+05	1.85E+22	9.96E-01	4.79E-01	7.28E+04	2.85E+04	2.70E+01	2.30E+00	2.30E+00
2025 No Project	Climb Below Mixing Height	29940.74	249053.5	38:22.8	4.50E+02	8.76E+01	1.01E+02	1.01E+02	1.01E+02	5.42E+02	1.05E+06	2.07E+22	1.29E+00	5.37E-01	9.45E+04	3.70E+04	3.51E+01	2.99E+00	2.99E+00
2025 No Project	Climb Below 10000 ft AFE	54374.88	1159545	39:33.4	5.03E+02	9.00E+01	1.04E+02	1.03E+02	1.04E+02	1.16E+03	2.00E+06	2.80E+22	2.19E+00	1.22E+00	1.72E+05	6.73E+04	6.37E+01	5.62E+00	5.62E+00
2025 No Project	Above 10000 ft AFE	57.8432	7444.93	01:52.4	3.09E-01	5.96E-03	6.40E-03	5.98E-03	6.10E-03	1.27E+00	2.59E+03	2.42E+19	2.08E-03	1.74E-03	1.83E+02	7.16E+01	6.78E-02	6.67E-03	6.67E-03
2025 No Project	Descend Below 10000 ft AFE	19341.72	1489715	39:41.1	3.17E+02	4.07E+01	4.70E+01	4.67E+01	4.69E+01	1.44E+02	3.71E+05	1.92E+22	8.17E-01	4.05E-01	6.10E+04	2.39E+04	2.27E+01	1.63E+00	1.63E+00
2025 No Project	Descend Below Mixing Height	14962.27	547616.4	25:28.5	2.16E+02	2.94E+01	3.39E+01	3.37E+01	3.39E+01	1.17E+02	2.97E+05	1.53E+22	6.46E-01	3.05E-01	4.72E+04	1.85E+04	1.75E+01	1.28E+00	1.28E+00
2025 No Project	Descend Below 1000 ft AFE	8056.266	153194.4	51:07.9	1.86E+02	2.76E+01	3.19E+01	3.17E+01	3.19E+01	4.93E+01	1.58E+05	8.28E+21	3.48E-01	1.94E-01	2.54E+04	9.97E+03	9.44E+00	7.16E-01	7.16E-01
2025 No Project	Descend Ground	6175.989	36621.59	47:57.9	1.74E+02	2.72E+01	3.14E+01	3.13E+01	3.14E+01	3.05E+01	1.32E+05	6.93E+21	2.67E-01	1.69E-01	1.95E+04	7.64E+03	7.23E+00	5.80E-01	5.80E-01
2025 No Project	Taxi In	5127.113	0	25:20.0	1.68E+02	2.66E+01	3.07E+01	3.05E+01	3.07E+01	2.07E+01	1.12E+05	5.94E+21	2.21E-01	1.52E-01	1.62E+04	6.34E+03	6.00E+00	4.97E-01	4.97E-01
2025 No Project	Full Flight	73774.45	2656705	21:06.9	8.20E+02	1.31E+02	1.51E+02	1.50E+02	1.51E+02	1.31E+03	2.38E+06	4.72E+22	3.01E+00	1.63E+00	2.33E+05	9.13E+04	8.64E+01	7.26E+00	7.26E+00
2025 No Project	APU	0	0	55:30.0	1.06E+01	6.84E-01	7.91E-01	7.86E-01	7.91E-01	1.30E+01	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E+00	1.42E+00	1.42E+00
		4.49E+04			6.77E+02	1.18E+02	1.36E+02	1.35E+02	1.36E+02	6.72E+02					1.42E+05		5.42E+01	5.69E+00	5.69E+00

AptLayout	Mode	Formaldeh	Methyl alc	Benzene IF	Acetaldeh	Naphthale	O-xylene II	Isopropylb	Ethylbenze	Styrene IR	1,3-butadi	Acrolein IR	Toluene IR	Phenol (ca	M & P-xyle	Propionalc	Acetone IF	2-methyln	Benzaldeh	N-heptane IRIS (ST)
2029 No Project	Taxi Out	1.00E+01	1.46E+00	1.37E+00	3.48E+00	4.40E-01	1.35E-01	2.43E-03	1.42E-01	2.52E-01	1.37E+00	1.99E+00	5.22E-01	5.89E-01	2.29E-01	5.92E-01	3.08E-01	1.67E-01	3.83E-01	5.21E-02
2029 No Project	Climb Ground	1.01E+01	1.48E+00	1.38E+00	3.51E+00	4.44E-01	1.36E-01	2.45E-03	1.43E-01	2.54E-01	1.38E+00	2.01E+00	5.26E-01	5.94E-01	2.31E-01	5.97E-01	3.11E-01	1.68E-01	3.86E-01	5.25E-02
2029 No Project	Climb Below 1000 ft AFE	1.01E+01	1.48E+00	1.39E+00	3.52E+00	4.46E-01	1.37E-01	2.46E-03	1.43E-01	2.55E-01	1.39E+00	2.02E+00	5.28E-01	5.96E-01	2.32E-01	6.00E-01	3.13E-01	1.69E-01	3.87E-01	5.27E-02
2029 No Project	Climb Below Mixing Height	1.02E+01	1.49E+00	1.40E+00	3.55E+00	4.50E-01	1.38E-01	2.48E-03	1.45E-01	2.57E-01	1.40E+00	2.03E+00	5.33E-01	6.02E-01	2.34E-01	6.05E-01	3.17E-01	1.70E-01	3.91E-01	5.32E-02
2029 No Project	Descend Below Mixing Height	4.33E+00	6.29E-01	5.91E-01	1.50E+00	1.90E-01	5.84E-02	1.05E-03	6.11E-02	1.09E-01	5.93E-01	8.60E-01	2.25E-01	2.54E-01	9.90E-02	2.56E-01	1.37E-01	7.18E-02	1.65E-01	2.25E-02
2029 No Project	Descend Below 1000 ft AFE	4.09E+00	5.95E-01	5.58E-01	1.42E+00	1.79E-01	5.51E-02	9.89E-04	5.76E-02	1.03E-01	5.59E-01	8.11E-01	2.13E-01	2.40E-01	9.35E-02	2.41E-01	1.27E-01	6.79E-02	1.56E-01	2.12E-02
2029 No Project	Descend Ground	4.02E+00	5.87E-01	5.49E-01	1.40E+00	1.77E-01	5.42E-02	9.76E-04	5.68E-02	1.01E-01	5.51E-01	8.00E-01	2.10E-01	2.37E-01	9.21E-02	2.38E-01	1.24E-01	6.70E-02	1.54E-01	2.09E-02
2029 No Project	Taxi In	3.93E+00	5.74E-01	5.36E-01	1.36E+00	1.73E-01	5.30E-02	9.53E-04	5.55E-02	9.86E-02	5.38E-01	7.81E-01	2.05E-01	2.31E-01	8.99E-02	2.32E-01	1.21E-01	6.55E-02	1.50E-01	2.04E-02
2029 No Project	APU	1.04E-01	1.52E-02	1.41E-02	3.60E-02	4.55E-03	1.40E-03	2.53E-05	1.46E-03	2.60E-03	1.42E-02	2.06E-02	5.40E-03	6.11E-03	2.37E-03	6.12E-03	3.11E-03	1.73E-03	3.96E-03	5.39E-04
		1.46E+01	2.13E+00	2.01E+00	5.09E+00	6.45E-01	1.98E-01	3.56E-03	2.08E-01	3.69E-01	2.01E+00	2.91E+00	7.63E-01	8.62E-01	3.35E-01	8.67E-01	4.57E-01	2.44E-01	5.60E-01	7.62E-02

AptLayout	Mode	Formaldeh	Methyl alc	Benzene IF	Acetaldehy	Naphthale	O-xylene II	Isopropylb	Ethylbenze	Styrene IRI	1,3-butadi	Acrolein IR	Toluene IR	Phenol (ca	M & P-xyle	Propionalc	Acetone IR	2-methyln	Benzaldeh	N-heptane IRIS (ST)
2029 Project	Taxi Out	1.06E+01	1.54E+00	1.44E+00	3.66E+00	4.64E-01	1.42E-01	2.56E-03	1.49E-01	2.65E-01	1.45E+00	2.10E+00	5.50E-01	6.21E-01	2.42E-01	6.24E-01	3.25E-01	1.76E-01	4.03E-01	5.49E-02
2029 Project	Climb Ground	1.06E+01	1.55E+00	1.45E+00	3.69E+00	4.67E-01	1.44E-01	2.58E-03	1.50E-01	2.67E-01	1.46E+00	2.12E+00	5.54E-01	6.26E-01	2.44E-01	6.29E-01	3.27E-01	1.77E-01	4.06E-01	5.53E-02
2029 Project	Climb Below 1000 ft AFE	1.07E+01	1.56E+00	1.46E+00	3.71E+00	4.69E-01	1.44E-01	2.59E-03	1.51E-01	2.68E-01	1.46E+00	2.12E+00	5.56E-01	6.28E-01	2.45E-01	6.31E-01	3.30E-01	1.78E-01	4.08E-01	5.55E-02
2029 Project	Climb Below Mixing Height	1.08E+01	1.57E+00	1.47E+00	3.74E+00	4.73E-01	1.45E-01	2.61E-03	1.52E-01	2.71E-01	1.48E+00	2.14E+00	5.61E-01	6.33E-01	2.47E-01	6.37E-01	3.34E-01	1.79E-01	4.12E-01	5.60E-02
2029 Project	Descend Below Mixing Height	4.39E+00	6.38E-01	5.99E-01	1.52E+00	1.93E-01	5.92E-02	1.06E-03	6.19E-02	1.10E-01	6.01E-01	8.72E-01	2.28E-01	2.57E-01	1.00E-01	2.60E-01	1.39E-01	7.28E-02	1.68E-01	2.28E-02
2029 Project	Descend Below 1000 ft AFE	4.15E+00	6.04E-01	5.66E-01	1.44E+00	1.82E-01	5.59E-02	1.00E-03	5.85E-02	1.04E-01	5.68E-01	8.23E-01	2.16E-01	2.43E-01	9.49E-02	2.45E-01	1.29E-01	6.89E-02	1.58E-01	2.15E-02
2029 Project	Descend Ground	4.08E+00	5.96E-01	5.58E-01	1.42E+00	1.79E-01	5.51E-02	9.91E-04	5.77E-02	1.03E-01	5.59E-01	8.12E-01	2.13E-01	2.40E-01	9.35E-02	2.41E-01	1.26E-01	6.81E-02	1.56E-01	2.12E-02
2029 Project	Taxi In	3.99E+00	5.82E-01	5.45E-01	1.38E+00	1.75E-01	5.38E-02	9.68E-04	5.63E-02	1.00E-01	5.46E-01	7.93E-01	2.08E-01	2.35E-01	9.13E-02	2.36E-01	1.23E-01	6.65E-02	1.52E-01	2.07E-02
2029 Project	APU	1.04E-01	1.52E-02	1.41E-02	3.60E-02	4.55E-03	1.40E-03	2.53E-05	1.46E-03	2.60E-03	1.42E-02	2.06E-02	5.40E-03	6.11E-03	2.37E-03	6.12E-03	3.11E-03	1.73E-03	3.96E-03	5.39E-04
		1.53E+01	2.22E+00	2.08E+00	5.30E+00	6.71E-01	2.06E-01	3.70E-03	2.15E-01	3.84E-01	2.10E+00	3.03E+00	7.94E-01	8.96E-01	3.49E-01	9.03E-01	4.76E-01	2.54E-01	5.84E-01	7.93E-02

Operation Group	Mode	Fuel (ST)	Distance (r	Duration	CO (ST)	THC (ST)	TOG (ST)	VOC (ST)	NMHC (ST)	NOx (ST)	nvPM Mas	nvPM Num	PMSO (ST)	PMFO (ST)	CO2 (ST)	H2O (ST)	SOx (ST)	PM 2.5 (ST	PM 10 (ST)
2029 Project	Startup	0	0	00:00.0	0.00E+00	2.04E+01	2.35E+01	2.34E+01	2.35E+01	0.00E+00	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2029 Project	Taxi Out	15170.44	0	49:18.0	4.79E+02	7.42E+01	8.57E+01	8.53E+01	8.57E+01	6.14E+01	3.23E+05	1.76E+22	6.55E-01	4.25E-01	4.79E+04	1.88E+04	1.78E+01	1.44E+00	1.44E+00
2029 Project	Climb Ground	22844.45	51629.45	26:18.8	4.85E+02	9.52E+01	1.10E+02	1.09E+02	1.10E+02	3.07E+02	6.42E+05	1.99E+22	9.87E-01	4.90E-01	7.21E+04	2.83E+04	2.68E+01	2.18E+00	2.18E+00
2029 Project	Climb Below 1000 ft AFE	26157.51	99967.02	47:38.2	4.90E+02	9.55E+01	1.10E+02	1.10E+02	1.10E+02	4.12E+02	7.83E+05	2.10E+22	1.13E+00	5.22E-01	8.25E+04	3.24E+04	3.06E+01	2.51E+00	2.51E+00
2029 Project	Climb Below Mixing Height	34000.04	274965.9	45:47.1	5.02E+02	9.61E+01	1.11E+02	1.10E+02	1.11E+02	6.41E+02	1.08E+06	2.32E+22	1.47E+00	5.85E-01	1.07E+05	4.21E+04	3.98E+01	3.24E+00	3.24E+00
2029 Project	Climb Below 10000 ft AFE	61086.81	1280388	57:03.0	5.58E+02	9.87E+01	1.14E+02	1.13E+02	1.14E+02	1.37E+03	2.03E+06	3.08E+22	2.46E+00	1.35E+00	1.93E+05	7.56E+04	7.15E+01	6.05E+00	6.05E+00
2029 Project	Above 10000 ft AFE	53.41844	7425.85	01:38.5	3.92E-01	6.05E-03	6.35E-03	5.81E-03	5.96E-03	1.14E+00	2.31E+03	2.35E+19	1.92E-03	1.60E-03	1.69E+02	6.61E+01	6.26E-02	6.08E-03	6.08E-03
2029 Project	Descend Below 10000 ft AFE	21071.53	1645449	38:54.0	3.41E+02	4.30E+01	4.96E+01	4.93E+01	4.96E+01	1.57E+02	4.06E+05	2.15E+22	8.91E-01	4.01E-01	6.65E+04	2.61E+04	2.47E+01	1.74E+00	1.74E+00
2029 Project	Descend Below Mixing Height	16424.7	593145.7	12:50.7	2.32E+02	3.09E+01	3.56E+01	3.54E+01	3.56E+01	1.30E+02	3.25E+05	1.73E+22	7.10E-01	3.01E-01	5.18E+04	2.03E+04	1.92E+01	1.37E+00	1.37E+00
2029 Project	Descend Below 1000 ft AFE	8594.889	143532.2	22:12.3	1.99E+02	2.91E+01	3.37E+01	3.35E+01	3.36E+01	5.16E+01	1.70E+05	9.16E+21	3.71E-01	1.99E-01	2.71E+04	1.06E+04	1.01E+01	7.57E-01	7.57E-01
2029 Project	Descend Ground	6908.95	40898.95	23:46.2	1.88E+02	2.87E+01	3.32E+01	3.30E+01	3.32E+01	3.48E+01	1.44E+05	7.80E+21	2.98E-01	1.75E-01	2.18E+04	8.55E+03	8.09E+00	6.32E-01	6.32E-01
2029 Project	Taxi In	5730.666	0	58:36.0	1.81E+02	2.80E+01	3.24E+01	3.22E+01	3.24E+01	2.32E+01	1.22E+05	6.65E+21	2.48E-01	1.60E-01	1.81E+04	7.09E+03	6.71E+00	5.43E-01	5.43E-01
2029 Project	Full Flight	82211.77	2933263	37:35.6	8.99E+02	1.42E+02	1.64E+02	1.63E+02	1.63E+02	1.52E+03	2.44E+06	5.23E+22	3.35E+00	1.75E+00	2.59E+05	1.02E+05	9.63E+01	7.79E+00	7.79E+00
2029 Project	APU	0	0	47:00.0	1.12E+01	7.28E-01	8.42E-01	8.37E-01	8.42E-01	1.42E+01	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E+00	1.54E+00	1.54E+00
		5.04E+04			7.45E+02	1.28E+02	1.47E+02	1.46E+02	1.47E+02	7.85E+02					1.59E+05		6.07E+01	6.15E+00	6.15E+00

Operation Group	Mode	Fuel (ST)	Distance (r	Duration	CO (ST)	THC (ST)	TOG (ST)	VOC (ST)	NMHC (ST)	NOx (ST)	nvPM Mas	nvPM Num	PMSO (ST)	PMFO (ST)	CO2 (ST)	H2O (ST)	SOx (ST)	PM 2.5 (ST	PM 10 (ST)
2029 No Project	Startup	0	0	00:00.0	0.00E+00	2.04E+01	2.35E+01	2.34E+01	2.35E+01	0.00E+00	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2029 No Project	Taxi Out	14396.98	0	00:54.0	4.55E+02	7.04E+01	8.14E+01	8.09E+01	8.13E+01	5.83E+01	3.07E+05	1.67E+22	6.22E-01	4.03E-01	4.54E+04	1.78E+04	1.69E+01	1.36E+00	1.36E+00
2029 No Project	Climb Ground	22070.99	51629.45	37:54.8	4.60E+02	9.14E+01	1.06E+02	1.05E+02	1.06E+02	3.04E+02	6.26E+05	1.90E+22	9.53E-01	4.68E-01	6.96E+04	2.73E+04	2.59E+01	2.11E+00	2.11E+00
2029 No Project	Climb Below 1000 ft AFE	25384.04	99967.02	59:14.2	4.66E+02	9.17E+01	1.06E+02	1.05E+02	1.06E+02	4.09E+02	7.67E+05	2.01E+22	1.10E+00	5.00E-01	8.01E+04	3.14E+04	2.97E+01	2.44E+00	2.44E+00
2029 No Project	Climb Below Mixing Height	33226.57	274965.9	57:23.1	4.77E+02	9.23E+01	1.07E+02	1.06E+02	1.07E+02	6.38E+02	1.06E+06	2.23E+22	1.44E+00	5.63E-01	1.05E+05	4.11E+04	3.89E+01	3.17E+00	3.17E+00
2029 No Project	Climb Below 10000 ft AFE	60313.35	1280388	08:39.0	5.33E+02	9.49E+01	1.10E+02	1.09E+02	1.10E+02	1.36E+03	2.02E+06	2.99E+22	2.43E+00	1.32E+00	1.90E+05	7.46E+04	7.06E+01	5.98E+00	5.98E+00
2029 No Project	Above 10000 ft AFE	53.41844	7425.85	01:38.5	3.92E-01	6.05E-03	6.35E-03	5.81E-03	5.96E-03	1.14E+00	2.31E+03	2.35E+19	1.92E-03	1.60E-03	1.69E+02	6.61E+01	6.26E-02	6.08E-03	6.08E-03
2029 No Project	Descend Below 10000 ft AFE	20983.64	1645449	33:24.0	3.38E+02	4.26E+01	4.91E+01	4.88E+01	4.91E+01	1.57E+02	4.05E+05	2.14E+22	8.88E-01	3.99E-01	6.62E+04	2.60E+04	2.46E+01	1.73E+00	1.73E+00
2029 No Project	Descend Below Mixing Height	16336.81	593145.7	07:20.7	2.29E+02	3.04E+01	3.51E+01	3.49E+01	3.51E+01	1.30E+02	3.24E+05	1.72E+22	7.06E-01	2.98E-01	5.15E+04	2.02E+04	1.91E+01	1.36E+00	1.36E+00
2029 No Project	Descend Below 1000 ft AFE	8506.996	143532.2	16:42.3	1.97E+02	2.87E+01	3.32E+01	3.30E+01	3.31E+01	5.12E+01	1.68E+05	9.06E+21	3.68E-01	1.96E-01	2.68E+04	1.05E+04	9.96E+00	7.49E-01	7.49E-01
2029 No Project	Descend Ground	6821.056	40898.95	18:16.2	1.85E+02	2.83E+01	3.27E+01	3.25E+01	3.27E+01	3.45E+01	1.42E+05	7.70E+21	2.95E-01	1.73E-01	2.15E+04	8.44E+03	7.99E+00	6.24E-01	6.24E-01
2029 No Project	Taxi In	5642.772	0	53:06.0	1.78E+02	2.76E+01	3.19E+01	3.17E+01	3.19E+01	2.29E+01	1.20E+05	6.55E+21	2.44E-01	1.58E-01	1.78E+04	6.98E+03	6.61E+00	5.34E-01	5.34E-01
2029 No Project	Full Flight	81350.41	2933263	43:41.6	8.72E+02	1.38E+02	1.59E+02	1.58E+02	1.59E+02	1.52E+03	2.43E+06	5.13E+22	3.32E+00	1.72E+00	2.57E+05	1.01E+05	9.53E+01	7.71E+00	7.71E+00
2029 No Project	APU	0	0	47:00.0	1.12E+01	7.28E-01	8.42E-01	8.37E-01	8.42E-01	1.42E+01	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E+00	1.54E+00	1.54E+00
		4.96E+04			7.17E+02	1.23E+02	1.43E+02	1.42E+02	1.43E+02	7.82E+02					1.57E+05		5.97E+01	6.07E+00	6.07E+00

AptLayout	Mode	Formaldeh	Methyl alc	Benzene IR	Acetaldeh	Naphthale	O-xylene IF	Isopropylb	Ethylbenze	Styrene IRI	1,3-butadi	Acrolein IR	Toluene IR	Phenol (ca	M & P-xyle	Propionald	Acetone IR	2-methyln	Benzaldeh	N-heptane IRIS (ST)
2025 Project	Taxi Out	1.76E+00	2.58E-01	2.40E-01	6.11E-01	7.74E-02	2.37E-02	4.29E-04	2.49E-02	4.42E-02	2.41E-01	3.50E-01	9.18E-02	1.04E-01	4.03E-02	1.04E-01	5.28E-02	2.95E-02	6.72E-02	9.16E-03
2025 Project	Climb Ground	1.78E+00	2.60E-01	2.42E-01	6.16E-01	7.80E-02	2.39E-02	4.33E-04	2.51E-02	4.46E-02	2.43E-01	3.53E-01	9.26E-02	1.05E-01	4.07E-02	1.05E-01	5.32E-02	2.97E-02	6.78E-02	9.23E-03
2025 Project	Climb Below 1000 ft AFE	1.78E+00	2.61E-01	2.43E-01	6.18E-01	7.83E-02	2.40E-02	4.34E-04	2.52E-02	4.47E-02	2.44E-01	3.55E-01	9.29E-02	1.05E-01	4.08E-02	1.05E-01	5.34E-02	2.98E-02	6.80E-02	9.26E-03
2025 Project	Climb Below Mixing Height	1.80E+00	2.64E-01	2.45E-01	6.24E-01	7.90E-02	2.42E-02	4.38E-04	2.54E-02	4.51E-02	2.46E-01	3.58E-01	9.37E-02	1.06E-01	4.12E-02	1.06E-01	5.39E-02	3.01E-02	6.86E-02	9.35E-03
2025 Project	Descend Below Mixing Height	7.26E-01	1.06E-01	9.91E-02	2.52E-01	3.19E-02	9.78E-03	1.77E-04	1.03E-02	1.82E-02	9.94E-02	1.44E-01	3.78E-02	4.28E-02	1.66E-02	4.29E-02	2.17E-02	1.21E-02	2.77E-02	3.77E-03
2025 Project	Descend Below 1000 ft AFE	6.97E-01	1.02E-01	9.51E-02	2.42E-01	3.06E-02	9.40E-03	1.70E-04	9.85E-03	1.75E-02	9.55E-02	1.39E-01	3.63E-02	4.11E-02	1.60E-02	4.11E-02	2.09E-02	1.17E-02	2.66E-02	3.62E-03
2025 Project	Descend Ground	6.85E-01	1.00E-01	9.35E-02	2.38E-01	3.01E-02	9.23E-03	1.67E-04	9.68E-03	1.72E-02	9.38E-02	1.36E-01	3.57E-02	4.04E-02	1.57E-02	4.04E-02	2.05E-02	1.15E-02	2.61E-02	3.56E-03
2025 Project	Taxi In	6.63E-01	9.72E-02	9.05E-02	2.30E-01	2.91E-02	8.94E-03	1.62E-04	9.37E-03	1.66E-02	9.08E-02	1.32E-01	3.46E-02	3.91E-02	1.52E-02	3.92E-02	1.99E-02	1.11E-02	2.53E-02	3.45E-03
2025 Project	APU	2.26E-02	3.32E-03	3.09E-03	7.86E-03	9.95E-04	3.05E-04	5.52E-06	3.20E-04	5.68E-04	3.10E-03	4.50E-03	1.18E-03	1.34E-03	5.19E-04	1.34E-03	6.79E-04	3.79E-04	8.64E-04	1.18E-04
		2.55E+00	3.73E-01	3.47E-01	8.84E-01	1.12E-01	3.43E-02	6.21E-04	3.60E-02	6.39E-02	3.49E-01	5.07E-01	1.33E-01	1.50E-01	5.83E-02	1.50E-01	7.63E-02	4.26E-02	9.72E-02	1.32E-02

Operation Group	Mode	Fuel (ST)	Distance (r	Duration	CO (ST)	THC (ST)	TOG (ST)	VOC (ST)	NMHC (ST)	NOx (ST)	nvPM Mas	nvPM Num	PMSO (ST)	PMFO (ST)	CO2 (ST)	H2O (ST)	SOx (ST)	PM 2.5 (ST	PM 10 (ST)
Phase 1 Local	Startup	0	0	00:00.0	0.00E+00	3.37E+00	3.89E+00	3.87E+00	3.89E+00	0.00E+00	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Phase 1 Local	Taxi Out	2804.421	0	12:10.0	9.93E+01	1.24E+01	1.43E+01	1.42E+01	1.43E+01	1.26E+01	3.99E+04	2.74E+21	1.21E-01	7.08E-02	8.85E+03	3.47E+03	3.28E+00	2.36E-01	2.36E-01
Phase 1 Local	Climb Ground	4327.336	6435.38	15:36.4	1.00E+02	1.58E+01	1.83E+01	1.82E+01	1.83E+01	6.09E+01	7.30E+04	3.04E+21	1.87E-01	8.18E-02	1.37E+04	5.35E+03	5.07E+00	3.49E-01	3.49E-01
Phase 1 Local	Climb Below 1000 ft AFE	5048.32	12349.39	17:05.5	1.00E+02	1.59E+01	1.84E+01	1.83E+01	1.84E+01	8.52E+01	8.72E+04	3.19E+21	2.18E-01	8.68E-02	1.59E+04	6.24E+03	5.91E+00	4.01E-01	4.01E-01
Phase 1 Local	Climb Below Mixing Height	6726.312	32856.35	21:29.1	1.01E+02	1.60E+01	1.85E+01	1.84E+01	1.85E+01	1.33E+02	1.19E+05	3.53E+21	2.91E-01	9.64E-02	2.12E+04	8.32E+03	7.88E+00	5.18E-01	5.18E-01
Phase 1 Local	Climb Below 10000 ft AFE	12227.48	137592.6	36:35.8	1.03E+02	1.64E+01	1.89E+01	1.88E+01	1.89E+01	2.89E+02	2.02E+05	4.70E+21	4.92E-01	2.50E-01	3.86E+04	1.51E+04	1.43E+01	9.64E-01	9.64E-01
Phase 1 Local	Above 10000 ft AFE	0	0	00:00.0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Phase 1 Local	Descend Below 10000 ft AFE	3909.545	165138.9	05:14.8	6.97E+01	8.03E+00	9.28E+00	9.23E+00	9.28E+00	3.13E+01	8.68E+04	4.88E+21	1.66E-01	5.46E-02	1.23E+04	4.84E+03	4.58E+00	3.16E-01	3.16E-01
Phase 1 Local	Descend Below Mixing Height	2895.569	54650.84	44:33.9	4.43E+01	5.10E+00	5.89E+00	5.86E+00	5.89E+00	2.47E+01	6.23E+04	3.54E+21	1.25E-01	3.86E-02	9.14E+03	3.58E+03	3.39E+00	2.32E-01	2.32E-01
Phase 1 Local	Descend Below 1000 ft AFE	1596.448	17731.49	33:15.8	4.06E+01	4.90E+00	5.66E+00	5.63E+00	5.66E+00	1.01E+01	2.51E+04	1.58E+21	6.90E-02	3.09E-02	5.04E+03	1.97E+03	1.87E+00	1.27E-01	1.27E-01
Phase 1 Local	Descend Ground	1207.963	4202.37	29:30.0	3.92E+01	4.81E+00	5.56E+00	5.53E+00	5.56E+00	5.79E+00	1.96E+04	1.27E+21	5.22E-02	2.76E-02	3.81E+03	1.49E+03	1.41E+00	1.01E-01	1.01E-01
Phase 1 Local	Taxi In	1055.706	0	27:10.0	3.74E+01	4.66E+00	5.39E+00	5.36E+00	5.39E+00	4.73E+00	1.50E+04	1.03E+21	4.56E-02	2.67E-02	3.33E+03	1.31E+03	1.24E+00	8.88E-02	8.88E-02
Phase 1 Local	Full Flight	16137.02	302731.4	41:50.6	1.73E+02	2.44E+01	2.82E+01	2.80E+01	2.82E+01	3.20E+02	2.88E+05	9.58E+21	6.57E-01	3.05E-01	5.09E+04	2.00E+04	1.89E+01	1.28E+00	1.28E+00
Phase 1 Local	APU	0	0	10:00.0	2.31E+00	1.59E-01	1.84E-01	1.83E-01	1.84E-01	2.81E+00	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-01	3.78E-01	3.78E-01
		9.62E+03			1.48E+02	2.13E+01	2.46E+01	2.44E+01	2.46E+01	1.61E+02					3.03E+04		1.16E+01	1.13E+00	1.13E+00

AptLayout	Mode	Formaldeh	Methyl alc	Benzene IF	Acetaldeh	Naphthale	O-xylene II	Isopropylb	Ethylbenze	Styrene IRI	1,3-butadi	Acrolein IR	Toluene IR	Phenol (ca	M & P-xyle	Propionalc	Acetone IR	2-methyln	Benzaldeh	N-heptane IRIS (ST)
2029 Project	Taxi Out	2.73E+00	4.00E-01	3.72E-01	9.47E-01	1.20E-01	3.68E-02	6.65E-04	3.86E-02	6.85E-02	3.74E-01	5.43E-01	1.42E-01	1.61E-01	6.25E-02	1.61E-01	8.18E-02	4.56E-02	1.04E-01	1.42E-02
2029 Project	Climb Ground	2.75E+00	4.03E-01	3.76E-01	9.55E-01	1.21E-01	3.71E-02	6.70E-04	3.89E-02	6.91E-02	3.77E-01	5.47E-01	1.43E-01	1.62E-01	6.30E-02	1.62E-01	8.25E-02	4.60E-02	1.05E-01	1.43E-02
2029 Project	Climb Below 1000 ft AFE	2.76E+00	4.05E-01	3.77E-01	9.58E-01	1.21E-01	3.72E-02	6.73E-04	3.90E-02	6.93E-02	3.78E-01	5.49E-01	1.44E-01	1.63E-01	6.33E-02	1.63E-01	8.28E-02	4.62E-02	1.05E-01	1.44E-02
2029 Project	Climb Below Mixing Height	2.79E+00	4.09E-01	3.81E-01	9.67E-01	1.22E-01	3.76E-02	6.79E-04	3.94E-02	7.00E-02	3.82E-01	5.54E-01	1.45E-01	1.64E-01	6.38E-02	1.65E-01	8.35E-02	4.66E-02	1.06E-01	1.45E-02
2029 Project	Descend Below Mixing Height	1.13E+00	1.66E-01	1.54E-01	3.92E-01	4.97E-02	1.52E-02	2.76E-04	1.60E-02	2.84E-02	1.55E-01	2.25E-01	5.90E-02	6.67E-02	2.59E-02	6.68E-02	3.39E-02	1.89E-02	4.32E-02	5.88E-03
2029 Project	Descend Below 1000 ft AFE	1.08E+00	1.59E-01	1.48E-01	3.76E-01	4.76E-02	1.46E-02	2.64E-04	1.53E-02	2.72E-02	1.48E-01	2.16E-01	5.65E-02	6.39E-02	2.48E-02	6.40E-02	3.25E-02	1.81E-02	4.14E-02	5.63E-03
2029 Project	Descend Ground	1.06E+00	1.56E-01	1.45E-01	3.69E-01	4.68E-02	1.44E-02	2.59E-04	1.50E-02	2.67E-02	1.46E-01	2.12E-01	5.55E-02	6.28E-02	2.44E-02	6.28E-02	3.19E-02	1.78E-02	4.06E-02	5.53E-03
2029 Project	Taxi In	1.03E+00	1.51E-01	1.41E-01	3.58E-01	4.53E-02	1.39E-02	2.51E-04	1.46E-02	2.59E-02	1.41E-01	2.05E-01	5.37E-02	6.08E-02	2.36E-02	6.09E-02	3.09E-02	1.72E-02	3.93E-02	5.36E-03
2029 Project	APU	3.48E-02	5.10E-03	4.75E-03	1.21E-02	1.53E-03	4.69E-04	8.47E-06	4.91E-04	8.72E-04	4.76E-03	6.91E-03	1.81E-03	2.05E-03	7.96E-04	2.05E-03	1.04E-03	5.82E-04	1.33E-03	1.81E-04
		3.95E+00	5.80E-01	5.40E-01	1.37E+00	1.73E-01	5.33E-02	9.63E-04	5.59E-02	9.93E-02	5.42E-01	7.86E-01	2.06E-01	2.33E-01	9.05E-02	2.34E-01	1.18E-01	6.61E-02	1.51E-01	2.06E-02

Operation Group	Mode	Fuel (ST)	Distance (r	Duration	CO (ST)	THC (ST)	TOG (ST)	VOC (ST)	NMHC (ST)	NOx (ST)	nvPM Mas	nvPM Num	PMSO (ST)	PMFO (ST)	CO2 (ST)	H2O (ST)	SOx (ST)	PM 2.5 (ST	PM 10 (ST)
Phase 2 Local	Startup	0	0	00:00.0	0.00E+00	5.39E+00	6.24E+00	6.20E+00	6.24E+00	0.00E+00	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Phase 2 Local	Taxi Out	4453.246	0	11:55.0	1.54E+02	1.92E+01	2.22E+01	2.20E+01	2.22E+01	1.97E+01	6.34E+04	4.23E+21	1.92E-01	1.10E-01	1.41E+04	5.51E+03	5.22E+00	3.72E-01	3.72E-01
Phase 2 Local	Climb Ground	6870.693	10021.83	15:16.0	1.55E+02	2.47E+01	2.86E+01	2.84E+01	2.86E+01	9.58E+01	1.16E+05	4.70E+21	2.97E-01	1.27E-01	2.17E+04	8.50E+03	8.05E+00	5.52E-01	5.52E-01
Phase 2 Local	Climb Below 1000 ft AFE	7896.915	18606.39	16:36.0	1.55E+02	2.48E+01	2.87E+01	2.85E+01	2.87E+01	1.30E+02	1.38E+05	4.92E+21	3.41E-01	1.35E-01	2.49E+04	9.77E+03	9.25E+00	6.29E-01	6.29E-01
Phase 2 Local	Climb Below Mixing Height	10695.01	51295.92	21:00.2	1.57E+02	2.50E+01	2.89E+01	2.87E+01	2.89E+01	2.11E+02	1.89E+05	5.44E+21	4.62E-01	1.51E-01	3.37E+04	1.32E+04	1.25E+01	8.22E-01	8.22E-01
Phase 2 Local	Climb Below 10000 ft AFE	19363.26	214030.8	35:50.6	1.60E+02	2.56E+01	2.96E+01	2.94E+01	2.96E+01	4.56E+02	3.20E+05	7.19E+21	7.79E-01	3.94E-01	6.11E+04	2.40E+04	2.27E+01	1.53E+00	1.53E+00
Phase 2 Local	Above 10000 ft AFE	0	0	00:00.0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Phase 2 Local	Descend Below 10000 ft AFE	6322.719	261180.8	05:14.8	1.08E+02	1.24E+01	1.44E+01	1.43E+01	1.44E+01	5.04E+01	1.55E+05	8.54E+21	2.68E-01	8.66E-02	1.99E+04	7.82E+03	7.41E+00	5.26E-01	5.26E-01
Phase 2 Local	Descend Below Mixing Height	4678.157	86621.97	44:33.9	6.90E+01	7.94E+00	9.18E+00	9.14E+00	9.18E+00	3.96E+01	1.10E+05	6.13E+21	2.02E-01	6.12E-02	1.48E+04	5.79E+03	5.48E+00	3.85E-01	3.85E-01
Phase 2 Local	Descend Below 1000 ft AFE	2523.878	27415.63	33:15.8	6.31E+01	7.61E+00	8.80E+00	8.76E+00	8.80E+00	1.57E+01	4.11E+04	2.52E+21	1.09E-01	4.83E-02	7.96E+03	3.12E+03	2.96E+00	2.03E-01	2.03E-01
Phase 2 Local	Descend Ground	1935.11	6804.08	29:30.0	6.10E+01	7.48E+00	8.64E+00	8.60E+00	8.64E+00	9.20E+00	3.23E+04	2.03E+21	8.36E-02	4.30E-02	6.11E+03	2.39E+03	2.27E+00	1.62E-01	1.62E-01
Phase 2 Local	Taxi In	1682.223	0	27:10.0	5.82E+01	7.24E+00	8.37E+00	8.33E+00	8.37E+00	7.45E+00	2.39E+04	1.60E+21	7.27E-02	4.14E-02	5.31E+03	2.08E+03	1.97E+00	1.41E-01	1.41E-01
Phase 2 Local	Full Flight	25685.98	475211.7	41:05.4	2.69E+02	3.80E+01	4.39E+01	4.37E+01	4.39E+01	5.07E+02	4.75E+05	1.57E+22	1.05E+00	4.80E-01	8.10E+04	3.18E+04	3.01E+01	2.05E+00	2.05E+00
Phase 2 Local	APU	0	0	10:00.0	3.65E+00	2.44E-01	2.82E-01	2.81E-01	2.82E-01	4.46E+00	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-01	6.17E-01	6.17E-01

Operational Employee Vehicle Emissions

	Daily	Emission Factor (g/mile)									Daily Emissions (pounds/day)									Annual Emissions (tons/year)									Annual Emissions (metric tons/year)	Fuel
Condition	Miles	ROG	CO	NOX	CO2	CH4	N2O	PM10	PM2.5	SO2	ROG	CO	NOX	CO2	CH4	N2O	PM10	PM2.5	SO2	ROG	CO	NOX	CO2	CH4	N2O	PM10	PM2.5	SO2	CO2e	(gallons)
Phase 1	35,402	0.01	0.78	0.07	300	0.003	0.006	0.02	0.01	0.003	0.96	60.8	5.43	23,428	0.22	0.50	1.82	0.74	0.23	0.18	11.1	0.99	4,276	0.04	0.09	0.33	0.13	0.04	3,902	437,888
Phase 2	35,540	0.01	0.63	0.05	278	0.002	0.005	0.02	0.01	0.003	0.68	49.6	3.80	21,764	0.16	0.43	1.77	0.69	0.21	0.12	9.05	0.69	3,972	0.03	0.08	0.32	0.13	0.04	3,623	406,608

Operational Truck Emissions

	Daily	Emission Factor (g/mile)									Daily Emissions (pounds/day)									Annual Emissions (tons/year)									Annual Emissions (metric tons/year)	Fuel
Condition	Miles	ROG	CO	NOX	CO2	CH4	N2O	PM10	PM2.5	SO2	ROG	CO	NOX	CO2	CH4	N2O	PM10	PM2.5	SO2	ROG	CO	NOX	CO2	CH4	N2O	PM10	PM2.5	SO2	CO2e	(gallons)
Phase 1	9,889	0.04	1.32	0.11	421	0.008	0.009	0.02	0.01	0.004	0.97	29	2.4	9,171	0.18	0.20	0.47	0.19	0.09	0.18	5.3	0.45	1,674	0.03	0.04	0.09	0.04	0.02	1,528	150,556
Phase 2	14,623	0.01	0.79	0.06	385	0.003	0.006	0.02	0.01	0.004	0.37	25.5	1.97	12,414	0.09	0.20	0.66	0.26	0.12	0.07	4.7	0.36	2,266	0.02	0.04	0.12	0.05	0.02	2,064	203,390

Phase 1	EF (g/hp-hr)	HP	Annual Emissions (tons)	Daily Emissions (lbs)				
NOx	0.50	2,682	0.37	5.91	50	hours per year	2,000	kw
CO	2.60	2,682	1.92	30.7	2	hours per day	2,682	hp
SOx	0.37	2,682	0.27	4.34	5	Units		
PM10/PM2.5	0.03	2,682	0.02	0.35				
CO2	526	2,682	389	6,222	353	metric tons		
TOC (ROG)	0.19	2,682	0.14	2.25	34,759	gallons		

Phase 2	EF (g/hp-hr)	HP	Annual Emissions (tons)	Daily Emissions (lbs)				
NOx	0.50	2,682	0.15	5.91	50	hours per year	2,000	kw
CO	2.60	2,682	0.77	30.7	2	hours per day	2,682	hp
SOx	0.37	2,682	0.11	4.34	2	Units		
PM10/PM2.5	0.03	2,682	0.01	0.35				
CO2	526	2,682	156	6,222	141	metric tons		
TOC (ROG)	0.19	2,682	0.06	2.25	13,904	gallons		

Phase 1 and 2	EF (g/hp-hr)	HP	Annual Emissions (tons)	Daily Emissions (lbs)				
NOx	0.50	2,682	0.52	5.91	50	hours per year	2,000	kw
CO	2.60	2,682	2.69	30.7	2	hours per day	2,682	hp
SOx	0.37	2,682	0.38	4.34	7	Units		
PM10/PM2.5	0.03	2,682	0.03	0.35				
CO2	526	2,682	544	6,222	494	metric tons		
TOC (ROG)	0.19	2,682	0.20	2.25	48,662	gallons		

Source:
http://www.ourair.org/dice/emission-factors-2/

	EF (lb/hp-hr)	EF (g/hp-hr)
NOx (Uncontrolled)	0.024	10.9
NOx (Controlled)	0.013	5.90
CO	0.0055	2.49
SOx	0.000809	0.37
PM10/PM2.5	0.0007	0.32
CO2	1.16	526
TOC (ROG)	0.000705	0.32

Source: USEPA AP-42 Section 3.4

Attachment C

Health Risk Assessment Methodology and Assumptions

A health risk assessment (HRA) is accomplished in four steps: 1) hazards identification, 2) exposure assessment, 3) toxicity assessment, and 4) risk characterization. These steps cover the estimation of air emissions, the estimation of the air concentrations resulting from a dispersion analysis, the incorporation of the toxicity of the pollutants emitted, and the characterization of the risk based on exposure parameters such as breathing rate, age adjustment factors, and exposure duration; each depending on receptor type (i.e., residence, school, daycare centers, hospitals, senior care facilities, recreational areas, adult, infant, child, including onsite workers within the passenger terminal areas).

This HRA was conducted in accordance with technical guidelines developed by federal, state, and regional agencies, including United States Environmental Protection Agency (USEPA) *Guideline on Air Quality Models*[1], California Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*[2], the South Coast Air Quality Management District (SCAQMD) *AB 2588 and Rule 1402 Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act,*[3] and SCAQMD's *Risk Assessment Procedures for Rule 1401, 1401.1 and 212.*[4] This HRA addresses the emissions from construction activities (nonroad equipment at the project site and off-site truck travel along nearby roadways) with a specific focus is on diesel particulate matter (DPM) emissions. This HRA also addresses air toxic emissions from aircraft operations.

An HRA should not be interpreted as the expected rates of cancer or other potential human health effects, but rather as estimates of potential risk or likelihood of adverse effects based on current knowledge, under several highly conservative assumptions and the best assessment tools currently available.

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1 United States Environmental Protection Agency, *Guideline on Air Quality Models (Revised), 40 Code of Federal Regulations, Part 51, Appendix W,* November 2005.

2 Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, March 6, 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html

3 South Coast Air Quality Management District, *AB 2588 and Rule 1402 Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act*, July 2018, http://www.aqmd.gov/docs/default-source/planning/risk-assessment/ab2588supplementalguidelines.pdf

4 South Coast Air Quality Management District, *Risk Assessment Procedures for Rule 1401, 1401.1 and 212*, September 1, 2017, http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12.

TERMS AND DEFINITIONS

As the practice of conducting an HRA is particularly complex and involves concepts that are not altogether familiar to most people, several terms and definitions are provided that are considered essential to the understanding of the approach, methodology and results:

Acute effect – a health effect (non-cancer) produced within a short period of time (few minutes to several days) following an exposure to toxic air contaminants (TAC).

Cancer risk – the probability of an individual contracting cancer from a lifetime (i.e., 70 year) exposure to TAC such as DPM in the ambient air based on an exposure duration of 30 years.

Chronic effect – a health effect (non-cancer) produced from a continuous exposure occurring over an extended period of time (weeks, months, years).

Hazard Index (HI) – the unitless ratio of an exposure level over the acceptable reference dose. The HI can be applied to multiple compounds in an additive manner.

Hazard Quotient (HQ) – the unitless ratio of an exposure level over the acceptable reference dose. The HQ is applied to individual compounds.

Toxic Air Contaminants – any air pollutant that can cause short-term (acute) and/or long-term (chronic or carcinogenic, i.e., cancer causing) adverse human health effects (i.e., injury or illness). The current California list of TAC identify approximately 200 compounds, including particulate emissions from diesel-fueled engines.

Human Health Effects - comprise disorders such as eye watering, respiratory or heart ailments, and other (i.e., non-cancer) related diseases.

Health Risk Assessment – an analysis designed to predict the generation and dispersion of TAC in the outdoor environment, evaluate the potential for exposure of human populations, and to assess and quantify both the individual and population-wide health risks associated with those levels of exposure.

Incremental – under CEQA, the net difference (or change) in conditions or impacts when comparing the baseline to future year project conditions.

Maximum exposed individual (MEI) – an individual assumed to be located at the point where the highest concentrations of TAC, and therefore, health risks are predicted to occur.

Non-cancer risks – health risks such as eye watering, respiratory or heart ailments, and other non-cancer related diseases.

Receptors – the locations where potential health impacts or risks are predicted (i.e., schools, residences, and recreational sites).

LIMITATIONS AND UNCERTAINTIES

There are several important limitations and uncertainties commonly associated with a HRA due to the wide variability of human exposures to TAC, the extended timeframes over which the exposures are evaluated, and the inability to verify the results. Limitations and uncertainties associated with a HRA include: (a.) lack of reliable monitoring data; (b.) extrapolation of toxicity data in animals to humans; (c.) estimation errors in calculating TAC emissions; (d.) concentration prediction errors with dispersion models; and (e.) the variability in lifestyles, fitness and other confounding factors of the human population. This HRA was performed in accordance with USEPA, OEHHA, and SCAQMD guidance and requirements, notwithstanding the following uncertainties:

- There are uncertainties associated with the estimation of emissions from project activities. Where project-specific data, such as emission factors, are not available, default assumptions in emission models were used.

- The limitations of the air dispersion model provide a source of uncertainty in the estimation of exposure concentrations. According to USEPA, errors due to the limitation of the algorithms implemented in the air dispersion model in the highest estimated concentrations of +/- 10 percent to 40 percent are typical.[5]

- The source parameters used to model emission sources add uncertainty. For all emission sources, the source parameters used source-specific, recommended as defaults, or expected to produce more conservative results. Discrepancies might exist in actual emissions characteristics of an emission source and its representation in the dispersion model.

- The exposure duration estimates do not consider that people do not usually reside at the same location for 30 years and that other exposures (i.e., school children) are also of much shorter durations than was assumed in this HRA. This exposure duration is a highly conservative assumption since most people do not remain at home all day and on average residents change residences every 11 to 12 years. In addition, this assumption adopts that residents are experiencing outdoor concentrations for the entire exposure period. A school child exposure

[5] United States Environmental Protection Agency, *Guideline on Air Quality Models (Revised), 40 Code of Federal Regulations, Part 51, Appendix W,* November 2005.

duration is between ages 2 and 16 years old, which again is conservative because the elementary, middle, and high school are not often located at the same location.

- For the risk and hazards calculations as well as the cumulative health impact, numerous assumptions must be made to estimate human exposure to pollutants. These assumptions include parameters such as breathing rates, exposure time and frequency, exposure duration, and human activity patterns. While a mean value derived from scientifically defensible studies is the best estimate of central tendency, most of the exposure variables used in this HRA are high-end estimates. The combination of several high-end estimates used as exposure parameters may substantially overestimate pollutant intake. The excess lifetime cancer risks calculated in this HRA are therefore likely to be higher than may be required to be protective of public health.

- The OEHHA cancer potency factor for DPM was used to estimate cancer risks associated with exposure to DPM emissions from construction activities. However, the cancer potency factor derived by OEHHA for DPM is highly uncertain in both the estimation of response and dose. In the past, due to inadequate animal test data and epidemiology data on diesel exhaust, the International Agency for Research on Cancer (IARC), a branch of the World Health Organization, had classified DPM as Probably Carcinogenic to Humans (Group 2); the USEPA had also concluded that the existing data did not provide an adequate basis for quantitative risk assessment.[6] However, based on two recent scientific studies,[7] IARC recently re-classified DPM as Carcinogenic to Humans to Group 1,[8] which means that the agency has determined that there is "sufficient evidence of carcinogenicity" of a substance in humans and represents the strongest weight-of-evidence rating in IARC carcinogen classification scheme. This determination by the IARC may provide additional impetus for the USEPA to identify a quantitative dose-response relationship between exposure to DPM and cancer.

In summary, the estimated health impacts are based primarily on a series of conservative assumptions related to predicted environmental concentrations, exposure, and chemical toxicity. The use of conservative assumptions tends to produce upper-bound estimates of risk. The USEPA notes that the conservative assumptions used in a HRA are intended to assure that the estimated risks do not

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6 United States Environmental Protection Agency, *Health Assessment Document for Diesel Engine Exhaust*, May 2002, https://cfpub.epa.gov/si/si_public_record_report.cfm?dirEntryId=29060

7 Attfield MD, Schleiff PL, Lubin JH, Blair A, Stewart PA, Vermeulen R, Coble JB, Silverman DT, *The Diesel Exhaust in Miners Study: A Nested Case-Control Study of Lung Cancer and Diesel Exhaust*, June 2012, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3369553/

8 International Agency for Research on Cancer, *Diesel Engine Exhaust Carcinogenic*, June 2012, https://www.iarc.fr/en/media-centre/pr/2012/pdfs/pr213_E.pdf

underestimate the actual risks posed by a site and that the estimated risks do not necessarily represent actual risks experienced by populations at or near a site.[9]

HAZARDS IDENTIFICATION

Diesel exhaust is a complex mixture of numerous individual gaseous and particulate compounds emitted from diesel-fueled combustion engines. Diesel particulate matter is formed primarily through the incomplete combustion of diesel fuel. DPM is removed from the atmosphere through physical processes including atmospheric fall-out and washout by rain. Humans can be exposed to airborne DPM by deposition on water, soil, and vegetation, although the main pathway of exposure is inhalation. Cal/EPA has concluded that potential cancer risk from inhalation exposure to whole diesel exhaust outweigh the multi-pathway cancer risk from the speciated components.

In August 1998, the CARB identified DPM as an air toxic. CARB developed the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel- Fueled Engines and Vehicles* and *Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines* and approved these documents on September 28, 2000.[10,11] The documents represent proposals to reduce DPM emissions, with the goal of reducing emissions and the associated health risk by requiring the use of state-of-the-art catalyzed DPM filters and ultra-low-sulfur diesel fuel.

In 2001, CARB assessed the state-wide health risks from exposure to diesel exhaust and to other toxic air contaminants. It is difficult to distinguish the health risks of diesel emissions from those of other air toxics, since diesel exhaust contains approximately 40 different air toxics. The CARB study detected diesel exhaust by using ambient air carbon soot measurements as a surrogate for diesel emissions. The study reported that the state-wide cancer risk from exposure to diesel exhaust was about 540 per million population as compared to a total risk for exposure to all ambient air toxics of 760 per million. This estimate, which accounts for about 70 percent of the total risk from TAC, included both urban and rural areas in the state. The estimate can also be considered an average worst-case for the state, since it assumes constant exposure to outdoor concentrations of diesel exhaust and does not account for expected lower concentrations indoors, where most of time is spent. DPM is estimated to increase statewide cancer risk by 520 cancers per million residents exposed over a lifetime.[12]

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9 United States Environmental Protection Agency, *Risk Assessment Guidance for Superfund Human Health Risk Assessment*, December 1989, https://www.epa.gov/sites/production/files/2015-09/documents/rags_a.pdf

10 California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles,* October 2000, http://www.arb.ca.gov/diesel/documents/rrpfinal.pdf

11 California Air Resources Board, *Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines,* October 2000.

12 California Air Resources Board, *Summary: Diesel Particulate Matter Health Impacts*, April 12, 2016, https://www.arb.ca.gov/research/diesel/diesel-health_summ.htm

Exposure to DPM results in a greater incidence of chronic non-cancer health effects, such as cough, labored breathing, chest tightness, wheezing, and bronchitis. Individuals particularly vulnerable to DPM are children, whose lung tissue is still developing, the elderly and people with illnesses who may have other serious health problems that can be aggravated by exposure to DPM. In general, children are more vulnerable than adults to air pollutants because they have higher inhalation rates, narrower airways, and less mature immune systems. In addition, children with allergies may have an enhanced allergic response when exposed to diesel exhaust.

The FAA's Aviation Emissions and Air Quality Handbook, Chapter 6,[13] lists potential HAP included in the aircraft emissions inventory. Formaldehyde is emitted in the greatest amount, followed by acetaldehyde, acrolein, benzene, methyl alcohol, and 1,3-butadiene.

EXPOSURE PARAMETERS

Exposure to airborne chemicals occurs through inhalation and subsequent absorption into the body, potentially resulting in adverse health effects depending on toxicological properties of the chemical and other exposure parameters. This HRA was conducted in accordance with technical guidelines developed by federal, state, and regional agencies, including U.S. Environmental Protection Agency (USEPA), California Environmental Protection Agency (CalEPA), California Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*[14], the SCAQMD *AB 2588 and Rule 1402 Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act,*[15] and SCAQMD's *Risk Assessment Procedures for Rule 1401, 1401.1 and 212*.[16]

OEHHA's revisions to its *Guidance Manual* were primarily designed to ensure that the greater sensitivity of children to cancer and other health risks is reflected in HRAs. For example, OEHHA now recommends that risks be analyzed separately for multiple age groups, focusing especially on young children and teenagers, rather than the past practice of analyzing risks to the general population, without distinction by age. OEHHA also now recommends that statistical "age sensitivity factors" be incorporated into a HRA, and that children's relatively high breathing rates be accounted for. On the other hand, the

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[13] Federal Aviation Administration, Aviation Emissions and Air Quality Handbook, January 2015, Aviation Emissions and Air Quality Handbook (faa.gov)

[14] Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, March 6, 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html

[15] South Coast Air Quality Management District, *AB 2588 and Rule 1402 Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act*, September 2018, http://www.aqmd.gov/docs/default-source/planning/risk-assessment/ab2588supplementalguidelines.pdf

[16] South Coast Air Quality Management District, *Risk Assessment Procedures for Rule 1401, 1401.1 and 212*, September 1, 2017, http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12

Guidance Manual revisions also include some changes that would reduce calculated health risks. For example, under the former guidance, OEHHA recommended that residential cancer risks be assessed by assuming 70 years of exposure at a residential receptor; under the *Guidance Manual*, this assumption is lessened to 30 years. This is based on studies showing that 30 years is a reasonable estimate of the 90th to 95th percentile of residency duration in the population. Therefore, the health risk assessment provides that a receptor's exposure to a project's emissions for up to 30 years and that the cancer rick is then determined based on a 30-year lifetime for that receptor.

Scientific data have shown that young animals are more sensitive than adult animals to exposure to many carcinogens. Therefore, OEHHA developed age sensitivity factors (ASF) to consider the increased sensitivity to carcinogens during early-in-life exposures. OEHHA recommends that cancer risks be weighted by a factor of 10 for exposures that occur from the third trimester of pregnancy to 2 years of age, by a factor of 3 for exposures from 2 years through 16 years of age, and by a factor of 1 for exposures from 16 years through 30 years of age.

OEHHA and SCAQMD have developed exposure factors (e.g., daily breathing rates) for four age groups including the third trimester to birth, birth to 2 years, 2 to 16 years, and 16 to 30 years. These age bins allow for more refined exposure information to be used when estimating exposure and the potential for developing cancer over a lifetime. This means that exposure variates are needed for the third trimester, ages zero to less than two, ages two to than 16, and ages 16 to 30. Residential receptors utilize the 95th percentile breathing rate values. For residential exposures, the high-end daily breathing rates (e.g., 95th percentile) for children from the third trimester through age 2, and 80th percentile daily breathing rates for all other ages are recommended. The age-specific breathing rates for the four age groups are 361 liters per kilogram-day for third trimester, 1,060 liters per kilogram-day for ages less than 2 years, 572 liters per kilogram-day for ages 2 to 16 years, and 261 liters per kilogram-day for ages 16 to 30 years. A school child (age 2 to 9 years) breathing rate is 631 liters per kilogram-day and an off-site and onsite worker breathing rate is 230 liters per kilogram-day.[17] [18]

Based on OEHHA recommendations, the cancer risk to residential receptors assumes exposure occurs 24 hours per day for 350 days per year while accounting for a percentage of time at home. OEHHA evaluated information from activity pattern databases to estimate the fraction of time at home (FAH) during the day.

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[17] Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, March 6, 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html.

[18] South Coast Air Quality Management District, *Risk Assessment Procedures for Rule 1401, 1401.1 and 212*, September 1, 2017, http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12.

This information is used to adjust cancer risk from a project's emissions, assuming that exposure to the project's emissions is not occurring away from home. A FAH factor of 1.0 applies for the offsite workers since the offsite worker is assumed to be present for a typical eight-hour workday compared to the 8-hour construction schedule. In general, the FAH factors are age-specific and are 0.85 for ages less than 2 years, 0.72 for ages 2 to 16 years, and 0.73 for ages 16 to 30 years. However, SCAQMD recommends the FAH is assumed to be 1 for ages third trimester to age 16. As a conservative assumption, children are assumed to attend a daycare or school near their home and no discount should be taken for time spent outside of the area affected by the project's emissions.[19] [20]

Based on OEHHA recommendations, for children at school sites, exposure is assumed to occur 10 hours per day for 180 days (or 36 weeks) per year. Cancer risk estimates for children at school sites are calculated based on nine-year exposure duration. School sites also include teachers and other adult staff which are treated as off-site workers. For occupational receptors, SCAQMD guidance suggests that the exposure be based on 8 hours per day, 5 days per week, 250 working days per year, and a 25-year working lifetime. This is a conservative assumption since most people do not remain at the same job for 25 years. For worker exposures, it is assumed that the working age begins at 16 years, and that exposures to project emissions occur during the work shift which is typically up to eight hours per day during workdays. Given the exposure durations of less than 24 hours, sensitive recreational receptors were evaluated for acute impacts only.[21] [22]

Table C-1 presents a summary of the health risk assessment exposure factors.

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[19] Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, March 6, 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html.

[20] South Coast Air Quality Management District, *Risk Assessment Procedures for Rule 1401, 1401.1 and 212*, September 1, 2017, http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12.

[21] Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, March 6, 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html.

[22] South Coast Air Quality Management District, *Risk Assessment Procedures for Rule 1401, 1401.1 and 212*, September 1, 2017, http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12.

Table C-1
Health Risk Assessment Exposure Factors

Receptor	Age	Age Specific Factor	Breathing Rate (L/kg-day)	Fraction of Time	Daily Exposure	Annual Exposure
Worker	16 to 41	1	230	1	8 hours	250 days
Residential	Third Trimester	10	361	0.85	24 hours	350 days
	0 to 2	10	1,090	0.85	24 hours	350 days
	2 to 16	3	572	0.72	24 hours	350 days
	16 to 30	1	261	0.73	24 hours	350 days
School Child	2 to 16	3	581	1	10 hours	180 days

Source: Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, March 6, 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html and South Coast Air Quality Management District, *Risk Assessment Procedures for Rule 1401, 1401.1 and 212*, September 1, 2017, http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12.

RECEPTOR LOCATIONS

Some receptors are considered more sensitive to air pollutants than others, because of preexisting health problems, proximity to the emissions source, or duration of exposure to air pollutants. Land uses such as primary and secondary schools, hospitals, and convalescent homes are considered to be relatively sensitive to poor air quality because the very young, the old, and the infirm are more susceptible to respiratory infections and other air quality-related health problems than the general public. **Attachment A** of this technical report provides detailed information about receptor locations.

RISK CHARACTERIZATION

Cancer risk is defined as the lifetime probability of developing cancer from exposure to carcinogenic substances. Cancer risks are expressed as the chance in one million of getting cancer (i.e., number of cancer cases among one million people exposed). The cancer risks are assumed to occur exclusively through the inhalation pathway. The cancer risk can be estimated by using the cancer potency factor (milligrams per kilogram of body weight per day [mg/kg-day]), the 30-year annual average concentration (microgram per cubic meter [µg/m^3]), and the lifetime exposure adjustment based on a 30-year exposure duration.

Following guidelines established by OEHHA, the incremental cancer risks attributable to the proposed project were calculated by applying exposure parameters to modeled DPM concentrations in order to determine the inhalation dose (mg/kg-day) or the amount of pollutants inhaled per body weight mass per day. The cancer risks occur exclusively through the inhalation pathway; therefore, the cancer risks can be estimated from the following equation:

$$\text{Dose-inh} = \underline{C_{air} * \{DBR\} * A * ASF * FAH * EF * ED * 10^{-6}}$$

AT

where:

Dose-inh = Dose of the toxic substance through inhalation in mg/kg-day

10^{-6} = Micrograms to milligrams conversion, Liters to cubic meters conversion

C_{air} = Concentration in air in microgram (µg)/cubic meter (m^3)

DBR = Daily breathing rate in liter (L)/kg body weight – day

A = Inhalation absorption factor, 1.0

ASF = Age Sensitivity Factor

EF = Exposure frequency (days/year)

ED = Exposure duration (years)

FAH = Fraction of Time at Home

AT = Averaging time period over which exposure is averaged in days (25,550 days based on a 30-year exposure duration)

To determine incremental cancer risk, the estimated inhalation dose attributed to the proposed project was multiplied by the cancer potency slope factor (cancer risk per mg/kg-day). The cancer potency slope factor is the upper bound on the increased cancer risk from a lifetime exposure to a pollutant. These slope factors are based on epidemiological studies and are different values for different pollutants. This allows the estimated inhalation dose to be equated to a cancer risk.

Non-cancer adverse health impacts, acute (short-term) and chronic (long-term), are measured against a hazard index (HI), which is defined as the ratio of the predicted incremental exposure concentration from the proposed project to a published reference exposure level (REL) that could cause adverse health effects as established by OEHHA. The ratio (referred to as the Hazard Quotient [HQ]) of each non-carcinogenic substance that affects a certain organ system is added to produce an overall HI for that organ system. The overall HI is calculated for each organ system. If the overall HI for the highest-impacted organ system is greater than one, then the impact is significant.

The HI is an expression used for the potential for non-cancer health effects. The relationship for the non-cancer health effects is given by the annual concentration (in µg/m^3) and the REL (in µg/m^3). The acute

hazard index was determined using the "simple" concurrent maximum approach, which tends to be conservative (i.e., overpredicts).

The relationship for the non-cancer health effects is given by the following equation:

$$HI = C/REL$$

Where:

HI = Hazard index; an expression of the potential for non-cancer health effects.

C = Annual average concentration ($\mu g/m^3$) during the 30-year exposure period.

REL = Concentration at which no adverse health effects are anticipated.

The concentration level at or below which no adverse non-cancer health effects are anticipated for a specified exposure duration is termed the REL. REL are based on the most sensitive, relevant, adverse health effect reported in the medical and toxicological literature. REL are designed to protect the most sensitive individuals in the population by the inclusion of margins of safety. Since margins of safety are incorporated to address data gaps and uncertainties, exceeding the REL does not automatically indicate an adverse health impact.[23] **Table C-2** displays the toxicity values for the pollutants of concern associated with the proposed project construction (as in diesel particulate matter) and operations (other air toxics).

Table C-2
Health Risk Assessment Toxicity Values

Compound	Inhalation Slope Factor $(mg/kg\text{-}day)^{-1}$	Acute REL ($\mu g/m^3$)	Chronic REL ($\mu g/m^3$)
DPM	1.1	-	5.0
Acetaldehyde	0.01	470	140
Acetone	-	-	-
Acrolein	-	2.5	0.35
Benzaldehyde	-	-	-
Benzene	0.1	27	3
1,3-Butadiene	0.6	660	2
Ethylbenzene	0.0087	-	2000
Formaldehyde	0.021	55	9
N-heptane	-	-	-

23 Office of Environmental Health Hazards Assessment - Consolidated Health Values Table, August 20, 2018, https://www.arb.ca.gov/toxics/healthval/contable.pdf

Isopropyl benzene	-	-	-
Methyl alcohol (Methanol)	-	28000	4000
2-methylnaphthalene	-	-	-
Naphthalene	0.12	-	9
Phenol	-	5800	200
Propionaldehyde	-	-	-
Styrene	-	21000	900
Toluene	-	5000	420
m,p-Xylene	-	22000	700
o-Xylene	-	22000	700

Source: Office of Environmental Health Hazards Assessment - – *Chemical Database,* https://oehha.ca.gov/chemicals

The USEPA and FAA developed organic gas speciation profiles and best practices for use in preparing HAP emission inventories of aircraft with turbofan, turbojet, and turboprop engines fueled with kerosene-based jet-A fuel. These profiles and guidance were developed in tandem by both agencies, considering the most recent data and information available.

> Recommended Best Practice for Quantifying Speciated Organic Gas Emissions from Aircraft Equipped with Turbofan, Turbojet, and Turboprop Engines.[24]
>
> The aircraft-related speciation profile developed from this initiative was used to update the organic gas profile for aircraft in the USEPA SPECIATE database—the agency's multi-sector repository for such data. In this application, a *speciation profile* is the amount of organic gases emitted based on the amount of VOC emitted by an emission source.

FAA also published a document providing an approach to, and technical guidance for, preparing speciated organic gas emissions inventories for airport sources.

> Guidance for Quantifying Speciated Organic Gas Emissions from Airport Sources.[25]
>
> This guidance is intended to help ensure that OG/HAP emission inventories prepared in support of environmental documents prepared by, or on behalf of, the FAA are done so consistently. Importantly, it points out that emission inventories of aviation-related organic gases, which include the organic gases identified by the USEPA to be HAP and the organic gases listed in the USEPA's Integrated Risk Information System, are not

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24 Federal Aviation Administration, Recommended Best Practice for Quantifying Speciated Organic Gas Emissions from Aircraft Equipped with Turbofan, Turbojet, and Turboprop Engines (Version 1.0), May 2009, http://www.epa.gov/nonroad/aviation/420r09901.pdf

25 Federal Aviation Administration, Guidance for Quantifying Speciated Organic Gas Emissions from Airport Sources, Version 1, September 2, 2009, http://www.faa.gov/regulations_policies/policy_guidance/envir_policy/media/Guidance%20for%20Quantifying%20Speciated%20Organic%20Gas%20Emissions%20from%20Airport%20Sources.pdf

required by current USEPA regulations. However, in those cases where it is necessary to prepare such an aviation-related HAP emissions inventory, the inventory must be prepared following this guidance and using AEDT.

Aircraft emissions for each phase of aircraft movement and each year/scenario for the proposed project using the FAA's AEDT. Emissions of air toxics from jet/turbine powered aircraft were calculated from the VOC emissions and the speciated fraction of air toxics in jet/turbine VOC in the USEPA's *Recommended Best Practice for Quantifying Speciated Organic Gas Emissions from Aircraft Equipped with Turbofan, Turbojet, and Turboprop Engines*. The aircraft mass fraction of each evaluated air toxics is shown in **Table C-3**. The values are the mass fraction for total hydrocarbon (THC) emissions. For the health risk assessment, the VOC concentrations were determined using AEDT/AERMOD. Therefore, to convert to VOC emissions multiple by 0.8534 (or THC to TOG of 1.16 and TOG to VOC of 0.99).[26] HAP emissions were determined via AEDT and VOC mass fraction are based on the AEDT VOC emissions and the individual HAP emissions.

Table C-3
Aircraft Air Toxics Emissions Mass Fraction for Turbofan, Turbojet, and Turboprop Engines

Compound	Aircraft Emission THC Mass Fraction	Aircraft Emission VOC Mass Fraction
Acetaldehyde	0.04272	0.03646
Acetone	0.00369	0.00315
Acrolein	0.02449	0.02090
Benzaldehyde	0.00470	0.00401
Benzene	0.01681	0.01435
1,3-Butadiene	0.01687	0.01440
Ethyl benzene	0.00174	0.00149
Formaldehyde	0.12308	0.10506
N-Heptane	0.00064	0.00055
Isopropyl benzene	0.00003	0.00003
Methyl alcohol (Methanol)	0.01805	0.01540
2-methyl naphthalene	0.00206	0.00173
Naphthalene	0.00541	0.00462
Phenol	0.00726	0.00548
Propionaldehyde	0.00727	0.00620
Styrene	0.00309	0.00264
Toluene	0.00642	0.00548
m,p-Xylene	0.00282	0.00241
o-Xylene	0.00166	0.00142

26 Federal Aviation Administration, Recommended Best Practice for Quantifying Speciated Organic Gas Emissions from Aircraft Equipped with Turbofan, Turbojet, and Turboprop Engines (Version 1.0), May 2009, http://www.epa.gov/nonroad/aviation/420r09901.pdf

Source: Federal Aviation Administration, Recommended Best Practice for Quantifying Speciated Organic Gas Emissions from Aircraft Equipped with Turbofan, Turbojet, and Turboprop Engines (Version 1.0), May 2009, http://www.epa.gov/nonroad/aviation/420r09901.pdf and Federal Aviation Administration, Aviation Environmental Design Tool (AEDT) User's Manual, March 29, 2021, https://aedt.faa.gov/Documents/AEDT3d_UserManual.pdf

A brief description of the air toxics of concern (those with toxicity values and aircraft emissions mass fractions) is provided within the following:

1,3-Butadiene

1,3-butadiene is a colorless gas. At room temperature, it has a gasoline-like odor. This pollutant is a byproduct of petroleum processing and is used in the production of synthetic rubber and plastics. It is also found in automobile exhaust, gasoline vapor, fossil fuel incineration products, and cigarette smoke. Most 1,3-butadiene is released into the air and humans are typically exposed to the pollutant via inhalation. Breathing very high levels of 1,3-butadiene, even for a short time, may cause central nervous system damage, blurred vision, nausea, fatigue, headache, decreased blood pressure and pulse rate, and unconsciousness. Breathing lower levels of this pollutant may cause irritation of the eyes, nose, and throat.[27]

Acetaldehyde

Acetaldehyde is a colorless, volatile liquid with a characteristic pungent, fruity odor. Acetaldehyde is used primarily as a chemical intermediate in the production of acetic acid and as a synthetic flavoring agent. Acetaldehyde is released to the environment in vehicle exhaust and as a product of open burning of gas, fuel oil, and coal. Acute exposure to acetaldehyde can cause eye, nose, and throat irritation and subsequent inflammation of the eyes and coughing.[28]

Acrolein

Acrolein is a clear or yellow liquid with a disagreeable odor. Acrolein is used as an intermediate in the production of acrylic acid, as well as a pesticide to control algae, weeds, bacteria, and mollusks. Small amounts of acrolein can be formed and emitted into the air when trees, tobacco, other plants, gasoline, and oil are burned. Acrolein may also be released into the environment in emissions and effluents from manufacturing and use facilities and in emissions from combustion. Exposure to high concentrations of acrolein may damage the lungs and could cause death. Breathing lower amounts may cause watery eyes, burning of the nose and throat, and decreased breathing rate.[29]

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27 Agency for Toxic Substance and Disease Registry ToxFAQ for 1,3-Butadiene, https://www.atsdr.cdc.gov/substances/indexAZ.asp

28 National Center for Biotechnology Information, https://pubchem.ncbi.nlm.nih.gov/compound/Acetaldehyde

29 Agency for Toxic Substance and Disease Registry ToxFAQ for Acrolein, https://www.atsdr.cdc.gov/substances/indexAZ.asp

Benzene

Benzene is a volatile, colorless, flammable liquid that has a sweet odor. It is a chemical intermediate in the synthesis of compounds such as plastics, resins, nylon, synthetic fibers, synthetic rubber, lubricants, dyes, detergents, drugs, and pesticides. Major sources of atmospheric releases include vehicle exhaust emissions, evaporative gasoline fumes, emissions from vehicle service stations, and industrial emissions. Other sources of atmospheric benzene include cigarette smoke and landfill emissions. Acute inhalation exposure to benzene can result in death, while high levels can cause drowsiness, dizziness, rapid heart rate, headaches, tremors, confusion, and unconsciousness. Eating or drinking foods containing high levels of benzene can cause vomiting, irritation of the stomach, dizziness, sleepiness, convulsions, rapid heart rate, and death.[30]

Ethyl Benzene

Ethylbenzene is a colorless, flammable liquid that smells like gasoline. It is found in natural products such as coal tar and petroleum and is also found in manufactured products such as inks, insecticides, and paints. Ethylbenzene is used primarily to make styrene, another chemical. Other uses include as a solvent, in fuels, and to make other chemicals. You can smell ethylbenzene in the air at two parts of ethylbenzene per million parts of air (2 ppm). It evaporates at room temperature and burns easily. The median levels of ethylbenzene in air are 0.62 ppb in city and suburban locations.[31]

Formaldehyde

At room temperature, formaldehyde is a colorless, flammable gas with a distinct, pungent smell. Formaldehyde is a product of incomplete combustion and is emitted into the air by burning wood, coal, kerosene, and natural gas, by automobiles, and by cigarettes; it is also a naturally occurring substance. Formaldehyde can be released to soil, water, and air by industrial sources and can off-gas from materials made with it. Humans can be exposed to formaldehyde through inhalation of contaminated air and smog. Low levels of formaldehyde can cause irritation of the eyes, nose, throat, and skin. Some epidemiological studies found an increased incidence of nose and throat cancer in exposed individuals, but other studies could not confirm this finding.[32]

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30 Agency for Toxic Substance and Disease Registry ToxFAQ for Benzene, https://www.atsdr.cdc.gov/substances/indexAZ.asp

31 Agency for Toxic Substance and Disease Registry ToxFAQ for Ethyl Benzene, https://www.atsdr.cdc.gov/substances/indexAZ.asp

32 Agency for Toxic Substance and Disease Registry ToxFAQ for Formaldehyde, https://www.atsdr.cdc.gov/substances/indexAZ.asp

Methyl Alcohol

Methyl alcohol, or methanol, is a colorless, flammable liquid used to manufacture formaldehyde and acetic acid, in chemical synthesis, in antifreeze, and as a solvent. Methanol is released to the environment during industrial use and naturally from volcanic gases, vegetation, and microbes. Acute (short-term) or chronic (long-term) exposure of humans to methanol by inhalation of ingestions may result in blurred vision, headache, dizziness, and nausea. Methyl Alcohol is used as a solvent and as an intermediate in chemical synthesis.[33]

Naphthalene

Naphthalene is a white solid with the odor of mothballs or tar and is found naturally in fuels when they are burned. Burning tobacco or wood also produces naphthalene. The major commercial use of naphthalene is in the manufacture of polyvinyl chloride plastics. Naphthalene is released into the air through the burning of tobacco, wood, oil, and coal. Exposure to large amounts of naphthalene may damage or destroy some red blood cells. This condition is called hemolytic anemia, with symptoms including fatigue, lack of appetite, restlessness, and pale skin. Exposure to large amounts of naphthalene may also cause nausea, vomiting, diarrhea, blood in the urine, and a yellow color to the skin.[34]

Phenol

Phenol is both a manufactured chemical and a natural substance. It is a colorless-to-white solid when pure. Phenol has a distinct sickeningly sweet and tarry odor. You can taste and smell phenol at levels lower than those that are associated with harmful effects. Phenol evaporates more slowly than water, and a moderate amount can form a solution with water. Phenol is used primarily in the production of phenolic resins and in the manufacture of nylon and other synthetic fibers. It is also used in silicide's (chemicals that kill bacteria and fungi in slimes), as a disinfectant and antiseptic, and in medicinal preparations such as mouthwash and sore throat lozenges.[35]

Styrene

Styrene is primarily a synthetic chemical. It is a colorless liquid that evaporates easily and has a sweet smell. It often contains other chemicals that give it a sharp, unpleasant smell. It dissolves in some liquids but does not dissolve easily in water. It is used to make rubber, plastic, insulation, fiberglass, pipes,

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33 United States Environmental Protection Agency, Hazard Summary for Methanol, https://www.epa.gov/sites/production/files/2016-09/documents/methanol.pdf

34 Agency for Toxic Substance and Disease Registry ToxFAQ for Naphthalene, https://www.atsdr.cdc.gov/substances/indexAZ.asp

35 Agency for Toxic Substance and Disease Registry ToxFAQ for Phenol, https://www.atsdr.cdc.gov/substances/indexAZ.asp

automobile parts, food containers, and carpet backing. Low levels of styrene also occur naturally in a variety of foods such as fruits, vegetables, nuts, beverages, and meats.[36]

Toluene

Toluene is a colorless, clear liquid that occurs naturally in crude oil. It is also produced in the manufacturing of gasoline and other fuels from crude oil. Airport-related sources of toluene include aircraft, ground service equipment, motor vehicles, heating plants, and gasoline fuel storage tanks. Low to moderate levels of toluene can affect the nervous system and cause tiredness, confusion, weakness, memory loss, nausea, loss of appetite, and hearing and color vision loss. Inhaling high levels of toluene in a short time can make a person feel light-headed, dizzy, or sleepy, and can cause unconsciousness and death.[37]

Xylenes

There are three forms of xylene in which the methyl groups vary on the benzene ring: meta-xylene, ortho-xylene, and para-xylene (m-, o-, and p-xylene). These different forms are referred to as isomers. Xylene is a colorless, sweet-smelling liquid that catches on fire easily. It occurs naturally in petroleum and coal tar. Chemical industries produce xylene from petroleum. It is one of the top 30 chemicals produced in the United States in terms of volume. Xylene is used as a solvent and in the printing, rubber, and leather industries. It is also used as a cleaning agent, a thinner for paint, and in paints and varnishes. It is found in small amounts in airplane fuel and gasoline.[38]

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36 Agency for Toxic Substance and Disease Registry ToxFAQ for Styrene, https://www.atsdr.cdc.gov/substances/indexAZ.asp

37 Agency for Toxic Substance and Disease Registry ToxFAQ for Toluene, https://www.atsdr.cdc.gov/substances/indexAZ.asp

38 Agency for Toxic Substance and Disease Registry ToxFAQ for Xylene, https://www.atsdr.cdc.gov/substances/indexAZ.asp

Health Impacts from Construction Activities – Onsite Worker - Cancer Onsite Worker 0.58

Receptor Type	UTM X (m)	UTM Y (m)	2023	2024	2025	2026	2027	2028	Cancer Risk
Onsite Worker	444524	3767404	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	444303	3767501	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Onsite Worker	444197	3767544	0.02	0.01	0.00	0.00	0.00	0.00	0.04
Onsite Worker	444115	3767561	0.02	0.01	0.00	0.00	0.00	0.00	0.04
Onsite Worker	444059	3767586	0.02	0.01	0.00	0.00	0.01	0.01	0.04
Onsite Worker	443977	3767658	0.02	0.01	0.00	0.00	0.01	0.01	0.05
Onsite Worker	443903	3767686	0.01	0.01	0.01	0.00	0.01	0.01	0.05
Onsite Worker	443833	3767688	0.01	0.01	0.01	0.00	0.01	0.01	0.05
Onsite Worker	443775	3767730	0.01	0.01	0.01	0.00	0.01	0.02	0.05
Onsite Worker	443676	3767756	0.01	0.00	0.01	0.00	0.01	0.01	0.04
Onsite Worker	443345	3767796	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Onsite Worker	443551	3767527	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Onsite Worker	443070	3767783	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	442919	3767995	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	442917	3767813	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	442707	3767932	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442427	3767951	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442428	3767815	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442705	3767813	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	442661	3768141	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442413	3768108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442277	3768184	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442126	3768281	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	441908	3768481	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442044	3768264	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	441938	3768368	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445344	3767589	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445533	3767589	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445302	3767408	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445478	3767455	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445504	3767254	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444769	3767275	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	444972	3767199	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445130	3767094	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445765	3767560	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445756	3767341	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445761	3767148	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445899	3767557	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445899	3767355	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445908	3767139	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446199	3767520	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446253	3767266	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447119	3767950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447116	3767769	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447299	3767950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447302	3767780	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447522	3767824	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446959	3767583	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447103	3767575	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447286	3767578	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447499	3767578	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446980	3767442	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447140	3767439	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447328	3767442	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446951	3767277	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447145	3767263	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Onsite Worker	447312	3767277	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446552	3767022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446631	3766876	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446600	3767544	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446932	3767104	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447921	3768348	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447913	3768168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	448042	3768107	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	448047	3768320	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447937	3767968	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447903	3768542	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	448073	3768534	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	448042	3768773	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447727	3768794	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447727	3768977	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447926	3768909	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447696	3769245	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447887	3769250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447541	3769216	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447308	3769237	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442161	3769062	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442164	3769146	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442064	3769145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442063	3769053	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442441	3769315	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442498	3769317	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442922	3769310	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443012	3769315	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442839	3769271	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442663	3769305	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442552	3769305	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442606	3769304	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443123	3769515	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443235	3769522	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443331	3769534	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443336	3769488	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443331	3769443	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443328	3769400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443225	3769409	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443231	3769447	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443116	3769427	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443451	3769430	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443457	3769520	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443449	3769588	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443551	3769609	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443569	3769505	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443506	3769455	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443519	3769403	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443583	3769444	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443781	3769458	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443728	3769440	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443686	3769530	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443720	3769585	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443792	3769580	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443793	3769660	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443721	3769645	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443718	3769705	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443846	3769642	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Onsite Worker	444214	3769619	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444233	3769570	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444284	3769593	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444368	3769641	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444441	3769680	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444341	3769707	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444286	3769692	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444232	3769766	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444137	3769729	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444127	3769357	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444001	3769616	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444796	3769653	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444957	3769678	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445654	3769495	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445633	3769398	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445568	3769700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446123	3769376	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446110	3769504	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446124	3769601	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446128	3769681	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446291	3769519	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446393	3769599	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446455	3769597	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446483	3769528	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446307	3769445	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446644	3769436	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446532	3769367	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446608	3769373	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446769	3769460	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447203	3769414	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447145	3769571	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446990	3769579	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447256	3769625	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442659	3769073	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442748	3769070	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442858	3769073	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442951	3769079	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443098	3769168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443190	3769029	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443222	3769162	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443340	3769142	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443340	3769021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443525	3769119	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443693	3768868	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443800	3768914	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443863	3768978	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444031	3769136	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444305	3769050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	444778	3769018	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	444897	3769015	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	445070	3769006	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	445613	3768992	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	445711	3768995	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	445804	3769001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445913	3768995	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445728	3767932	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Onsite Worker	445737	3767791	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443364	3768091	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Onsite Worker	443517	3768004	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Onsite Worker	443713	3768178	0.00	0.00	0.01	0.00	0.01	0.02	0.05
Onsite Worker	443909	3768143	0.01	0.01	0.08	0.03	0.19	0.20	0.53
Onsite Worker	443892	3768079	0.01	0.01	0.09	0.03	0.20	0.21	0.53
Onsite Worker	444007	3768155	0.01	0.01	0.09	0.03	0.20	0.21	0.56
Onsite Worker	444033	3768004	0.02	0.02	0.09	0.03	0.21	0.22	0.58
Onsite Worker	444501	3767872	0.21	0.14	0.00	0.00	0.00	0.00	0.37
Onsite Worker	444247	3768071	0.20	0.14	0.01	0.00	0.03	0.03	0.42

Health Impacts from Construction Activities – Onsite Worker - Chronic

Onsite Worker 0.01

Receptor Type	UTM X (m)	UTM Y (m)	2023	2024	2025	2026	2027	2028	Chronic Impact
Onsite Worker	444524	3767404	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444303	3767501	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444197	3767544	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444115	3767561	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444059	3767586	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443977	3767658	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443903	3767686	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443833	3767688	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443775	3767730	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443676	3767756	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443345	3767796	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443551	3767527	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443070	3767783	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442919	3767995	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442917	3767813	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442707	3767932	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442427	3767951	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442428	3767815	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442705	3767813	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442661	3768141	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442413	3768108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442277	3768184	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442126	3768281	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	441908	3768481	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442044	3768264	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	441938	3768368	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445344	3767589	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445533	3767589	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445302	3767408	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445478	3767455	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445504	3767254	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444769	3767275	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444972	3767199	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445130	3767094	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445765	3767560	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445756	3767341	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445761	3767148	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445899	3767557	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445899	3767355	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445908	3767139	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446199	3767520	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446253	3767266	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447119	3767950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447116	3767769	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447299	3767950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447302	3767780	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447522	3767824	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446959	3767583	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447103	3767575	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447286	3767578	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447499	3767578	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446980	3767442	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447140	3767439	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447328	3767442	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446951	3767277	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447145	3767263	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Onsite Worker	447312	3767277	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446552	3767022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446631	3766876	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446600	3767544	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446932	3767104	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447921	3768348	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447913	3768168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	448042	3768107	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	448047	3768320	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447937	3767968	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447903	3768542	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	448073	3768534	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	448042	3768773	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447727	3768794	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447727	3768977	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447926	3768909	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447696	3769245	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447887	3769250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447541	3769216	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447308	3769237	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442161	3769062	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442164	3769146	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442064	3769145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442063	3769053	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442441	3769315	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442498	3769317	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442922	3769310	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443012	3769315	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442839	3769271	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442663	3769305	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442552	3769305	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442606	3769304	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443123	3769515	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443235	3769522	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443331	3769534	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443336	3769488	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443331	3769443	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443328	3769400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443225	3769409	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443231	3769447	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443116	3769427	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443451	3769430	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443457	3769520	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443449	3769588	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443551	3769609	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443569	3769505	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443506	3769455	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443519	3769403	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443583	3769444	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443781	3769458	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443728	3769440	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443686	3769530	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443720	3769585	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443792	3769580	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443793	3769660	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443721	3769645	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443718	3769705	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443846	3769642	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Onsite Worker	444214	3769619	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444233	3769570	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444284	3769593	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444368	3769641	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444441	3769680	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444341	3769707	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444286	3769692	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444232	3769766	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444137	3769729	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444127	3769357	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444001	3769616	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444796	3769653	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444957	3769678	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445654	3769495	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445633	3769398	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445568	3769700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446123	3769376	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446110	3769504	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446124	3769601	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446128	3769681	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446291	3769519	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446393	3769599	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446455	3769597	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446483	3769528	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446307	3769445	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446644	3769436	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446532	3769367	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446608	3769373	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446769	3769460	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447203	3769414	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447145	3769571	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	446990	3769579	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	447256	3769625	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442659	3769073	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442748	3769070	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442858	3769073	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	442951	3769079	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443098	3769168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443190	3769029	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443222	3769162	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443340	3769142	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443340	3769021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443525	3769119	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443693	3768868	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443800	3768914	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443863	3768978	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444031	3769136	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444305	3769050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444778	3769018	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	444897	3769015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445070	3769006	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445613	3768992	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445711	3768995	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445804	3769001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445913	3768995	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445728	3767932	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	445737	3767791	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443364	3768091	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Onsite Worker	443517	3768004	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443713	3768178	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite Worker	443909	3768143	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Onsite Worker	443892	3768079	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Onsite Worker	444007	3768155	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Onsite Worker	444033	3768004	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Onsite Worker	444501	3767872	0.01	0.01	0.00	0.00	0.00	0.00	0.01
Onsite Worker	444247	3768071	0.01	0.01	0.00	0.00	0.00	0.00	0.01

									Offsite Worker	0.06
Health Impacts from Construction Activities – Offsite Worker and Residence - Cancer									Residence	0.06
Receptor Type	**UTM X (m)**	**UTM Y (m)**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**Cancer Risk**	
Offsite Worker	443,250	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,300	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,350	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,400	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,450	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,500	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,550	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,650	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,700	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,750	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,800	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,850	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,900	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,950	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	444,000	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,250	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,300	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,350	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,400	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,450	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,500	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,550	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,650	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,700	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,750	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,800	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,850	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,900	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,950	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	444,000	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,250	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,300	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,350	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,400	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,450	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,500	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,550	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,650	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,700	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,750	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,800	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443,850	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443900	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443950	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	444000	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443250	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443300	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443350	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443400	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443450	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443500	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443550	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443650	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443700	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
Offsite Worker	443750	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01	

Offsite Worker	443800	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443850	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443900	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443950	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444000	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443250	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443400	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443450	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443500	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443550	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443650	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443700	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443750	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443800	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443850	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443900	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443950	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444000	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443250	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443400	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443450	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443500	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443550	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443650	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443700	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443750	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443800	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443850	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443900	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443950	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444000	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443250	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443400	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443450	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443500	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443550	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443650	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443700	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443750	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443800	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443850	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443900	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443950	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444000	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443250	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443400	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443450	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443500	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443550	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443650	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Offsite Worker	443700	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443750	3767150	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443800	3767150	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443850	3767150	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443900	3767150	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443950	3767150	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444000	3767150	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443250	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443400	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443450	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443500	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443550	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443650	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443700	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443750	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443800	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443850	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443900	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443950	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444000	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443250	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443400	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443450	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443500	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443550	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443650	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443700	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443750	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443800	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443850	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443900	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443950	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444000	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443250	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443400	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443450	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443500	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443550	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443650	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443700	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443750	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443800	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443850	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443900	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443950	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444000	3767300	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443250	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443400	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443450	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443500	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.02

Offsite Worker	443550	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443650	3767350	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443700	3767350	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443750	3767350	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443800	3767350	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443850	3767350	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443900	3767350	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443950	3767350	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444000	3767350	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443250	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443400	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443450	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443500	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443550	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443650	3767400	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443700	3767400	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443750	3767400	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443800	3767400	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443850	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443900	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443950	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444000	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443250	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443400	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443450	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443500	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443550	3767450	0.00	0.00	0.00	0.00	0.00	0.01	0.02
Offsite Worker	443650	3767450	0.01	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443700	3767450	0.01	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443750	3767450	0.01	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443800	3767450	0.01	0.01	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443850	3767450	0.01	0.01	0.00	0.00	0.00	0.01	0.03
Offsite Worker	443900	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	443950	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444000	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	443250	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443400	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443450	3767500	0.00	0.00	0.00	0.00	0.00	0.01	0.02
Offsite Worker	443500	3767500	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443550	3767500	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443650	3767500	0.01	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443700	3767500	0.01	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443750	3767500	0.01	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443800	3767500	0.01	0.01	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443850	3767500	0.01	0.01	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443900	3767500	0.01	0.01	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443950	3767500	0.01	0.01	0.00	0.00	0.01	0.01	0.03
Offsite Worker	444000	3767500	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	443250	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443400	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.02

Offsite Worker	443450	3767550	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443500	3767550	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443550	3767550	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443650	3767550	0.01	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443700	3767550	0.01	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443750	3767550	0.01	0.01	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443800	3767550	0.01	0.01	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443850	3767550	0.01	0.01	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443900	3767550	0.01	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	443950	3767550	0.01	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	444000	3767550	0.01	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	443250	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443350	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443400	3767600	0.00	0.00	0.00	0.00	0.00	0.01	0.02
Offsite Worker	443450	3767600	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443500	3767600	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443550	3767600	0.00	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443650	3767600	0.01	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443700	3767600	0.01	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443750	3767600	0.01	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	443800	3767600	0.01	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	443850	3767600	0.01	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	443900	3767600	0.01	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	443950	3767600	0.01	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	444000	3767600	0.01	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	443250	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443350	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443400	3767650	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443450	3767650	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443500	3767650	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443550	3767650	0.00	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443650	3767650	0.01	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443700	3767650	0.01	0.00	0.00	0.00	0.01	0.01	0.04
Offsite Worker	443750	3767650	0.01	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	443800	3767650	0.01	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	443850	3767650	0.01	0.01	0.00	0.00	0.01	0.01	0.05
Offsite Worker	443900	3767650	0.01	0.01	0.00	0.00	0.01	0.01	0.05
Offsite Worker	443950	3767650	0.01	0.01	0.00	0.00	0.01	0.01	0.05
Offsite Worker	444000	3767650	0.02	0.01	0.00	0.00	0.01	0.01	0.05
Offsite Worker	443250	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443350	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443400	3767700	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443450	3767700	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443500	3767700	0.00	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443550	3767700	0.00	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443650	3767700	0.01	0.00	0.00	0.00	0.01	0.01	0.04
Offsite Worker	443700	3767700	0.01	0.00	0.00	0.00	0.01	0.01	0.04
Offsite Worker	443750	3767700	0.01	0.01	0.01	0.00	0.01	0.01	0.05
Offsite Worker	443800	3767700	0.01	0.01	0.01	0.00	0.01	0.01	0.05
Offsite Worker	443850	3767700	0.01	0.01	0.01	0.00	0.01	0.01	0.05
Offsite Worker	443900	3767700	0.01	0.01	0.01	0.00	0.01	0.01	0.06
Offsite Worker	443250	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443400	3767750	0.00	0.00	0.00	0.00	0.01	0.01	0.02

Offsite Worker	443450	3767750	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443500	3767750	0.00	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443550	3767750	0.00	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443650	3767750	0.01	0.00	0.01	0.00	0.01	0.01	0.04
Offsite Worker	443700	3767750	0.01	0.00	0.01	0.00	0.01	0.01	0.05
Offsite Worker	443750	3767750	0.01	0.01	0.01	0.00	0.02	0.02	0.05
Offsite Worker	443800	3767750	0.01	0.01	0.01	0.00	0.02	0.02	0.06
Offsite Worker	443250	3767800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767800	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443400	3767800	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443450	3767800	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443500	3767800	0.00	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443550	3767800	0.00	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443650	3767800	0.01	0.00	0.01	0.00	0.01	0.01	0.04
Offsite Worker	443250	3767850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767850	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443400	3767850	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443450	3767850	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Offsite Worker	443500	3767850	0.00	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443550	3767850	0.00	0.00	0.00	0.00	0.01	0.01	0.03
Offsite Worker	443250	3767900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443350	3767900	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	443400	3767900	0.00	0.00	0.00	0.00	0.00	0.01	0.02
Offsite Worker	443250	3767950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	443300	3767950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444050	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444100	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444150	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444200	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444250	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444300	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444350	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444400	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444450	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444500	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444550	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444650	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444700	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444100	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444150	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444200	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444250	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444300	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Offsite Worker	444350	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444400	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444450	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444500	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444550	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444650	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444700	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444100	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444150	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444200	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444250	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444300	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444350	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444400	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444450	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444500	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444550	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444650	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444700	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444100	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444150	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444200	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444250	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444300	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444350	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444400	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444450	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444500	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444550	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444650	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444700	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444750	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	444850	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444100	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444150	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444200	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444250	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444300	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444350	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444400	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444450	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444500	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444550	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444650	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444700	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444750	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444800	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444100	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444150	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444200	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444250	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444300	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444350	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444400	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444450	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444500	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444550	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444650	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444700	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444750	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444800	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444100	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Offsite Worker	444150	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444200	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444250	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444300	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444350	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444400	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444450	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444500	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444550	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444650	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444700	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444750	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444800	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444850	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767150	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444100	3767150	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444150	3767150	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444200	3767150	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444250	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444300	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444350	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444400	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444450	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444500	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444550	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444650	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444700	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444750	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444800	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444850	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444900	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444100	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444150	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444200	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444250	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444300	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444350	3767200	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444400	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444450	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444500	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444550	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Offsite Worker	444650	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444700	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444750	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444800	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444850	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444900	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444950	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444100	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444150	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444200	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444250	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444300	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444350	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444400	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444450	3767250	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444500	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444550	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444650	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444700	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444750	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444800	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444850	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444900	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444950	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767300	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444100	3767300	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444150	3767300	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444200	3767300	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444250	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444300	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444350	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444400	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444450	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444500	3767300	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444550	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444650	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444700	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444750	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444800	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444850	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444900	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444050	3767350	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444100	3767350	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444150	3767350	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444200	3767350	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444250	3767350	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444300	3767350	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444350	3767350	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444400	3767350	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444450	3767350	0.01	0.00	0.00	0.00	0.00	0.00	0.01

Offsite Worker	444500	3767350	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444550	3767350	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444650	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444700	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444750	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444050	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444100	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444150	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444200	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444250	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444300	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444350	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444400	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444450	3767400	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444500	3767400	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444550	3767400	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444600	3767400	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444650	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	444050	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444100	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444150	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444200	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444250	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444300	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444350	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444400	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444450	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444500	3767450	0.01	0.01	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444550	3767450	0.01	0.00	0.00	0.00	0.00	0.00	0.02
Offsite Worker	444050	3767500	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444100	3767500	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444150	3767500	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444200	3767500	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444250	3767500	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444300	3767500	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444350	3767500	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444400	3767500	0.01	0.01	0.00	0.00	0.00	0.00	0.03
Offsite Worker	444050	3767550	0.01	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	444100	3767550	0.02	0.01	0.00	0.00	0.00	0.00	0.04
Offsite Worker	444150	3767550	0.02	0.01	0.00	0.00	0.00	0.00	0.04
Offsite Worker	444200	3767550	0.02	0.01	0.00	0.00	0.00	0.00	0.04
Offsite Worker	444250	3767550	0.02	0.01	0.00	0.00	0.00	0.00	0.04
Offsite Worker	444300	3767550	0.02	0.01	0.00	0.00	0.00	0.00	0.04
Offsite Worker	444050	3767600	0.02	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	444100	3767600	0.02	0.01	0.00	0.00	0.01	0.01	0.04
Offsite Worker	444150	3767600	0.02	0.01	0.00	0.00	0.00	0.00	0.04
Offsite Worker	444050	3767650	0.02	0.01	0.00	0.00	0.01	0.01	0.05
Offsite Worker	445300	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	445800	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	445600	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	445650	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	445850	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	446050	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Offsite Worker	445350	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residence	445968	3767800	0.06	0.03	0.01	0.02	0.03	0.01	0.06

									Offsite Worker	0.00
Health Impacts from Construction Activities – Offsite Worker and Residence - Chronic									Residence	0.00
Receptor Type	**UTM X (m)**	**UTM Y (m)**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**Chronic Impact**	
Offsite Worker	443,250	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,300	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,350	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,400	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,450	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,500	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,550	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,650	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,700	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,750	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,800	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,850	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,900	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,950	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	444,000	3,766,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,250	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,300	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,350	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,400	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,450	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,500	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,550	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,650	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,700	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,750	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,800	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,850	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,900	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,950	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	444,000	3,766,850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,250	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,300	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,350	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,400	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,450	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,500	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,550	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,650	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,700	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,750	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,800	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443,850	3,766,900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443900	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443950	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	444000	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443250	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443300	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443350	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443400	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443450	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443500	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443550	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443650	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443700	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite Worker	443750	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Offsite Worker	443800	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443850	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443900	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443950	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444000	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443450	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443500	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443550	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443650	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443700	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443750	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443800	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443850	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443900	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443950	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444000	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443450	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443500	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443550	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443650	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443700	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443750	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443800	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443850	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443900	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443950	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444000	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443450	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443500	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443550	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443650	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443700	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443750	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443800	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443850	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443900	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443950	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444000	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443450	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443500	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443550	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443650	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	443700	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443750	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443800	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443850	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443900	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443950	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444000	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443450	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443500	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443550	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443650	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443700	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443750	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443800	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443850	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	443950	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444000	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	443650	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443700	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443750	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	443850	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443900	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443950	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444000	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443450	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443500	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443550	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443650	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443700	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443750	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443800	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443850	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443900	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443950	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444000	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	443700	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	444000	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	443550	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443650	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443700	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	444000	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	443250	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	443950	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444000	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	443650	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443700	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443750	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443800	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443850	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443900	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443950	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444000	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443450	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443500	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443550	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443650	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443700	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443750	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443800	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443850	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443900	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443950	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444000	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443450	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443500	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443550	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443650	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443700	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443750	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443800	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443850	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443900	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443950	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444000	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443450	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443500	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443550	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443650	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443700	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443750	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443800	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443850	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443900	3767700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	443450	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443500	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443550	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443650	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443700	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443750	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443800	3767750	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443450	3767800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443500	3767800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443550	3767800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443650	3767800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443450	3767850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443500	3767850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443550	3767850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443350	3767900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443400	3767900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443250	3767950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	443300	3767950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444400	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444450	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444500	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444550	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444600	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444650	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444700	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	444350	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444400	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444450	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444500	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444550	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444600	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444650	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444700	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444400	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444450	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444500	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444550	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444600	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444650	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444700	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	445150	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444400	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444450	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444500	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444550	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444600	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444650	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444700	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	444850	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444400	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444450	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444500	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444550	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444600	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444650	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444700	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444400	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444450	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444500	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444550	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444600	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444650	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444700	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	444150	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444400	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444450	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444500	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444550	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444600	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444650	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444700	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445200	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444400	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	444650	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444700	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	444950	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	445150	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	444150	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444400	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444450	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444500	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444550	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444600	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Offsite Worker	444750	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	444950	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445050	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445100	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445150	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444400	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444450	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444500	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444550	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444600	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444650	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444700	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444950	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445000	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	444500	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444550	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444600	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444650	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	444750	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444800	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444850	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444900	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	444350	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	444550	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444600	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444650	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444700	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444750	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444400	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444450	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444500	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444550	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444600	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444650	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444400	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444450	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444500	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444550	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444100	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444300	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444350	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	444100	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444200	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444250	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Offsite Worker	444100	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444150	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	444050	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	445800	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3766800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3766850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3766900	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3766950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	445600	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	445650	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767250	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	445850	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite Worker	446050	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445300	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445350	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445400	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445450	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445500	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445550	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445600	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445650	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445700	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445750	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445800	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445850	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445900	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	445950	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446000	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446050	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446100	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite Worker	446150	3767650	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residence	445968	3767800	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Health Impacts from Operational Activities Project Compared to Baseline – Residence and School - Cancer

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
R01	1,429	-739	445,947	3,767,790	2.52	4.66
R02	3,484	-3,450	448,002	3,765,079	0.16	0.24
R03	2,605	-3,150	447,123	3,765,379	0.27	0.33
R04	1,525	-2,879	446,043	3,765,650	0.42	0.61
R05	-1,580	-2,471	442,938	3,766,057	0.66	1.15
R06	-3,026	-2,312	441,491	3,766,217	0.55	0.78
R07	-4,014	-652	440,503	3,767,877	0.33	0.42
R08	-2,481	-440	442,037	3,768,089	1.11	1.37
R09	-3,195	-178	441,322	3,768,350	0.55	0.71
R10	-3,174	-84	441,344	3,768,445	0.56	0.73
R11	-3,360	619	441,158	3,769,147	0.37	0.51
R12	-3,320	651	441,198	3,769,180	0.36	0.50
R13	-2,994	700	441,523	3,769,229	0.39	0.53
R14	-2,398	746	442,120	3,769,275	0.48	0.66
R15	-1,989	801	442,529	3,769,330	0.63	0.82
R16	-599	1,196	443,919	3,769,725	1.00	1.31
R17	364	1,557	444,882	3,770,086	0.97	1.21
R18	1,506	1,549	446,024	3,770,078	1.14	1.43
R19	2,792	1,931	447,309	3,770,459	0.78	1.09
R20	-3,406	221	441,112	3,768,750	0.47	0.62
R21	-2,618	371	441,900	3,768,900	0.77	0.95
R22	-2,518	471	442,000	3,769,000	0.72	0.89
R23	-4,318	247	440,200	3,768,776	0.30	0.40
R24	-5,208	37	439,310	3,768,566	0.22	0.28
R25	-4,465	-1,358	440,053	3,767,171	0.26	0.37
R26	-4,494	-2,183	440,024	3,766,346	0.28	0.41
R27	-4,079	-2,715	440,439	3,765,814	0.36	0.50
R28	-2,439	-3,174	442,079	3,765,355	0.47	0.76
R29	-726	-3,969	443,792	3,764,560	0.24	0.48
R30	917	-4,031	445,435	3,764,498	0.26	0.41
R31	2,569	-3,950	447,087	3,764,579	0.23	0.28
R32	3,822	3,039	448,340	3,771,568	0.40	0.58
R33	313	3,071	444,831	3,771,600	0.29	0.37
R34	-819	2,823	443,699	3,771,352	0.21	0.31
R35	-1,475	2,426	443,043	3,770,955	0.22	0.31
R36	-3,640	2,426	440,878	3,770,955	0.11	0.17
S1	-4,119	-1,686	440,399	3,766,843	0.18	0.25
S2	-4,255	-1,885	440,262	3,766,643	0.17	0.24
S3	-4,222	-890	440,296	3,767,639	0.16	0.21
S4	-3,905	1,397	440,612	3,769,926	0.09	0.13
S5	-3,319	1,201	441,199	3,769,730	0.11	0.16
H1	-700	-2,595	443,818	3,765,934	0.33	0.57

Health Impacts from Operational Activities Project Compared to Baseline – Residence and School - Chronic

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
R01	1,429	-739	445,947	3,767,790	0.02	0.03
R02	3,484	-3,450	448,002	3,765,079	0.00	0.00
R03	2,605	-3,150	447,123	3,765,379	0.00	0.00
R04	1,525	-2,879	446,043	3,765,650	0.00	0.00
R05	-1,580	-2,471	442,938	3,766,057	0.00	0.01
R06	-3,026	-2,312	441,491	3,766,217	0.00	0.01
R07	-4,014	-652	440,503	3,767,877	0.00	0.00
R08	-2,481	-440	442,037	3,768,089	0.01	0.01
R09	-3,195	-178	441,322	3,768,350	0.00	0.00
R10	-3,174	-84	441,344	3,768,445	0.00	0.01
R11	-3,360	619	441,158	3,769,147	0.00	0.00
R12	-3,320	651	441,198	3,769,180	0.00	0.00
R13	-2,994	700	441,523	3,769,229	0.00	0.00
R14	-2,398	746	442,120	3,769,275	0.00	0.00
R15	-1,989	801	442,529	3,769,330	0.00	0.01
R16	-599	1,196	443,919	3,769,725	0.01	0.01
R17	364	1,557	444,882	3,770,086	0.01	0.01
R18	1,506	1,549	446,024	3,770,078	0.01	0.01
R19	2,792	1,931	447,309	3,770,459	0.01	0.01
R20	-3,406	221	441,112	3,768,750	0.00	0.00
R21	-2,618	371	441,900	3,768,900	0.01	0.01
R22	-2,518	471	442,000	3,769,000	0.01	0.01
R23	-4,318	247	440,200	3,768,776	0.00	0.00
R24	-5,208	37	439,310	3,768,566	0.00	0.00
R25	-4,465	-1,358	440,053	3,767,171	0.00	0.00
R26	-4,494	-2,183	440,024	3,766,346	0.00	0.00
R27	-4,079	-2,715	440,439	3,765,814	0.00	0.00
R28	-2,439	-3,174	442,079	3,765,355	0.00	0.01
R29	-726	-3,969	443,792	3,764,560	0.00	0.00
R30	917	-4,031	445,435	3,764,498	0.00	0.00
R31	2,569	-3,950	447,087	3,764,579	0.00	0.00
R32	3,822	3,039	448,340	3,771,568	0.00	0.00
R33	313	3,071	444,831	3,771,600	0.00	0.00
R34	-819	2,823	443,699	3,771,352	0.00	0.00
R35	-1,475	2,426	443,043	3,770,955	0.00	0.00
R36	-3,640	2,426	440,878	3,770,955	0.00	0.00
S1	-4,119	-1,686	440,399	3,766,843	0.00	0.00
S2	-4,255	-1,885	440,262	3,766,643	0.00	0.00
S3	-4,222	-890	440,296	3,767,639	0.00	0.00
S4	-3,905	1,397	440,612	3,769,926	0.00	0.00
S5	-3,319	1,201	441,199	3,769,730	0.00	0.00
H1	-700	-2,595	443,818	3,765,934	0.00	0.01

Health Impacts from Operational Activities Project Compared to Baseline – Residence and School - Acute

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
R01	1,429	-739	445,947	3,767,790	-0.08	0.06
R02	3,484	-3,450	448,002	3,765,079	0.01	0.00
R03	2,605	-3,150	447,123	3,765,379	-0.03	-0.01
R04	1,525	-2,879	446,043	3,765,650	0.03	0.05
R05	-1,580	-2,471	442,938	3,766,057	-0.01	0.04
R06	-3,026	-2,312	441,491	3,766,217	0.02	0.06
R07	-4,014	-652	440,503	3,767,877	-0.02	0.05
R08	-2,481	-440	442,037	3,768,089	-0.07	0.06
R09	-3,195	-178	441,322	3,768,350	0.11	0.18
R10	-3,174	-84	441,344	3,768,445	0.15	0.21
R11	-3,360	619	441,158	3,769,147	0.14	0.10
R12	-3,320	651	441,198	3,769,180	0.13	0.09
R13	-2,994	700	441,523	3,769,229	0.12	0.08
R14	-2,398	746	442,120	3,769,275	0.10	0.03
R15	-1,989	801	442,529	3,769,330	0.06	0.01
R16	-599	1,196	443,919	3,769,725	0.01	-0.02
R17	364	1,557	444,882	3,770,086	0.01	-0.01
R18	1,506	1,549	446,024	3,770,078	0.03	0.05
R19	2,792	1,931	447,309	3,770,459	-0.01	0.03
R20	-3,406	221	441,112	3,768,750	0.16	0.16
R21	-2,618	371	441,900	3,768,900	0.30	0.22
R22	-2,518	471	442,000	3,769,000	0.21	0.15
R23	-4,318	247	440,200	3,768,776	0.11	0.09
R24	-5,208	37	439,310	3,768,566	0.08	0.09
R25	-4,465	-1,358	440,053	3,767,171	0.00	0.05
R26	-4,494	-2,183	440,024	3,766,346	0.01	0.02
R27	-4,079	-2,715	440,439	3,765,814	-0.01	0.01
R28	-2,439	-3,174	442,079	3,765,355	0.00	0.03
R29	-726	-3,969	443,792	3,764,560	0.01	0.00
R30	917	-4,031	445,435	3,764,498	0.04	0.04
R31	2,569	-3,950	447,087	3,764,579	-0.03	-0.01
R32	3,822	3,039	448,340	3,771,568	-0.01	0.00
R33	313	3,071	444,831	3,771,600	-0.01	-0.02
R34	-819	2,823	443,699	3,771,352	0.01	-0.01
R35	-1,475	2,426	443,043	3,770,955	0.00	-0.01
R36	-3,640	2,426	440,878	3,770,955	0.01	0.04
S1	-4,119	-1,686	440,399	3,766,843	0.01	0.02
S2	-4,255	-1,885	440,262	3,766,643	0.02	0.03
S3	-4,222	-890	440,296	3,767,639	-0.03	0.01
S4	-3,905	1,397	440,612	3,769,926	0.04	-0.01
S5	-3,319	1,201	441,199	3,769,730	0.05	-0.02
H1	-700	-2,595	443,818	3,765,934	-0.01	0.01

Health Impacts from Operational Activities Project Compared to Without Project – Residence and School - Cancer

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
R01	1,429	-739	445,947	3,767,790	2.02	3.20
R02	3,484	-3,450	448,002	3,765,079	0.13	0.25
R03	2,605	-3,150	447,123	3,765,379	0.19	0.39
R04	1,525	-2,879	446,043	3,765,650	0.35	0.68
R05	-1,580	-2,471	442,938	3,766,057	0.66	0.90
R06	-3,026	-2,312	441,491	3,766,217	0.36	0.36
R07	-4,014	-652	440,503	3,767,877	0.23	0.14
R08	-2,481	-440	442,037	3,768,089	0.44	0.28
R09	-3,195	-178	441,322	3,768,350	0.30	0.21
R10	-3,174	-84	441,344	3,768,445	0.29	0.23
R11	-3,360	619	441,158	3,769,147	0.17	0.19
R12	-3,320	651	441,198	3,769,180	0.17	0.18
R13	-2,994	700	441,523	3,769,229	0.17	0.17
R14	-2,398	746	442,120	3,769,275	0.20	0.13
R15	-1,989	801	442,529	3,769,330	0.22	0.13
R16	-599	1,196	443,919	3,769,725	0.32	0.09
R17	364	1,557	444,882	3,770,086	0.37	0.12
R18	1,506	1,549	446,024	3,770,078	0.56	-0.71
R19	2,792	1,931	447,309	3,770,459	0.50	-1.01
R20	-3,406	221	441,112	3,768,750	0.23	0.25
R21	-2,618	371	441,900	3,768,900	0.28	0.29
R22	-2,518	471	442,000	3,769,000	0.25	0.24
R23	-4,318	247	440,200	3,768,776	0.17	0.17
R24	-5,208	37	439,310	3,768,566	0.14	0.12
R25	-4,465	-1,358	440,053	3,767,171	0.18	0.15
R26	-4,494	-2,183	440,024	3,766,346	0.16	0.15
R27	-4,079	-2,715	440,439	3,765,814	0.21	0.20
R28	-2,439	-3,174	442,079	3,765,355	0.41	0.52
R29	-726	-3,969	443,792	3,764,560	0.28	0.52
R30	917	-4,031	445,435	3,764,498	0.24	0.38
R31	2,569	-3,950	447,087	3,764,579	0.17	0.28
R32	3,822	3,039	448,340	3,771,568	0.25	-0.19
R33	313	3,071	444,831	3,771,600	0.15	0.11
R34	-819	2,823	443,699	3,771,352	0.10	0.12
R35	-1,475	2,426	443,043	3,770,955	0.11	0.11
R36	-3,640	2,426	440,878	3,770,955	0.06	0.06
S1	-4,119	-1,686	440,399	3,766,843	0.10	0.09
S2	-4,255	-1,885	440,262	3,766,643	0.10	0.09
S3	-4,222	-890	440,296	3,767,639	0.11	0.08
S4	-3,905	1,397	440,612	3,769,926	0.05	0.04
S5	-3,319	1,201	441,199	3,769,730	0.06	0.04
H1	-700	-2,595	443,818	3,765,934	0.34	0.56

Health Impacts from Operational Activities Project Compared to Without Project – Residence and School - Chronic

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
R01	1,429	-739	445,947	3,767,790	0.01	0.02
R02	3,484	-3,450	448,002	3,765,079	0.00	0.00
R03	2,605	-3,150	447,123	3,765,379	0.00	0.00
R04	1,525	-2,879	446,043	3,765,650	0.00	0.00
R05	-1,580	-2,471	442,938	3,766,057	0.00	0.01
R06	-3,026	-2,312	441,491	3,766,217	0.00	0.00
R07	-4,014	-652	440,503	3,767,877	0.00	0.00
R08	-2,481	-440	442,037	3,768,089	0.00	0.00
R09	-3,195	-178	441,322	3,768,350	0.00	0.00
R10	-3,174	-84	441,344	3,768,445	0.00	0.00
R11	-3,360	619	441,158	3,769,147	0.00	0.00
R12	-3,320	651	441,198	3,769,180	0.00	0.00
R13	-2,994	700	441,523	3,769,229	0.00	0.00
R14	-2,398	746	442,120	3,769,275	0.00	0.00
R15	-1,989	801	442,529	3,769,330	0.00	0.00
R16	-599	1,196	443,919	3,769,725	0.00	0.00
R17	364	1,557	444,882	3,770,086	0.00	0.00
R18	1,506	1,549	446,024	3,770,078	0.00	0.00
R19	2,792	1,931	447,309	3,770,459	0.00	-0.01
R20	-3,406	221	441,112	3,768,750	0.00	0.00
R21	-2,618	371	441,900	3,768,900	0.00	0.00
R22	-2,518	471	442,000	3,769,000	0.00	0.00
R23	-4,318	247	440,200	3,768,776	0.00	0.00
R24	-5,208	37	439,310	3,768,566	0.00	0.00
R25	-4,465	-1,358	440,053	3,767,171	0.00	0.00
R26	-4,494	-2,183	440,024	3,766,346	0.00	0.00
R27	-4,079	-2,715	440,439	3,765,814	0.00	0.00
R28	-2,439	-3,174	442,079	3,765,355	0.00	0.00
R29	-726	-3,969	443,792	3,764,560	0.00	0.00
R30	917	-4,031	445,435	3,764,498	0.00	0.00
R31	2,569	-3,950	447,087	3,764,579	0.00	0.00
R32	3,822	3,039	448,340	3,771,568	0.00	0.00
R33	313	3,071	444,831	3,771,600	0.00	0.00
R34	-819	2,823	443,699	3,771,352	0.00	0.00
R35	-1,475	2,426	443,043	3,770,955	0.00	0.00
R36	-3,640	2,426	440,878	3,770,955	0.00	0.00
S1	-4,119	-1,686	440,399	3,766,843	0.00	0.00
S2	-4,255	-1,885	440,262	3,766,643	0.00	0.00
S3	-4,222	-890	440,296	3,767,639	0.00	0.00
S4	-3,905	1,397	440,612	3,769,926	0.00	0.00
S5	-3,319	1,201	441,199	3,769,730	0.00	0.00
H1	-700	-2,595	443,818	3,765,934	0.00	0.01

Health Impacts from Operational Activities Project Compared to Without Project – Residence and School - Acute

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
R01	1,429	-739	445,947	3,767,790	-0.03	0.13
R02	3,484	-3,450	448,002	3,765,079	0.02	0.03
R03	2,605	-3,150	447,123	3,765,379	0.01	0.01
R04	1,525	-2,879	446,043	3,765,650	0.00	0.01
R05	-1,580	-2,471	442,938	3,766,057	0.04	0.01
R06	-3,026	-2,312	441,491	3,766,217	0.05	0.01
R07	-4,014	-652	440,503	3,767,877	0.04	0.05
R08	-2,481	-440	442,037	3,768,089	0.07	0.11
R09	-3,195	-178	441,322	3,768,350	0.09	0.10
R10	-3,174	-84	441,344	3,768,445	0.09	0.11
R11	-3,360	619	441,158	3,769,147	0.00	-0.06
R12	-3,320	651	441,198	3,769,180	0.00	-0.05
R13	-2,994	700	441,523	3,769,229	0.00	-0.05
R14	-2,398	746	442,120	3,769,275	0.04	-0.04
R15	-1,989	801	442,529	3,769,330	0.06	-0.04
R16	-599	1,196	443,919	3,769,725	-0.01	-0.04
R17	364	1,557	444,882	3,770,086	-0.01	-0.14
R18	1,506	1,549	446,024	3,770,078	0.00	-0.25
R19	2,792	1,931	447,309	3,770,459	0.01	-0.05
R20	-3,406	221	441,112	3,768,750	0.07	0.08
R21	-2,618	371	441,900	3,768,900	0.08	-0.07
R22	-2,518	471	442,000	3,769,000	0.02	-0.09
R23	-4,318	247	440,200	3,768,776	0.05	0.05
R24	-5,208	37	439,310	3,768,566	0.05	0.08
R25	-4,465	-1,358	440,053	3,767,171	0.01	0.05
R26	-4,494	-2,183	440,024	3,766,346	0.01	0.00
R27	-4,079	-2,715	440,439	3,765,814	0.01	0.00
R28	-2,439	-3,174	442,079	3,765,355	0.04	0.01
R29	-726	-3,969	443,792	3,764,560	0.00	-0.02
R30	917	-4,031	445,435	3,764,498	-0.01	-0.01
R31	2,569	-3,950	447,087	3,764,579	0.00	0.00
R32	3,822	3,039	448,340	3,771,568	0.00	-0.03
R33	313	3,071	444,831	3,771,600	0.00	-0.03
R34	-819	2,823	443,699	3,771,352	0.00	-0.06
R35	-1,475	2,426	443,043	3,770,955	0.00	-0.03
R36	-3,640	2,426	440,878	3,770,955	-0.01	0.01
S1	-4,119	-1,686	440,399	3,766,843	0.01	0.00
S2	-4,255	-1,885	440,262	3,766,643	0.00	0.00
S3	-4,222	-890	440,296	3,767,639	0.03	0.02
S4	-3,905	1,397	440,612	3,769,926	0.03	-0.02
S5	-3,319	1,201	441,199	3,769,730	0.04	-0.03
H1	-700	-2,595	443,818	3,765,934	0.00	-0.04

Health Impacts from Operational Activities Project Compared to Baseline – Onsite Worker - Cancer

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-1,858	544	442,660	3,769,073	0.10	0.12
2	-1,769	541	442,749	3,769,070	0.12	0.15
3	-1,659	544	442,859	3,769,073	0.14	0.18
4	-1,566	550	442,951	3,769,078	0.16	0.20
5	-1,419	639	443,099	3,769,168	0.13	0.17
6	-1,327	500	443,191	3,769,029	0.28	0.33
7	-1,295	633	443,223	3,769,162	0.15	0.20
8	-1,177	613	443,341	3,769,142	0.19	0.24
9	-1,177	492	443,341	3,769,021	0.33	0.39
10	-992	590	443,526	3,769,119	0.25	0.31
11	-824	339	443,693	3,768,868	0.80	0.91
12	-717	385	443,800	3,768,914	0.65	0.76
13	-654	449	443,864	3,768,977	0.50	0.59
14	-486	607	444,031	3,769,136	0.30	0.36
15	-212	521	444,306	3,769,050	0.40	0.47
16	261	489	444,779	3,769,018	0.37	0.43
17	380	486	444,898	3,769,015	0.37	0.42
18	553	477	445,071	3,769,006	0.37	0.43
19	1,096	463	445,614	3,768,992	0.38	0.41
20	1,194	466	445,712	3,768,995	0.36	0.37
21	1,287	472	445,804	3,769,000	0.34	0.34
22	1,396	466	445,914	3,768,995	0.34	0.30
23	1,211	-597	445,729	3,767,932	0.23	0.42
24	1,220	-738	445,738	3,767,791	0.18	0.33
25	-1,153	-438	443,364	3,768,091	0.06	0.15
26	-1,000	-525	443,517	3,768,004	0.20	0.38
27	-804	-351	443,714	3,768,177	1.30	2.12
28	-608	-386	443,910	3,768,143	1.71	2.74
29	-625	-450	443,893	3,768,079	1.75	2.79
30	-510	-374	444,008	3,768,154	1.76	2.83
31	-484	-525	444,034	3,768,004	1.63	2.60
32	-16	-657	444,502	3,767,871	1.83	2.86
33	-270	-458	444,248	3,768,071	1.98	3.22

Health Impacts from Operational Activities Project Compared to Baseline – Onsite Worker - Chronic

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-1,858	544	442,660	3,769,073	0.01	0.01
2	-1,769	541	442,749	3,769,070	0.01	0.01
3	-1,659	544	442,859	3,769,073	0.01	0.02
4	-1,566	550	442,951	3,769,078	0.02	0.02
5	-1,419	639	443,099	3,769,168	0.01	0.02
6	-1,327	500	443,191	3,769,029	0.03	0.03
7	-1,295	633	443,223	3,769,162	0.01	0.02
8	-1,177	613	443,341	3,769,142	0.02	0.02
9	-1,177	492	443,341	3,769,021	0.03	0.04
10	-992	590	443,526	3,769,119	0.02	0.03
11	-824	339	443,693	3,768,868	0.08	0.09
12	-717	385	443,800	3,768,914	0.06	0.07
13	-654	449	443,864	3,768,977	0.05	0.06
14	-486	607	444,031	3,769,136	0.03	0.04
15	-212	521	444,306	3,769,050	0.04	0.05
16	261	489	444,779	3,769,018	0.04	0.04
17	380	486	444,898	3,769,015	0.04	0.04
18	553	477	445,071	3,769,006	0.04	0.04
19	1,096	463	445,614	3,768,992	0.04	0.04
20	1,194	466	445,712	3,768,995	0.04	0.04
21	1,287	472	445,804	3,769,000	0.03	0.03
22	1,396	466	445,914	3,768,995	0.03	0.03
23	1,211	-597	445,729	3,767,932	0.02	0.04
24	1,220	-738	445,738	3,767,791	0.02	0.03
25	-1,153	-438	443,364	3,768,091	0.01	0.01
26	-1,000	-525	443,517	3,768,004	0.02	0.04
27	-804	-351	443,714	3,768,177	0.13	0.21
28	-608	-386	443,910	3,768,143	0.17	0.27
29	-625	-450	443,893	3,768,079	0.17	0.27
30	-510	-374	444,008	3,768,154	0.17	0.27
31	-484	-525	444,034	3,768,004	0.16	0.25
32	-16	-657	444,502	3,767,871	0.18	0.28
33	-270	-458	444,248	3,768,071	0.19	0.31

Health Impacts from Operational Activities Project Compared to Baseline – Onsite Worker - Acute

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-1,858	544	442,660	3,769,073	0.14	0.07
2	-1,769	541	442,749	3,769,070	0.14	0.07
3	-1,659	544	442,859	3,769,073	0.13	0.06
4	-1,566	550	442,951	3,769,078	0.12	0.05
5	-1,419	639	443,099	3,769,168	0.07	0.01
6	-1,327	500	443,191	3,769,029	0.13	0.06
7	-1,295	633	443,223	3,769,162	0.06	0.00
8	-1,177	613	443,341	3,769,142	0.06	0.01
9	-1,177	492	443,341	3,769,021	0.12	0.05
10	-992	590	443,526	3,769,119	0.09	0.03
11	-824	339	443,693	3,768,868	0.24	0.21
12	-717	385	443,800	3,768,914	0.21	0.10
13	-654	449	443,864	3,768,977	0.10	0.04
14	-486	607	444,031	3,769,136	-0.01	0.01
15	-212	521	444,306	3,769,050	-0.01	-0.01
16	261	489	444,779	3,769,018	0.11	0.12
17	380	486	444,898	3,769,015	0.11	0.20
18	553	477	445,071	3,769,006	0.09	0.21
19	1,096	463	445,614	3,768,992	-0.05	0.09
20	1,194	466	445,712	3,768,995	-0.05	0.11
21	1,287	472	445,804	3,769,000	0.03	0.13
22	1,396	466	445,914	3,768,995	0.13	0.15
23	1,211	-597	445,729	3,767,932	-0.08	0.18
24	1,220	-738	445,738	3,767,791	-0.05	0.12
25	-1,153	-438	443,364	3,768,091	-0.05	0.12
26	-1,000	-525	443,517	3,768,004	0.16	0.44
27	-804	-351	443,714	3,768,177	0.05	0.30
28	-608	-386	443,910	3,768,143	0.17	0.49
29	-625	-450	443,893	3,768,079	0.28	0.66
30	-510	-374	444,008	3,768,154	0.16	0.47
31	-484	-525	444,034	3,768,004	0.40	0.59
32	-16	-657	444,502	3,767,871	0.25	0.60
33	-270	-458	444,248	3,768,071	0.30	0.59

Health Impacts from Operational Activities Project Compared to Without Project – Onsite Worker - Cancer

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-1,858	544	442,660	3,769,073	0.02	0.01
2	-1,769	541	442,749	3,769,070	0.02	0.01
3	-1,659	544	442,859	3,769,073	0.03	0.01
4	-1,566	550	442,951	3,769,078	0.03	0.01
5	-1,419	639	443,099	3,769,168	0.03	0.01
6	-1,327	500	443,191	3,769,029	0.03	0.01
7	-1,295	633	443,223	3,769,162	0.03	0.01
8	-1,177	613	443,341	3,769,142	0.03	0.00
9	-1,177	492	443,341	3,769,021	0.04	0.00
10	-992	590	443,526	3,769,119	0.04	0.00
11	-824	339	443,693	3,768,868	0.07	-0.09
12	-717	385	443,800	3,768,914	0.07	-0.07
13	-654	449	443,864	3,768,977	0.06	-0.04
14	-486	607	444,031	3,769,136	0.05	-0.02
15	-212	521	444,306	3,769,050	0.08	-0.06
16	261	489	444,779	3,769,018	0.12	-0.37
17	380	486	444,898	3,769,015	0.13	-0.59
18	553	477	445,071	3,769,006	0.14	-0.96
19	1,096	463	445,614	3,768,992	0.19	-1.98
20	1,194	466	445,712	3,768,995	0.20	-2.47
21	1,287	472	445,804	3,769,000	0.20	-2.94
22	1,396	466	445,914	3,768,995	0.21	-3.62
23	1,211	-597	445,729	3,767,932	0.24	0.80
24	1,220	-738	445,738	3,767,791	0.17	0.64
25	-1,153	-438	443,364	3,768,091	0.17	0.24
26	-1,000	-525	443,517	3,768,004	0.32	0.46
27	-804	-351	443,714	3,768,177	1.59	2.40
28	-608	-386	443,910	3,768,143	2.00	2.96
29	-625	-450	443,893	3,768,079	1.98	2.93
30	-510	-374	444,008	3,768,154	2.09	3.07
31	-484	-525	444,034	3,768,004	1.85	2.69
32	-16	-657	444,502	3,767,871	1.95	2.92
33	-270	-458	444,248	3,768,071	2.34	3.38

Health Impacts from Operational Activities Project Compared to Without Project – Onsite Worker - Chronic

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-1,858	544	442,660	3,769,073	0.00	0.00
2	-1,769	541	442,749	3,769,070	0.00	0.00
3	-1,659	544	442,859	3,769,073	0.00	0.00
4	-1,566	550	442,951	3,769,078	0.00	0.00
5	-1,419	639	443,099	3,769,168	0.00	0.00
6	-1,327	500	443,191	3,769,029	0.00	0.00
7	-1,295	633	443,223	3,769,162	0.00	0.00
8	-1,177	613	443,341	3,769,142	0.00	0.00
9	-1,177	492	443,341	3,769,021	0.00	0.00
10	-992	590	443,526	3,769,119	0.00	0.00
11	-824	339	443,693	3,768,868	0.01	-0.01
12	-717	385	443,800	3,768,914	0.01	-0.01
13	-654	449	443,864	3,768,977	0.01	0.00
14	-486	607	444,031	3,769,136	0.00	0.00
15	-212	521	444,306	3,769,050	0.01	-0.01
16	261	489	444,779	3,769,018	0.01	-0.04
17	380	486	444,898	3,769,015	0.01	-0.06
18	553	477	445,071	3,769,006	0.01	-0.09
19	1,096	463	445,614	3,768,992	0.02	-0.19
20	1,194	466	445,712	3,768,995	0.02	-0.24
21	1,287	472	445,804	3,769,000	0.02	-0.29
22	1,396	466	445,914	3,768,995	0.02	-0.35
23	1,211	-597	445,729	3,767,932	0.02	0.08
24	1,220	-738	445,738	3,767,791	0.02	0.06
25	-1,153	-438	443,364	3,768,091	0.02	0.02
26	-1,000	-525	443,517	3,768,004	0.03	0.04
27	-804	-351	443,714	3,768,177	0.15	0.23
28	-608	-386	443,910	3,768,143	0.19	0.29
29	-625	-450	443,893	3,768,079	0.19	0.28
30	-510	-374	444,008	3,768,154	0.20	0.30
31	-484	-525	444,034	3,768,004	0.18	0.26
32	-16	-657	444,502	3,767,871	0.19	0.28
33	-270	-458	444,248	3,768,071	0.23	0.33

Health Impacts from Operational Activities Project Compared to Without Project – Onsite Worker - Acute

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	-1,858	544	442,660	3,769,073	0.00	-0.08
2	-1,769	541	442,749	3,769,070	0.01	-0.09
3	-1,659	544	442,859	3,769,073	0.03	-0.08
4	-1,566	550	442,951	3,769,078	0.04	-0.08
5	-1,419	639	443,099	3,769,168	0.07	-0.10
6	-1,327	500	443,191	3,769,029	0.05	-0.10
7	-1,295	633	443,223	3,769,162	0.07	-0.12
8	-1,177	613	443,341	3,769,142	0.06	-0.13
9	-1,177	492	443,341	3,769,021	0.07	-0.11
10	-992	590	443,526	3,769,119	0.06	-0.13
11	-824	339	443,693	3,768,868	0.09	-0.19
12	-717	385	443,800	3,768,914	0.09	-0.17
13	-654	449	443,864	3,768,977	0.08	-0.24
14	-486	607	444,031	3,769,136	0.00	-0.18
15	-212	521	444,306	3,769,050	-0.06	-0.27
16	261	489	444,779	3,769,018	0.01	-0.34
17	380	486	444,898	3,769,015	0.01	-0.29
18	553	477	445,071	3,769,006	0.01	-0.40
19	1,096	463	445,614	3,768,992	0.02	-0.84
20	1,194	466	445,712	3,768,995	0.02	-0.96
21	1,287	472	445,804	3,769,000	0.08	-0.90
22	1,396	466	445,914	3,768,995	0.09	-0.90
23	1,211	-597	445,729	3,767,932	0.01	0.25
24	1,220	-738	445,738	3,767,791	0.03	0.16
25	-1,153	-438	443,364	3,768,091	0.21	0.36
26	-1,000	-525	443,517	3,768,004	0.30	0.50
27	-804	-351	443,714	3,768,177	0.50	0.70
28	-608	-386	443,910	3,768,143	0.54	0.73
29	-625	-450	443,893	3,768,079	0.51	0.70
30	-510	-374	444,008	3,768,154	0.54	0.65
31	-484	-525	444,034	3,768,004	0.56	0.41
32	-16	-657	444,502	3,767,871	0.30	0.49
33	-270	-458	444,248	3,768,071	0.48	0.32

Health Impacts from Operational Activities Project Compared to Baseline – Offsite Worker - Cancer

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	7	-1,125	444,525	3,767,404	0.17	0.29
2	-214	-1,028	444,304	3,767,501	0.22	0.40
3	-320	-985	444,198	3,767,544	0.23	0.42
4	-402	-968	444,116	3,767,561	0.23	0.41
5	-458	-943	444,059	3,767,586	0.22	0.41
6	-540	-871	443,978	3,767,658	0.24	0.43
7	-614	-843	443,904	3,767,686	0.23	0.43
8	-684	-841	443,834	3,767,688	0.22	0.40
9	-742	-799	443,775	3,767,730	0.22	0.41
10	-841	-773	443,677	3,767,756	0.21	0.38
11	-1,172	-733	443,346	3,767,796	0.12	0.22
12	-966	-1,002	443,552	3,767,527	0.14	0.25
13	-1,447	-746	443,071	3,767,783	0.10	0.16
14	-1,598	-534	442,920	3,767,995	0.13	0.17
15	-1,600	-716	442,918	3,767,813	0.10	0.15
16	-1,810	-597	442,707	3,767,932	0.11	0.15
17	-2,090	-578	442,427	3,767,951	0.10	0.13
18	-2,089	-714	442,429	3,767,815	0.09	0.12
19	-1,812	-716	442,706	3,767,813	0.10	0.14
20	-1,856	-388	442,662	3,768,140	0.14	0.17
21	-2,104	-421	442,414	3,768,108	0.11	0.14
22	-2,240	-345	442,278	3,768,184	0.11	0.13
23	-2,391	-248	442,126	3,768,281	0.10	0.12
24	-2,609	-48	441,909	3,768,481	0.07	0.09
25	-2,473	-265	442,045	3,768,264	0.08	0.11
26	-2,579	-161	441,939	3,768,368	0.07	0.09
27	827	-940	445,345	3,767,588	0.14	0.24
28	1,016	-940	445,534	3,767,588	0.14	0.24
29	785	-1,121	445,303	3,767,408	0.12	0.20
30	961	-1,074	445,478	3,767,455	0.12	0.20
31	987	-1,275	445,505	3,767,254	0.09	0.16
32	252	-1,254	444,770	3,767,274	0.13	0.21
33	455	-1,330	444,973	3,767,199	0.11	0.18
34	613	-1,435	445,131	3,767,094	0.10	0.15
35	1,248	-969	445,766	3,767,559	0.12	0.22
36	1,239	-1,188	445,757	3,767,341	0.09	0.16
37	1,244	-1,381	445,761	3,767,147	0.07	0.13
38	1,382	-972	445,899	3,767,557	0.12	0.22
39	1,382	-1,174	445,899	3,767,355	0.09	0.16
40	1,391	-1,390	445,908	3,767,138	0.07	0.12
41	1,682	-1,009	446,200	3,767,519	0.11	0.18

42	1,736	-1,263	446,254	3,767,265	0.07	0.12
43	2,602	-579	447,119	3,767,950	0.12	0.16
44	2,599	-760	447,117	3,767,769	0.07	0.11
45	2,782	-579	447,300	3,767,950	0.10	0.13
46	2,785	-749	447,303	3,767,780	0.06	0.09
47	3,005	-705	447,523	3,767,824	0.06	0.08
48	2,442	-946	446,959	3,767,583	0.07	0.11
49	2,586	-954	447,104	3,767,575	0.06	0.09
50	2,769	-951	447,287	3,767,578	0.05	0.08
51	2,982	-951	447,499	3,767,578	0.04	0.07
52	2,463	-1,087	446,980	3,767,442	0.06	0.09
53	2,623	-1,090	447,140	3,767,439	0.05	0.08
54	2,811	-1,087	447,329	3,767,442	0.04	0.07
55	2,434	-1,252	446,952	3,767,276	0.05	0.08
56	2,628	-1,266	447,145	3,767,263	0.04	0.07
57	2,795	-1,252	447,313	3,767,276	0.03	0.06
58	2,035	-1,507	446,553	3,767,022	0.05	0.08
59	2,114	-1,653	446,632	3,766,875	0.05	0.06
60	2,083	-985	446,600	3,767,544	0.10	0.15
61	2,415	-1,425	446,933	3,767,103	0.05	0.07
62	3,404	-181	447,922	3,768,348	0.12	0.16
63	3,396	-361	447,914	3,768,167	0.10	0.12
64	3,525	-422	448,042	3,768,107	0.08	0.10
65	3,530	-209	448,048	3,768,319	0.11	0.14
66	3,420	-561	447,938	3,767,968	0.07	0.08
67	3,386	13	447,903	3,768,542	0.15	0.20
68	3,556	5	448,074	3,768,534	0.13	0.17
69	3,525	244	448,042	3,768,773	0.14	0.19
70	3,210	265	447,728	3,768,794	0.17	0.24
71	3,210	448	447,728	3,768,977	0.16	0.23
72	3,409	380	447,927	3,768,909	0.15	0.21
73	3,179	716	447,696	3,769,244	0.15	0.20
74	3,370	721	447,888	3,769,250	0.14	0.19
75	3,024	687	447,542	3,769,216	0.16	0.22
76	2,791	708	447,309	3,769,237	0.17	0.22
77	-2,356	533	442,161	3,769,062	0.05	0.07
78	-2,353	617	442,165	3,769,146	0.04	0.06
79	-2,453	616	442,065	3,769,145	0.04	0.05
80	-2,454	524	442,064	3,769,053	0.05	0.06
81	-2,076	786	442,442	3,769,314	0.04	0.06
82	-2,019	788	442,499	3,769,317	0.04	0.06
83	-1,595	781	442,923	3,769,310	0.07	0.09
84	-1,505	786	443,013	3,769,314	0.07	0.10
85	-1,678	742	442,839	3,769,271	0.07	0.09

86	-1,854	776	442,664	3,769,304	0.05	0.07
87	-1,965	776	442,553	3,769,305	0.05	0.06
88	-1,911	775	442,606	3,769,304	0.05	0.07
89	-1,394	986	443,124	3,769,515	0.05	0.07
90	-1,282	993	443,236	3,769,522	0.06	0.08
91	-1,186	1,005	443,332	3,769,534	0.06	0.09
92	-1,181	959	443,337	3,769,488	0.07	0.09
93	-1,186	914	443,331	3,769,442	0.07	0.10
94	-1,189	871	443,329	3,769,400	0.08	0.11
95	-1,292	880	443,226	3,769,409	0.07	0.10
96	-1,286	918	443,232	3,769,447	0.06	0.09
97	-1,401	898	443,117	3,769,427	0.06	0.09
98	-1,066	901	443,451	3,769,429	0.09	0.12
99	-1,060	991	443,458	3,769,520	0.07	0.10
100	-1,068	1,059	443,450	3,769,588	0.06	0.09
101	-966	1,080	443,552	3,769,609	0.07	0.09
102	-948	976	443,570	3,769,505	0.08	0.11
103	-1,011	926	443,507	3,769,454	0.09	0.12
104	-999	874	443,519	3,769,402	0.10	0.13
105	-934	915	443,584	3,769,444	0.10	0.13
106	-736	929	443,781	3,769,458	0.11	0.14
107	-789	911	443,729	3,769,439	0.11	0.15
108	-831	1,001	443,687	3,769,530	0.09	0.12
109	-797	1,056	443,721	3,769,585	0.08	0.11
110	-725	1,051	443,793	3,769,579	0.09	0.11
111	-724	1,131	443,794	3,769,660	0.07	0.10
112	-796	1,116	443,721	3,769,644	0.07	0.10
113	-799	1,176	443,719	3,769,704	0.06	0.09
114	-671	1,113	443,847	3,769,642	0.08	0.10
115	-303	1,090	444,215	3,769,619	0.11	0.13
116	-284	1,041	444,234	3,769,570	0.12	0.14
117	-233	1,064	444,285	3,769,592	0.12	0.14
118	-149	1,112	444,368	3,769,641	0.11	0.13
119	-76	1,151	444,442	3,769,680	0.11	0.13
120	-176	1,178	444,341	3,769,707	0.10	0.12
121	-231	1,163	444,286	3,769,692	0.10	0.12
122	-285	1,237	444,233	3,769,766	0.08	0.10
123	-380	1,200	444,138	3,769,729	0.08	0.10
124	-390	828	444,128	3,769,357	0.18	0.21
125	-516	1,087	444,001	3,769,616	0.09	0.12
126	279	1,124	444,797	3,769,653	0.13	0.15
127	440	1,149	444,957	3,769,677	0.13	0.15
128	1,137	966	445,654	3,769,495	0.15	0.19
129	1,116	869	445,634	3,769,398	0.17	0.21

130	1,051	1,171	445,569	3,769,699	0.12	0.15
131	1,606	847	446,124	3,769,376	0.17	0.20
132	1,593	975	446,111	3,769,504	0.14	0.18
133	1,607	1,072	446,125	3,769,601	0.13	0.16
134	1,611	1,152	446,129	3,769,681	0.12	0.15
135	1,774	990	446,291	3,769,519	0.14	0.17
136	1,876	1,070	446,394	3,769,599	0.12	0.16
137	1,938	1,068	446,456	3,769,597	0.12	0.16
138	1,966	999	446,484	3,769,528	0.13	0.17
139	1,790	916	446,308	3,769,445	0.15	0.19
140	2,127	907	446,645	3,769,436	0.15	0.18
141	2,015	838	446,533	3,769,367	0.16	0.20
142	2,091	844	446,609	3,769,373	0.16	0.19
143	2,252	931	446,770	3,769,460	0.14	0.18
144	2,686	885	447,204	3,769,414	0.15	0.19
145	2,628	1,042	447,146	3,769,570	0.13	0.16
146	2,473	1,050	446,991	3,769,578	0.12	0.16
147	2,739	1,096	447,257	3,769,625	0.12	0.16

Health Impacts from Operational Activities Project Compared to Baseline – Offsite Worker - Chronic

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	7	-1,125	444,525	3,767,404	0.02	0.03
2	-214	-1,028	444,304	3,767,501	0.02	0.04
3	-320	-985	444,198	3,767,544	0.02	0.04
4	-402	-968	444,116	3,767,561	0.02	0.04
5	-458	-943	444,059	3,767,586	0.02	0.04
6	-540	-871	443,978	3,767,658	0.02	0.04
7	-614	-843	443,904	3,767,686	0.02	0.04
8	-684	-841	443,834	3,767,688	0.02	0.04
9	-742	-799	443,775	3,767,730	0.02	0.04
10	-841	-773	443,677	3,767,756	0.02	0.04
11	-1,172	-733	443,346	3,767,796	0.01	0.02
12	-966	-1,002	443,552	3,767,527	0.01	0.02
13	-1,447	-746	443,071	3,767,783	0.01	0.02
14	-1,598	-534	442,920	3,767,995	0.01	0.02
15	-1,600	-716	442,918	3,767,813	0.01	0.01
16	-1,810	-597	442,707	3,767,932	0.01	0.01
17	-2,090	-578	442,427	3,767,951	0.01	0.01
18	-2,089	-714	442,429	3,767,815	0.01	0.01
19	-1,812	-716	442,706	3,767,813	0.01	0.01
20	-1,856	-388	442,662	3,768,140	0.01	0.02
21	-2,104	-421	442,414	3,768,108	0.01	0.01
22	-2,240	-345	442,278	3,768,184	0.01	0.01
23	-2,391	-248	442,126	3,768,281	0.01	0.01
24	-2,609	-48	441,909	3,768,481	0.01	0.01
25	-2,473	-265	442,045	3,768,264	0.01	0.01
26	-2,579	-161	441,939	3,768,368	0.01	0.01
27	827	-940	445,345	3,767,588	0.01	0.02
28	1,016	-940	445,534	3,767,588	0.01	0.02
29	785	-1,121	445,303	3,767,408	0.01	0.02
30	961	-1,074	445,478	3,767,455	0.01	0.02
31	987	-1,275	445,505	3,767,254	0.01	0.02
32	252	-1,254	444,770	3,767,274	0.01	0.02
33	455	-1,330	444,973	3,767,199	0.01	0.02
34	613	-1,435	445,131	3,767,094	0.01	0.02
35	1,248	-969	445,766	3,767,559	0.01	0.02
36	1,239	-1,188	445,757	3,767,341	0.01	0.02
37	1,244	-1,381	445,761	3,767,147	0.01	0.01
38	1,382	-972	445,899	3,767,557	0.01	0.02
39	1,382	-1,174	445,899	3,767,355	0.01	0.02
40	1,391	-1,390	445,908	3,767,138	0.01	0.01
41	1,682	-1,009	446,200	3,767,519	0.01	0.02
42	1,736	-1,263	446,254	3,767,265	0.01	0.01

43	2,602	-579	447,119	3,767,950	0.01	0.02
44	2,599	-760	447,117	3,767,769	0.01	0.01
45	2,782	-579	447,300	3,767,950	0.01	0.01
46	2,785	-749	447,303	3,767,780	0.01	0.01
47	3,005	-705	447,523	3,767,824	0.01	0.01
48	2,442	-946	446,959	3,767,583	0.01	0.01
49	2,586	-954	447,104	3,767,575	0.01	0.01
50	2,769	-951	447,287	3,767,578	0.00	0.01
51	2,982	-951	447,499	3,767,578	0.00	0.01
52	2,463	-1,087	446,980	3,767,442	0.01	0.01
53	2,623	-1,090	447,140	3,767,439	0.00	0.01
54	2,811	-1,087	447,329	3,767,442	0.00	0.01
55	2,434	-1,252	446,952	3,767,276	0.00	0.01
56	2,628	-1,266	447,145	3,767,263	0.00	0.01
57	2,795	-1,252	447,313	3,767,276	0.00	0.01
58	2,035	-1,507	446,553	3,767,022	0.01	0.01
59	2,114	-1,653	446,632	3,766,875	0.00	0.01
60	2,083	-985	446,600	3,767,544	0.01	0.01
61	2,415	-1,425	446,933	3,767,103	0.00	0.01
62	3,404	-181	447,922	3,768,348	0.01	0.02
63	3,396	-361	447,914	3,768,167	0.01	0.01
64	3,525	-422	448,042	3,768,107	0.01	0.01
65	3,530	-209	448,048	3,768,319	0.01	0.01
66	3,420	-561	447,938	3,767,968	0.01	0.01
67	3,386	13	447,903	3,768,542	0.01	0.02
68	3,556	5	448,074	3,768,534	0.01	0.02
69	3,525	244	448,042	3,768,773	0.01	0.02
70	3,210	265	447,728	3,768,794	0.02	0.02
71	3,210	448	447,728	3,768,977	0.02	0.02
72	3,409	380	447,927	3,768,909	0.01	0.02
73	3,179	716	447,696	3,769,244	0.01	0.02
74	3,370	721	447,888	3,769,250	0.01	0.02
75	3,024	687	447,542	3,769,216	0.02	0.02
76	2,791	708	447,309	3,769,237	0.02	0.02
77	-2,356	533	442,161	3,769,062	0.01	0.01
78	-2,353	617	442,165	3,769,146	0.00	0.01
79	-2,453	616	442,065	3,769,145	0.00	0.01
80	-2,454	524	442,064	3,769,053	0.00	0.01
81	-2,076	786	442,442	3,769,314	0.00	0.01
82	-2,019	788	442,499	3,769,317	0.00	0.01
83	-1,595	781	442,923	3,769,310	0.01	0.01
84	-1,505	786	443,013	3,769,314	0.01	0.01
85	-1,678	742	442,839	3,769,271	0.01	0.01
86	-1,854	776	442,664	3,769,304	0.01	0.01

87	-1,965	776	442,553	3,769,305	0.00	0.01
88	-1,911	775	442,606	3,769,304	0.00	0.01
89	-1,394	986	443,124	3,769,515	0.00	0.01
90	-1,282	993	443,236	3,769,522	0.01	0.01
91	-1,186	1,005	443,332	3,769,534	0.01	0.01
92	-1,181	959	443,337	3,769,488	0.01	0.01
93	-1,186	914	443,331	3,769,442	0.01	0.01
94	-1,189	871	443,329	3,769,400	0.01	0.01
95	-1,292	880	443,226	3,769,409	0.01	0.01
96	-1,286	918	443,232	3,769,447	0.01	0.01
97	-1,401	898	443,117	3,769,427	0.01	0.01
98	-1,066	901	443,451	3,769,429	0.01	0.01
99	-1,060	991	443,458	3,769,520	0.01	0.01
100	-1,068	1,059	443,450	3,769,588	0.01	0.01
101	-966	1,080	443,552	3,769,609	0.01	0.01
102	-948	976	443,570	3,769,505	0.01	0.01
103	-1,011	926	443,507	3,769,454	0.01	0.01
104	-999	874	443,519	3,769,402	0.01	0.01
105	-934	915	443,584	3,769,444	0.01	0.01
106	-736	929	443,781	3,769,458	0.01	0.01
107	-789	911	443,729	3,769,439	0.01	0.01
108	-831	1,001	443,687	3,769,530	0.01	0.01
109	-797	1,056	443,721	3,769,585	0.01	0.01
110	-725	1,051	443,793	3,769,579	0.01	0.01
111	-724	1,131	443,794	3,769,660	0.01	0.01
112	-796	1,116	443,721	3,769,644	0.01	0.01
113	-799	1,176	443,719	3,769,704	0.01	0.01
114	-671	1,113	443,847	3,769,642	0.01	0.01
115	-303	1,090	444,215	3,769,619	0.01	0.01
116	-284	1,041	444,234	3,769,570	0.01	0.01
117	-233	1,064	444,285	3,769,592	0.01	0.01
118	-149	1,112	444,368	3,769,641	0.01	0.01
119	-76	1,151	444,442	3,769,680	0.01	0.01
120	-176	1,178	444,341	3,769,707	0.01	0.01
121	-231	1,163	444,286	3,769,692	0.01	0.01
122	-285	1,237	444,233	3,769,766	0.01	0.01
123	-380	1,200	444,138	3,769,729	0.01	0.01
124	-390	828	444,128	3,769,357	0.02	0.02
125	-516	1,087	444,001	3,769,616	0.01	0.01
126	279	1,124	444,797	3,769,653	0.01	0.01
127	440	1,149	444,957	3,769,677	0.01	0.01
128	1,137	966	445,654	3,769,495	0.01	0.02
129	1,116	869	445,634	3,769,398	0.02	0.02
130	1,051	1,171	445,569	3,769,699	0.01	0.01

131	1,606	847	446,124	3,769,376	0.02	0.02
132	1,593	975	446,111	3,769,504	0.01	0.02
133	1,607	1,072	446,125	3,769,601	0.01	0.02
134	1,611	1,152	446,129	3,769,681	0.01	0.01
135	1,774	990	446,291	3,769,519	0.01	0.02
136	1,876	1,070	446,394	3,769,599	0.01	0.02
137	1,938	1,068	446,456	3,769,597	0.01	0.02
138	1,966	999	446,484	3,769,528	0.01	0.02
139	1,790	916	446,308	3,769,445	0.01	0.02
140	2,127	907	446,645	3,769,436	0.01	0.02
141	2,015	838	446,533	3,769,367	0.02	0.02
142	2,091	844	446,609	3,769,373	0.02	0.02
143	2,252	931	446,770	3,769,460	0.01	0.02
144	2,686	885	447,204	3,769,414	0.01	0.02
145	2,628	1,042	447,146	3,769,570	0.01	0.02
146	2,473	1,050	446,991	3,769,578	0.01	0.02
147	2,739	1,096	447,257	3,769,625	0.01	0.02

Health Impacts from Operational Activities Project Compared to Baseline – Offsite Worker - Acute

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	7	-1,125	444,525	3,767,404	0.05	0.12
2	-214	-1,028	444,304	3,767,501	-0.02	0.19
3	-320	-985	444,198	3,767,544	0.03	0.25
4	-402	-968	444,116	3,767,561	0.05	0.27
5	-458	-943	444,059	3,767,586	0.06	0.27
6	-540	-871	443,978	3,767,658	0.07	0.26
7	-614	-843	443,904	3,767,686	0.09	0.24
8	-684	-841	443,834	3,767,688	0.10	0.23
9	-742	-799	443,775	3,767,730	0.11	0.21
10	-841	-773	443,677	3,767,756	0.12	0.18
11	-1,172	-733	443,346	3,767,796	0.08	0.09
12	-966	-1,002	443,552	3,767,527	0.07	0.16
13	-1,447	-746	443,071	3,767,783	0.00	0.11
14	-1,598	-534	442,920	3,767,995	-0.09	0.01
15	-1,600	-716	442,918	3,767,813	-0.03	0.13
16	-1,810	-597	442,707	3,767,932	-0.07	0.02
17	-2,090	-578	442,427	3,767,951	-0.09	0.00
18	-2,089	-714	442,429	3,767,815	-0.05	0.06
19	-1,812	-716	442,706	3,767,813	-0.04	0.11
20	-1,856	-388	442,662	3,768,140	-0.13	0.04
21	-2,104	-421	442,414	3,768,108	-0.10	0.04
22	-2,240	-345	442,278	3,768,184	-0.03	0.09
23	-2,391	-248	442,126	3,768,281	0.06	0.15
24	-2,609	-48	441,909	3,768,481	0.19	0.27
25	-2,473	-265	442,045	3,768,264	0.05	0.14
26	-2,579	-161	441,939	3,768,368	0.13	0.21
27	827	-940	445,345	3,767,588	-0.03	0.11
28	1,016	-940	445,534	3,767,588	-0.04	0.07
29	785	-1,121	445,303	3,767,408	0.01	0.09
30	961	-1,074	445,478	3,767,455	-0.02	0.05
31	987	-1,275	445,505	3,767,254	-0.04	-0.04
32	252	-1,254	444,770	3,767,274	0.02	0.10
33	455	-1,330	444,973	3,767,199	0.07	0.10
34	613	-1,435	445,131	3,767,094	0.03	0.02
35	1,248	-969	445,766	3,767,559	-0.07	-0.02
36	1,239	-1,188	445,757	3,767,341	-0.03	-0.04
37	1,244	-1,381	445,761	3,767,147	0.00	0.00
38	1,382	-972	445,899	3,767,557	-0.04	-0.03
39	1,382	-1,174	445,899	3,767,355	0.00	0.01
40	1,391	-1,390	445,908	3,767,138	0.03	0.04
41	1,682	-1,009	446,200	3,767,519	0.07	0.15
42	1,736	-1,263	446,254	3,767,265	0.02	0.08

43	2,602	-579	447,119	3,767,950	0.25	0.25
44	2,599	-760	447,117	3,767,769	0.02	0.03
45	2,782	-579	447,300	3,767,950	0.21	0.17
46	2,785	-749	447,303	3,767,780	0.11	0.17
47	3,005	-705	447,523	3,767,824	0.16	0.17
48	2,442	-946	446,959	3,767,583	-0.22	-0.20
49	2,586	-954	447,104	3,767,575	-0.15	-0.15
50	2,769	-951	447,287	3,767,578	0.00	0.00
51	2,982	-951	447,499	3,767,578	0.05	0.04
52	2,463	-1,087	446,980	3,767,442	-0.13	-0.14
53	2,623	-1,090	447,140	3,767,439	-0.17	-0.17
54	2,811	-1,087	447,329	3,767,442	-0.06	-0.06
55	2,434	-1,252	446,952	3,767,276	-0.03	-0.08
56	2,628	-1,266	447,145	3,767,263	-0.11	-0.11
57	2,795	-1,252	447,313	3,767,276	-0.13	-0.13
58	2,035	-1,507	446,553	3,767,022	-0.06	-0.05
59	2,114	-1,653	446,632	3,766,875	-0.04	-0.04
60	2,083	-985	446,600	3,767,544	0.03	-0.03
61	2,415	-1,425	446,933	3,767,103	0.03	-0.01
62	3,404	-181	447,922	3,768,348	0.00	-0.09
63	3,396	-361	447,914	3,768,167	0.06	-0.04
64	3,525	-422	448,042	3,768,107	0.09	-0.01
65	3,530	-209	448,048	3,768,319	0.02	-0.07
66	3,420	-561	447,938	3,767,968	0.12	0.03
67	3,386	13	447,903	3,768,542	-0.01	-0.09
68	3,556	5	448,074	3,768,534	-0.01	-0.09
69	3,525	244	448,042	3,768,773	-0.01	-0.03
70	3,210	265	447,728	3,768,794	-0.03	-0.03
71	3,210	448	447,728	3,768,977	-0.02	0.02
72	3,409	380	447,927	3,768,909	-0.04	-0.01
73	3,179	716	447,696	3,769,244	0.02	0.08
74	3,370	721	447,888	3,769,250	0.01	0.07
75	3,024	687	447,542	3,769,216	0.02	0.09
76	2,791	708	447,309	3,769,237	0.05	0.10
77	-2,356	533	442,161	3,769,062	0.15	0.07
78	-2,353	617	442,165	3,769,146	0.13	0.05
79	-2,453	616	442,065	3,769,145	0.13	0.06
80	-2,454	524	442,064	3,769,053	0.16	0.09
81	-2,076	786	442,442	3,769,314	0.07	0.01
82	-2,019	788	442,499	3,769,317	0.06	0.01
83	-1,595	781	442,923	3,769,310	0.04	0.00
84	-1,505	786	443,013	3,769,314	0.04	0.00
85	-1,678	742	442,839	3,769,271	0.06	0.00
86	-1,854	776	442,664	3,769,304	0.06	0.01

87	-1,965	776	442,553	3,769,305	0.06	0.01
88	-1,911	775	442,606	3,769,304	0.06	0.01
89	-1,394	986	443,124	3,769,515	0.07	0.04
90	-1,282	993	443,236	3,769,522	0.09	0.05
91	-1,186	1,005	443,332	3,769,534	0.08	0.04
92	-1,181	959	443,337	3,769,488	0.09	0.05
93	-1,186	914	443,331	3,769,442	0.09	0.05
94	-1,189	871	443,329	3,769,400	0.09	0.04
95	-1,292	880	443,226	3,769,409	0.07	0.03
96	-1,286	918	443,232	3,769,447	0.08	0.04
97	-1,401	898	443,117	3,769,427	0.05	0.03
98	-1,066	901	443,451	3,769,429	0.09	0.05
99	-1,060	991	443,458	3,769,520	0.06	0.03
100	-1,068	1,059	443,450	3,769,588	0.05	0.02
101	-966	1,080	443,552	3,769,609	0.01	0.01
102	-948	976	443,570	3,769,505	0.03	0.02
103	-1,011	926	443,507	3,769,454	0.07	0.04
104	-999	874	443,519	3,769,402	0.08	0.04
105	-934	915	443,584	3,769,444	0.05	0.03
106	-736	929	443,781	3,769,458	-0.02	0.01
107	-789	911	443,729	3,769,439	0.00	0.01
108	-831	1,001	443,687	3,769,530	-0.01	0.01
109	-797	1,056	443,721	3,769,585	-0.02	0.00
110	-725	1,051	443,793	3,769,579	-0.02	-0.01
111	-724	1,131	443,794	3,769,660	-0.01	-0.02
112	-796	1,116	443,721	3,769,644	-0.02	-0.01
113	-799	1,176	443,719	3,769,704	-0.01	-0.02
114	-671	1,113	443,847	3,769,642	-0.01	-0.02
115	-303	1,090	444,215	3,769,619	0.02	-0.02
116	-284	1,041	444,234	3,769,570	0.02	-0.02
117	-233	1,064	444,285	3,769,592	0.02	-0.02
118	-149	1,112	444,368	3,769,641	0.02	-0.01
119	-76	1,151	444,442	3,769,680	0.02	-0.01
120	-176	1,178	444,341	3,769,707	0.02	-0.01
121	-231	1,163	444,286	3,769,692	0.02	-0.02
122	-285	1,237	444,233	3,769,766	0.02	-0.02
123	-380	1,200	444,138	3,769,729	0.02	-0.02
124	-390	828	444,128	3,769,357	0.00	-0.02
125	-516	1,087	444,001	3,769,616	0.01	-0.02
126	279	1,124	444,797	3,769,653	0.00	0.01
127	440	1,149	444,957	3,769,677	0.00	0.01
128	1,137	966	445,654	3,769,495	0.00	0.07
129	1,116	869	445,634	3,769,398	0.00	0.07
130	1,051	1,171	445,569	3,769,699	0.00	0.06

131	1,606	847	446,124	3,769,376	0.02	0.04
132	1,593	975	446,111	3,769,504	0.02	0.03
133	1,607	1,072	446,125	3,769,601	0.01	0.02
134	1,611	1,152	446,129	3,769,681	0.01	0.02
135	1,774	990	446,291	3,769,519	-0.07	-0.01
136	1,876	1,070	446,394	3,769,599	-0.07	0.00
137	1,938	1,068	446,456	3,769,597	-0.06	0.01
138	1,966	999	446,484	3,769,528	-0.02	0.03
139	1,790	916	446,308	3,769,445	-0.08	-0.02
140	2,127	907	446,645	3,769,436	0.07	0.07
141	2,015	838	446,533	3,769,367	0.07	0.07
142	2,091	844	446,609	3,769,373	0.09	0.07
143	2,252	931	446,770	3,769,460	0.08	0.06
144	2,686	885	447,204	3,769,414	0.08	0.03
145	2,628	1,042	447,146	3,769,570	0.09	0.05
146	2,473	1,050	446,991	3,769,578	0.08	0.06
147	2,739	1,096	447,257	3,769,625	0.08	0.05

Health Impacts from Operational Activities Project Compared to Without Project – Offsite Worker - Cancer

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	7	-1,125	444,525	3,767,404	0.20	0.29
2	-214	-1,028	444,304	3,767,501	0.27	0.40
3	-320	-985	444,198	3,767,544	0.29	0.42
4	-402	-968	444,116	3,767,561	0.29	0.41
5	-458	-943	444,059	3,767,586	0.29	0.41
6	-540	-871	443,978	3,767,658	0.32	0.43
7	-614	-843	443,904	3,767,686	0.32	0.43
8	-684	-841	443,834	3,767,688	0.30	0.40
9	-742	-799	443,775	3,767,730	0.31	0.41
10	-841	-773	443,677	3,767,756	0.29	0.39
11	-1,172	-733	443,346	3,767,796	0.17	0.21
12	-966	-1,002	443,552	3,767,527	0.18	0.23
13	-1,447	-746	443,071	3,767,783	0.10	0.12
14	-1,598	-534	442,920	3,767,995	0.08	0.08
15	-1,600	-716	442,918	3,767,813	0.08	0.09
16	-1,810	-597	442,707	3,767,932	0.06	0.05
17	-2,090	-578	442,427	3,767,951	0.04	0.03
18	-2,089	-714	442,429	3,767,815	0.04	0.04
19	-1,812	-716	442,706	3,767,813	0.06	0.06
20	-1,856	-388	442,662	3,768,140	0.05	0.04
21	-2,104	-421	442,414	3,768,108	0.04	0.03
22	-2,240	-345	442,278	3,768,184	0.04	0.02
23	-2,391	-248	442,126	3,768,281	0.03	0.02
24	-2,609	-48	441,909	3,768,481	0.03	0.02
25	-2,473	-265	442,045	3,768,264	0.03	0.02
26	-2,579	-161	441,939	3,768,368	0.03	0.02
27	827	-940	445,345	3,767,588	0.15	0.36
28	1,016	-940	445,534	3,767,588	0.13	0.41
29	785	-1,121	445,303	3,767,408	0.12	0.29
30	961	-1,074	445,478	3,767,455	0.11	0.33
31	987	-1,275	445,505	3,767,254	0.09	0.27
32	252	-1,254	444,770	3,767,274	0.14	0.22
33	455	-1,330	444,973	3,767,199	0.12	0.21
34	613	-1,435	445,131	3,767,094	0.10	0.21
35	1,248	-969	445,766	3,767,559	0.11	0.45
36	1,239	-1,188	445,757	3,767,341	0.08	0.32
37	1,244	-1,381	445,761	3,767,147	0.07	0.24
38	1,382	-972	445,899	3,767,557	0.10	0.48
39	1,382	-1,174	445,899	3,767,355	0.07	0.33
40	1,391	-1,390	445,908	3,767,138	0.06	0.23
41	1,682	-1,009	446,200	3,767,519	0.07	0.46
42	1,736	-1,263	446,254	3,767,265	0.05	0.27

43	2,602	-579	447,119	3,767,950	0.06	0.48
44	2,599	-760	447,117	3,767,769	0.05	0.26
45	2,782	-579	447,300	3,767,950	0.06	0.38
46	2,785	-749	447,303	3,767,780	0.04	0.21
47	3,005	-705	447,523	3,767,824	0.04	0.20
48	2,442	-946	446,959	3,767,583	0.04	0.24
49	2,586	-954	447,104	3,767,575	0.04	0.19
50	2,769	-951	447,287	3,767,578	0.03	0.14
51	2,982	-951	447,499	3,767,578	0.03	0.12
52	2,463	-1,087	446,980	3,767,442	0.04	0.18
53	2,623	-1,090	447,140	3,767,439	0.03	0.15
54	2,811	-1,087	447,329	3,767,442	0.03	0.12
55	2,434	-1,252	446,952	3,767,276	0.03	0.15
56	2,628	-1,266	447,145	3,767,263	0.03	0.12
57	2,795	-1,252	447,313	3,767,276	0.03	0.10
58	2,035	-1,507	446,553	3,767,022	0.03	0.15
59	2,114	-1,653	446,632	3,766,875	0.03	0.12
60	2,083	-985	446,600	3,767,544	0.05	0.37
61	2,415	-1,425	446,933	3,767,103	0.03	0.12
62	3,404	-181	447,922	3,768,348	0.07	0.46
63	3,396	-361	447,914	3,768,167	0.05	0.34
64	3,525	-422	448,042	3,768,107	0.04	0.26
65	3,530	-209	448,048	3,768,319	0.06	0.38
66	3,420	-561	447,938	3,767,968	0.04	0.20
67	3,386	13	447,903	3,768,542	0.08	0.52
68	3,556	5	448,074	3,768,534	0.07	0.43
69	3,525	244	448,042	3,768,773	0.09	0.39
70	3,210	265	447,728	3,768,794	0.11	0.44
71	3,210	448	447,728	3,768,977	0.12	0.21
72	3,409	380	447,927	3,768,909	0.10	0.31
73	3,179	716	447,696	3,769,244	0.11	-0.11
74	3,370	721	447,888	3,769,250	0.10	-0.03
75	3,024	687	447,542	3,769,216	0.12	-0.18
76	2,791	708	447,309	3,769,237	0.12	-0.40
77	-2,356	533	442,161	3,769,062	0.02	0.01
78	-2,353	617	442,165	3,769,146	0.02	0.01
79	-2,453	616	442,065	3,769,145	0.02	0.01
80	-2,454	524	442,064	3,769,053	0.02	0.02
81	-2,076	786	442,442	3,769,314	0.02	0.01
82	-2,019	788	442,499	3,769,317	0.02	0.01
83	-1,595	781	442,923	3,769,310	0.02	0.01
84	-1,505	786	443,013	3,769,314	0.02	0.01
85	-1,678	742	442,839	3,769,271	0.02	0.01
86	-1,854	776	442,664	3,769,304	0.02	0.01

87	-1,965	776	442,553	3,769,305	0.02	0.01
88	-1,911	775	442,606	3,769,304	0.02	0.01
89	-1,394	986	443,124	3,769,515	0.02	0.01
90	-1,282	993	443,236	3,769,522	0.02	0.01
91	-1,186	1,005	443,332	3,769,534	0.02	0.01
92	-1,181	959	443,337	3,769,488	0.02	0.01
93	-1,186	914	443,331	3,769,442	0.02	0.01
94	-1,189	871	443,329	3,769,400	0.02	0.01
95	-1,292	880	443,226	3,769,409	0.02	0.01
96	-1,286	918	443,232	3,769,447	0.02	0.01
97	-1,401	898	443,117	3,769,427	0.02	0.01
98	-1,066	901	443,451	3,769,429	0.02	0.01
99	-1,060	991	443,458	3,769,520	0.02	0.01
100	-1,068	1,059	443,450	3,769,588	0.02	0.01
101	-966	1,080	443,552	3,769,609	0.02	0.01
102	-948	976	443,570	3,769,505	0.02	0.01
103	-1,011	926	443,507	3,769,454	0.02	0.01
104	-999	874	443,519	3,769,402	0.02	0.01
105	-934	915	443,584	3,769,444	0.02	0.01
106	-736	929	443,781	3,769,458	0.03	0.00
107	-789	911	443,729	3,769,439	0.03	0.00
108	-831	1,001	443,687	3,769,530	0.02	0.01
109	-797	1,056	443,721	3,769,585	0.02	0.01
110	-725	1,051	443,793	3,769,579	0.02	0.01
111	-724	1,131	443,794	3,769,660	0.02	0.01
112	-796	1,116	443,721	3,769,644	0.02	0.01
113	-799	1,176	443,719	3,769,704	0.02	0.01
114	-671	1,113	443,847	3,769,642	0.02	0.01
115	-303	1,090	444,215	3,769,619	0.03	0.00
116	-284	1,041	444,234	3,769,570	0.03	0.00
117	-233	1,064	444,285	3,769,592	0.03	0.00
118	-149	1,112	444,368	3,769,641	0.03	0.00
119	-76	1,151	444,442	3,769,680	0.03	0.00
120	-176	1,178	444,341	3,769,707	0.03	0.00
121	-231	1,163	444,286	3,769,692	0.03	0.00
122	-285	1,237	444,233	3,769,766	0.03	0.00
123	-380	1,200	444,138	3,769,729	0.03	0.00
124	-390	828	444,128	3,769,357	0.04	-0.01
125	-516	1,087	444,001	3,769,616	0.03	0.00
126	279	1,124	444,797	3,769,653	0.04	-0.01
127	440	1,149	444,957	3,769,677	0.04	-0.01
128	1,137	966	445,654	3,769,495	0.07	-0.20
129	1,116	869	445,634	3,769,398	0.08	-0.29
130	1,051	1,171	445,569	3,769,699	0.05	-0.07

131	1,606	847	446,124	3,769,376	0.10	-0.61
132	1,593	975	446,111	3,769,504	0.08	-0.38
133	1,607	1,072	446,125	3,769,601	0.07	-0.27
134	1,611	1,152	446,129	3,769,681	0.06	-0.21
135	1,774	990	446,291	3,769,519	0.09	-0.43
136	1,876	1,070	446,394	3,769,599	0.08	-0.37
137	1,938	1,068	446,456	3,769,597	0.08	-0.39
138	1,966	999	446,484	3,769,528	0.09	-0.50
139	1,790	916	446,308	3,769,445	0.10	-0.57
140	2,127	907	446,645	3,769,436	0.11	-0.71
141	2,015	838	446,533	3,769,367	0.12	-0.87
142	2,091	844	446,609	3,769,373	0.12	-0.86
143	2,252	931	446,770	3,769,460	0.10	-0.67
144	2,686	885	447,204	3,769,414	0.11	-0.53
145	2,628	1,042	447,146	3,769,570	0.09	-0.46
146	2,473	1,050	446,991	3,769,578	0.09	-0.49
147	2,739	1,096	447,257	3,769,625	0.09	-0.40

Health Impacts from Operational Activities Project Compared to Without Project – Offsite Worker - Chronic

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	7	-1,125	444,525	3,767,404	0.02	0.03
2	-214	-1,028	444,304	3,767,501	0.03	0.04
3	-320	-985	444,198	3,767,544	0.03	0.04
4	-402	-968	444,116	3,767,561	0.03	0.04
5	-458	-943	444,059	3,767,586	0.03	0.04
6	-540	-871	443,978	3,767,658	0.03	0.04
7	-614	-843	443,904	3,767,686	0.03	0.04
8	-684	-841	443,834	3,767,688	0.03	0.04
9	-742	-799	443,775	3,767,730	0.03	0.04
10	-841	-773	443,677	3,767,756	0.03	0.04
11	-1,172	-733	443,346	3,767,796	0.02	0.02
12	-966	-1,002	443,552	3,767,527	0.02	0.02
13	-1,447	-746	443,071	3,767,783	0.01	0.01
14	-1,598	-534	442,920	3,767,995	0.01	0.01
15	-1,600	-716	442,918	3,767,813	0.01	0.01
16	-1,810	-597	442,707	3,767,932	0.01	0.01
17	-2,090	-578	442,427	3,767,951	0.00	0.00
18	-2,089	-714	442,429	3,767,815	0.00	0.00
19	-1,812	-716	442,706	3,767,813	0.01	0.01
20	-1,856	-388	442,662	3,768,140	0.00	0.00
21	-2,104	-421	442,414	3,768,108	0.00	0.00
22	-2,240	-345	442,278	3,768,184	0.00	0.00
23	-2,391	-248	442,126	3,768,281	0.00	0.00
24	-2,609	-48	441,909	3,768,481	0.00	0.00
25	-2,473	-265	442,045	3,768,264	0.00	0.00
26	-2,579	-161	441,939	3,768,368	0.00	0.00
27	827	-940	445,345	3,767,588	0.01	0.04
28	1,016	-940	445,534	3,767,588	0.01	0.04
29	785	-1,121	445,303	3,767,408	0.01	0.03
30	961	-1,074	445,478	3,767,455	0.01	0.03
31	987	-1,275	445,505	3,767,254	0.01	0.03
32	252	-1,254	444,770	3,767,274	0.01	0.02
33	455	-1,330	444,973	3,767,199	0.01	0.02
34	613	-1,435	445,131	3,767,094	0.01	0.02
35	1,248	-969	445,766	3,767,559	0.01	0.04
36	1,239	-1,188	445,757	3,767,341	0.01	0.03
37	1,244	-1,381	445,761	3,767,147	0.01	0.02
38	1,382	-972	445,899	3,767,557	0.01	0.05
39	1,382	-1,174	445,899	3,767,355	0.01	0.03
40	1,391	-1,390	445,908	3,767,138	0.01	0.02
41	1,682	-1,009	446,200	3,767,519	0.01	0.04
42	1,736	-1,263	446,254	3,767,265	0.00	0.03

43	2,602	-579	447,119	3,767,950	0.01	0.05
44	2,599	-760	447,117	3,767,769	0.00	0.03
45	2,782	-579	447,300	3,767,950	0.01	0.04
46	2,785	-749	447,303	3,767,780	0.00	0.02
47	3,005	-705	447,523	3,767,824	0.00	0.02
48	2,442	-946	446,959	3,767,583	0.00	0.02
49	2,586	-954	447,104	3,767,575	0.00	0.02
50	2,769	-951	447,287	3,767,578	0.00	0.01
51	2,982	-951	447,499	3,767,578	0.00	0.01
52	2,463	-1,087	446,980	3,767,442	0.00	0.02
53	2,623	-1,090	447,140	3,767,439	0.00	0.01
54	2,811	-1,087	447,329	3,767,442	0.00	0.01
55	2,434	-1,252	446,952	3,767,276	0.00	0.01
56	2,628	-1,266	447,145	3,767,263	0.00	0.01
57	2,795	-1,252	447,313	3,767,276	0.00	0.01
58	2,035	-1,507	446,553	3,767,022	0.00	0.01
59	2,114	-1,653	446,632	3,766,875	0.00	0.01
60	2,083	-985	446,600	3,767,544	0.00	0.04
61	2,415	-1,425	446,933	3,767,103	0.00	0.01
62	3,404	-181	447,922	3,768,348	0.01	0.04
63	3,396	-361	447,914	3,768,167	0.01	0.03
64	3,525	-422	448,042	3,768,107	0.00	0.02
65	3,530	-209	448,048	3,768,319	0.01	0.04
66	3,420	-561	447,938	3,767,968	0.00	0.02
67	3,386	13	447,903	3,768,542	0.01	0.05
68	3,556	5	448,074	3,768,534	0.01	0.04
69	3,525	244	448,042	3,768,773	0.01	0.04
70	3,210	265	447,728	3,768,794	0.01	0.04
71	3,210	448	447,728	3,768,977	0.01	0.02
72	3,409	380	447,927	3,768,909	0.01	0.03
73	3,179	716	447,696	3,769,244	0.01	-0.01
74	3,370	721	447,888	3,769,250	0.01	0.00
75	3,024	687	447,542	3,769,216	0.01	-0.02
76	2,791	708	447,309	3,769,237	0.01	-0.04
77	-2,356	533	442,161	3,769,062	0.00	0.00
78	-2,353	617	442,165	3,769,146	0.00	0.00
79	-2,453	616	442,065	3,769,145	0.00	0.00
80	-2,454	524	442,064	3,769,053	0.00	0.00
81	-2,076	786	442,442	3,769,314	0.00	0.00
82	-2,019	788	442,499	3,769,317	0.00	0.00
83	-1,595	781	442,923	3,769,310	0.00	0.00
84	-1,505	786	443,013	3,769,314	0.00	0.00
85	-1,678	742	442,839	3,769,271	0.00	0.00
86	-1,854	776	442,664	3,769,304	0.00	0.00

87	-1,965	776	442,553	3,769,305	0.00	0.00
88	-1,911	775	442,606	3,769,304	0.00	0.00
89	-1,394	986	443,124	3,769,515	0.00	0.00
90	-1,282	993	443,236	3,769,522	0.00	0.00
91	-1,186	1,005	443,332	3,769,534	0.00	0.00
92	-1,181	959	443,337	3,769,488	0.00	0.00
93	-1,186	914	443,331	3,769,442	0.00	0.00
94	-1,189	871	443,329	3,769,400	0.00	0.00
95	-1,292	880	443,226	3,769,409	0.00	0.00
96	-1,286	918	443,232	3,769,447	0.00	0.00
97	-1,401	898	443,117	3,769,427	0.00	0.00
98	-1,066	901	443,451	3,769,429	0.00	0.00
99	-1,060	991	443,458	3,769,520	0.00	0.00
100	-1,068	1,059	443,450	3,769,588	0.00	0.00
101	-966	1,080	443,552	3,769,609	0.00	0.00
102	-948	976	443,570	3,769,505	0.00	0.00
103	-1,011	926	443,507	3,769,454	0.00	0.00
104	-999	874	443,519	3,769,402	0.00	0.00
105	-934	915	443,584	3,769,444	0.00	0.00
106	-736	929	443,781	3,769,458	0.00	0.00
107	-789	911	443,729	3,769,439	0.00	0.00
108	-831	1,001	443,687	3,769,530	0.00	0.00
109	-797	1,056	443,721	3,769,585	0.00	0.00
110	-725	1,051	443,793	3,769,579	0.00	0.00
111	-724	1,131	443,794	3,769,660	0.00	0.00
112	-796	1,116	443,721	3,769,644	0.00	0.00
113	-799	1,176	443,719	3,769,704	0.00	0.00
114	-671	1,113	443,847	3,769,642	0.00	0.00
115	-303	1,090	444,215	3,769,619	0.00	0.00
116	-284	1,041	444,234	3,769,570	0.00	0.00
117	-233	1,064	444,285	3,769,592	0.00	0.00
118	-149	1,112	444,368	3,769,641	0.00	0.00
119	-76	1,151	444,442	3,769,680	0.00	0.00
120	-176	1,178	444,341	3,769,707	0.00	0.00
121	-231	1,163	444,286	3,769,692	0.00	0.00
122	-285	1,237	444,233	3,769,766	0.00	0.00
123	-380	1,200	444,138	3,769,729	0.00	0.00
124	-390	828	444,128	3,769,357	0.00	0.00
125	-516	1,087	444,001	3,769,616	0.00	0.00
126	279	1,124	444,797	3,769,653	0.00	0.00
127	440	1,149	444,957	3,769,677	0.00	0.00
128	1,137	966	445,654	3,769,495	0.01	-0.02
129	1,116	869	445,634	3,769,398	0.01	-0.03
130	1,051	1,171	445,569	3,769,699	0.01	-0.01

131	1,606	847	446,124	3,769,376	0.01	-0.06
132	1,593	975	446,111	3,769,504	0.01	-0.04
133	1,607	1,072	446,125	3,769,601	0.01	-0.03
134	1,611	1,152	446,129	3,769,681	0.01	-0.02
135	1,774	990	446,291	3,769,519	0.01	-0.04
136	1,876	1,070	446,394	3,769,599	0.01	-0.04
137	1,938	1,068	446,456	3,769,597	0.01	-0.04
138	1,966	999	446,484	3,769,528	0.01	-0.05
139	1,790	916	446,308	3,769,445	0.01	-0.06
140	2,127	907	446,645	3,769,436	0.01	-0.07
141	2,015	838	446,533	3,769,367	0.01	-0.08
142	2,091	844	446,609	3,769,373	0.01	-0.08
143	2,252	931	446,770	3,769,460	0.01	-0.06
144	2,686	885	447,204	3,769,414	0.01	-0.05
145	2,628	1,042	447,146	3,769,570	0.01	-0.05
146	2,473	1,050	446,991	3,769,578	0.01	-0.05
147	2,739	1,096	447,257	3,769,625	0.01	-0.04

Health Impacts from Operational Activities Project Compared to Without Project – Offsite Worker - Acute

ID	X (m)	Y (m)	UTM X (m)	UTM Y (m)	Phase 1	Phase 2
1	7	-1,125	444,525	3,767,404	0.08	0.09
2	-214	-1,028	444,304	3,767,501	0.05	0.15
3	-320	-985	444,198	3,767,544	0.09	0.18
4	-402	-968	444,116	3,767,561	0.11	0.17
5	-458	-943	444,059	3,767,586	0.11	0.16
6	-540	-871	443,978	3,767,658	0.14	0.11
7	-614	-843	443,904	3,767,686	0.16	0.09
8	-684	-841	443,834	3,767,688	0.17	0.07
9	-742	-799	443,775	3,767,730	0.19	0.06
10	-841	-773	443,677	3,767,756	0.21	0.06
11	-1,172	-733	443,346	3,767,796	0.19	0.10
12	-966	-1,002	443,552	3,767,527	0.14	0.04
13	-1,447	-746	443,071	3,767,783	0.08	0.13
14	-1,598	-534	442,920	3,767,995	0.11	0.18
15	-1,600	-716	442,918	3,767,813	0.03	0.15
16	-1,810	-597	442,707	3,767,932	0.08	0.14
17	-2,090	-578	442,427	3,767,951	0.07	0.10
18	-2,089	-714	442,429	3,767,815	0.04	0.13
19	-1,812	-716	442,706	3,767,813	0.03	0.14
20	-1,856	-388	442,662	3,768,140	0.11	0.20
21	-2,104	-421	442,414	3,768,108	0.09	0.15
22	-2,240	-345	442,278	3,768,184	0.13	0.14
23	-2,391	-248	442,126	3,768,281	0.14	0.12
24	-2,609	-48	441,909	3,768,481	0.12	0.13
25	-2,473	-265	442,045	3,768,264	0.13	0.12
26	-2,579	-161	441,939	3,768,368	0.13	0.12
27	827	-940	445,345	3,767,588	-0.02	0.14
28	1,016	-940	445,534	3,767,588	0.00	0.08
29	785	-1,121	445,303	3,767,408	-0.02	0.08
30	961	-1,074	445,478	3,767,455	-0.02	0.03
31	987	-1,275	445,505	3,767,254	-0.04	-0.07
32	252	-1,254	444,770	3,767,274	-0.02	0.05
33	455	-1,330	444,973	3,767,199	-0.01	0.04
34	613	-1,435	445,131	3,767,094	-0.03	0.00
35	1,248	-969	445,766	3,767,559	-0.03	-0.02
36	1,239	-1,188	445,757	3,767,341	-0.04	-0.07
37	1,244	-1,381	445,761	3,767,147	-0.03	-0.05
38	1,382	-972	445,899	3,767,557	-0.04	-0.03
39	1,382	-1,174	445,899	3,767,355	-0.02	-0.01
40	1,391	-1,390	445,908	3,767,138	-0.01	0.01
41	1,682	-1,009	446,200	3,767,519	0.03	0.18
42	1,736	-1,263	446,254	3,767,265	0.02	0.10

43	2,602	-579	447,119	3,767,950	0.17	0.46
44	2,599	-760	447,117	3,767,769	0.02	0.19
45	2,782	-579	447,300	3,767,950	0.15	0.37
46	2,785	-749	447,303	3,767,780	0.09	0.22
47	3,005	-705	447,523	3,767,824	0.13	0.28
48	2,442	-946	446,959	3,767,583	0.01	0.09
49	2,586	-954	447,104	3,767,575	0.01	0.10
50	2,769	-951	447,287	3,767,578	0.02	0.11
51	2,982	-951	447,499	3,767,578	0.01	0.08
52	2,463	-1,087	446,980	3,767,442	0.03	0.07
53	2,623	-1,090	447,140	3,767,439	0.01	0.04
54	2,811	-1,087	447,329	3,767,442	0.02	0.07
55	2,434	-1,252	446,952	3,767,276	0.04	0.06
56	2,628	-1,266	447,145	3,767,263	0.02	0.04
57	2,795	-1,252	447,313	3,767,276	0.02	0.02
58	2,035	-1,507	446,553	3,767,022	0.01	0.03
59	2,114	-1,653	446,632	3,766,875	0.02	0.03
60	2,083	-985	446,600	3,767,544	0.06	0.13
61	2,415	-1,425	446,933	3,767,103	0.04	0.07
62	3,404	-181	447,922	3,768,348	0.09	-0.08
63	3,396	-361	447,914	3,768,167	0.04	-0.10
64	3,525	-422	448,042	3,768,107	0.03	-0.10
65	3,530	-209	448,048	3,768,319	0.08	-0.07
66	3,420	-561	447,938	3,767,968	0.04	-0.04
67	3,386	13	447,903	3,768,542	0.05	-0.02
68	3,556	5	448,074	3,768,534	0.06	0.00
69	3,525	244	448,042	3,768,773	0.03	-0.05
70	3,210	265	447,728	3,768,794	0.03	-0.08
71	3,210	448	447,728	3,768,977	0.01	-0.09
72	3,409	380	447,927	3,768,909	0.01	-0.08
73	3,179	716	447,696	3,769,244	0.01	-0.05
74	3,370	721	447,888	3,769,250	0.01	-0.03
75	3,024	687	447,542	3,769,216	0.01	-0.07
76	2,791	708	447,309	3,769,237	0.04	-0.12
77	-2,356	533	442,161	3,769,062	0.01	-0.09
78	-2,353	617	442,165	3,769,146	0.02	-0.06
79	-2,453	616	442,065	3,769,145	0.02	-0.06
80	-2,454	524	442,064	3,769,053	0.00	-0.09
81	-2,076	786	442,442	3,769,314	0.06	-0.04
82	-2,019	788	442,499	3,769,317	0.06	-0.04
83	-1,595	781	442,923	3,769,310	0.05	-0.07
84	-1,505	786	443,013	3,769,314	0.05	-0.07
85	-1,678	742	442,839	3,769,271	0.06	-0.08
86	-1,854	776	442,664	3,769,304	0.06	-0.05

87	-1,965	776	442,553	3,769,305	0.06	-0.04
88	-1,911	775	442,606	3,769,304	0.06	-0.04
89	-1,394	986	443,124	3,769,515	0.03	0.01
90	-1,282	993	443,236	3,769,522	0.04	0.01
91	-1,186	1,005	443,332	3,769,534	0.04	0.01
92	-1,181	959	443,337	3,769,488	0.04	0.01
93	-1,186	914	443,331	3,769,442	0.04	-0.01
94	-1,189	871	443,329	3,769,400	0.04	-0.03
95	-1,292	880	443,226	3,769,409	0.04	-0.03
96	-1,286	918	443,232	3,769,447	0.04	-0.01
97	-1,401	898	443,117	3,769,427	0.03	-0.03
98	-1,066	901	443,451	3,769,429	0.04	-0.01
99	-1,060	991	443,458	3,769,520	0.04	0.01
100	-1,068	1,059	443,450	3,769,588	0.03	0.01
101	-966	1,080	443,552	3,769,609	0.02	0.01
102	-948	976	443,570	3,769,505	0.03	0.01
103	-1,011	926	443,507	3,769,454	0.04	0.01
104	-999	874	443,519	3,769,402	0.04	-0.02
105	-934	915	443,584	3,769,444	0.03	0.01
106	-736	929	443,781	3,769,458	-0.01	0.01
107	-789	911	443,729	3,769,439	0.02	0.01
108	-831	1,001	443,687	3,769,530	0.01	0.01
109	-797	1,056	443,721	3,769,585	-0.02	0.00
110	-725	1,051	443,793	3,769,579	-0.02	-0.01
111	-724	1,131	443,794	3,769,660	-0.02	-0.02
112	-796	1,116	443,721	3,769,644	-0.02	-0.01
113	-799	1,176	443,719	3,769,704	-0.02	-0.02
114	-671	1,113	443,847	3,769,642	-0.02	-0.03
115	-303	1,090	444,215	3,769,619	0.00	-0.06
116	-284	1,041	444,234	3,769,570	0.00	-0.06
117	-233	1,064	444,285	3,769,592	0.00	-0.06
118	-149	1,112	444,368	3,769,641	0.01	-0.06
119	-76	1,151	444,442	3,769,680	0.01	-0.07
120	-176	1,178	444,341	3,769,707	0.01	-0.06
121	-231	1,163	444,286	3,769,692	0.00	-0.06
122	-285	1,237	444,233	3,769,766	0.00	-0.06
123	-380	1,200	444,138	3,769,729	0.00	-0.05
124	-390	828	444,128	3,769,357	-0.03	-0.04
125	-516	1,087	444,001	3,769,616	-0.01	-0.04
126	279	1,124	444,797	3,769,653	0.01	-0.15
127	440	1,149	444,957	3,769,677	0.00	-0.20
128	1,137	966	445,654	3,769,495	0.01	-0.19
129	1,116	869	445,634	3,769,398	0.01	-0.22
130	1,051	1,171	445,569	3,769,699	0.01	-0.08

131	1,606	847	446,124	3,769,376	0.00	-0.60
132	1,593	975	446,111	3,769,504	0.00	-0.53
133	1,607	1,072	446,125	3,769,601	0.00	-0.49
134	1,611	1,152	446,129	3,769,681	0.00	-0.45
135	1,774	990	446,291	3,769,519	0.01	-0.41
136	1,876	1,070	446,394	3,769,599	0.01	-0.26
137	1,938	1,068	446,456	3,769,597	0.01	-0.16
138	1,966	999	446,484	3,769,528	0.03	-0.20
139	1,790	916	446,308	3,769,445	0.03	-0.40
140	2,127	907	446,645	3,769,436	0.06	-0.24
141	2,015	838	446,533	3,769,367	0.06	-0.29
142	2,091	844	446,609	3,769,373	0.06	-0.28
143	2,252	931	446,770	3,769,460	0.06	-0.24
144	2,686	885	447,204	3,769,414	0.06	-0.16
145	2,628	1,042	447,146	3,769,570	0.05	-0.19
146	2,473	1,050	446,991	3,769,578	0.05	-0.19
147	2,739	1,096	447,257	3,769,625	0.05	-0.17

Attachment D

Electronic Modeling Files (upon request)

Two types of air quality analysis were performed in support of the SACC Project – emission inventories and dispersion analysis. The emission inventories provide an indication of total air pollutant emissions (carbon monoxide, nitrogen oxides, sulfur oxides, volatile organic compounds, particulate matter less than or equal to 10 micrometers, and particulate matter less than or equal to 2.5 micrometers) with the Baseline Condition, 2025 (Phase 1), and 2029 (Phase 2) for construction and aircraft operations.

The dispersion modeling analysis evaluates local criteria pollutant concentrations due to aircraft-related emission sources for direct comparison to the Ambient Air Quality Standards for carbon monoxide, nitrogen dioxide, sulfur oxides, particulate matter less than or equal to 10 micrometers, and particulate matter less than or equal to 2.5 micrometers on and in the vicinity of the Airport.

Construction

CALEEMOD Emissions Inventory
Phase 1 – Annual, Summer, Winter
Phase 2 – Annual, Summer, Winter
Recycling Plant Onsite Emission Sources

AERMOD AAQS Dispersion Modeling Input/Output
    Input/Output (at unit emission rate of 1 g/s)
AERMOD HRA Dispersion Modeling Input/Output
    Input/Output (at unit emission rate of 1 g/s)

Operations

AEDT Emission inventory
    2021 Baseline Condition
    2025 No Action
    2029 No Action
    Phase 1 SACC
    Phase 2 SACC

AEDT Dispersion Modeling Input/Output
    ONT 2021 Baseline
    ONT 2025 No Action
    ONT 2025 No Action with SACC
    ONT 2029 No Action
    ONT 2029 No Action with SACC

AERMOD AAQS Dispersion Modeling Input/Output

Input/Output including plot files for CO, NO2, SO2, PM10, and PM2.5 (at modeled emission rates)

AERMOD HRA Dispersion Modeling Input/Output

Input/Output including plot files for VOC (at modeled emission rates)

ONT 2021 Baseline

ONT 2025 No Action

ONT 2025 No Action with SACC

ONT 2029 No Action

ONT 2029 No Action with SACC

HARP Input/Output

ONT 2021 Baseline

ONT 2025 No Action

ONT 2025 No Action with SACC

ONT 2029 No Action

ONT 2029 No Action with SACC

APPENDIX 5.3-1

Ontario International Airport South Airport Cargo Center
Biological Resources Assessment
ELMT Consulting, Inc. October 2022

BIOLOGICAL ASSESSMENT

ONTARIO INTERNATIONAL AIRPORT
SOUTH AIRPORT CARGO CENTER

Ontario International Airport Authority
1923 East Avion Street, Ontario, California 91761

Prepared For:

U.S. Department of Transportation
Federal Aviation Administration
Office of Airports – Western Pacific Region

Prepared By:

ELMT Consulting, Inc.
2201 N. Grand Avenue #10098
Santa Ana, California 92711

October 2022

Table of Contents

Section 1 Introduction and Background 1

1.1 General Location of OIAA and Description of the Proposed Project 1

1.2 Proposed Project Implementation Schedule 2

1.3 Proposed Project Purpose and Need 2

1.4 Description of the Proposed Project Layout 3

Section 2 Proposed Project Location and Action Area (AA) 4

2.1 Proposed Project Location 4

2.2 Identification of the Action Area 4

Section 3 Listed Species and Critical Habitat in the Action Area 5

3.1 Methodolgy- Database Review 5

3.2 Methodolgy – Field Review 5

3.3 Listed Species – United States Fish and Wildlife Service 6

3.4 Critical Habitat 6

Section 4 Migratory Bird Treaty Act Bird Species 8

4.1 Migratory Bird Treaty Act (MBTA) Listed Species 8

4.1.1 Burrowing Owl 8

Section 5 Existing Conditions 10

5.1 Habitat 10

5.1.1 Disturbed 10

5.1.2 Developed 11

5.2 Wildlife 11

5.2.1 Fish 11

5.2.2 Amphibians 11

5.2.3 Reptiles 11

5.2.4 Birds 12

5.2.5 Mammals 12

5.3 Special-Status species 12

5.3.1 Burrowing Owl 12

Section 6 Effects of the Proposed Action 14

6.1 Sensitive Plants and Wildlife 14

6.2 Critical Habitat 14

6.3 Migratory Birds 14

6.3.1 *Mitigation Measures* 14
Section 7 **Conclusions** **16**
7.1 Listed Species and Critical Habitat 16
7.2 Burrowing Owl 16
7.2.1 *Summary of Mitigation Measures* 16
Section 8 **Literature Cited** **17**
Section 9 **List of Preparers** **19**

APPENDIX

Appendix A Project Exhibits
Appendix B Proposed Project Site Plan
Appendix C IPaC Species List
Appendix D Proposed Project Site Photographs

Section 1 Introduction and Background

The purpose of this Biological Assessment (BA) is to address potential construction and operational effects of the proposed South Airport Cargo Center Project (Proposed Project), within the Ontario International Airport (ONT or Airport) property boundaries, on species listed as endangered or threatened under the Endangered Species Act (ESA), or their designated critical habitat. The U.S. Department of Transportation, Federal Aviation Administration (FAA) must approve revisions to the ONT Airport Layout Plan (ALP). As such, the FAA's approval of revisions to the ALP constitutes a federal action, which the FAA must demonstrate compliance with the National Environmental Policy Act (NEPA). The proposed project would develop facilities at the Airport to meet the Project Proponent's need for an additional US hub facility to accommodate increasing cargo volumes in the Project Proponent's Network System.

The entirety of the proposed project's construction footprint exists within ONT property and has been previously developed with aviation support facilities consisting of pavement or gravel, and/or maintained on a routine basis through disking and mowing activities.

1.1 GENERAL LOCATION OF OIAA AND DESCRIPTION OF THE PROPOSED PROJECT

Ontario International Airport is a public commercial service airport located south of Interstate 10, west of Interstate 15 and north of State Route 60 in the City of Ontario, San Bernardino County, California (Exhibit 1 and Exhibit 2). Ontario International Airport covers approximately 1,741 acres (705 ha) and has two parallel runways, oriented east to west. Ontario International Airport currently accommodates general aviation, passenger, cargo, and military operations.

The Proposed Project involves development of an air cargo facility and supporting infrastructure on an approximate 97-acre site located south of the runways on existing Airport property (refer to Appendix B, *Proposed Project Site Plan*). The Proposed Project includes:

- Construction of a multi-level 857,000-square-foot cargo sort, distribution, and office building (the Air Cargo Sort Building) with a height of approximately 60 feet in height. The building would include 755,500 square feet of cargo sorting area and 101,500 square feet of office space on 3 floors. The ground floor would include 348,505 square feet, the second floor would include 347,370 square feet, and the mezzanine third floor would include 161,125 square feet. The building would include 21 service doors on the north, west, and east sides of the building to accommodate Unit Load Devices (ULDs) and 67 trailer dock doors on the south and east sides of the building facing the truckyard and truck parking/staging area. A truck yard constructed of light-duty concrete would be located on the southside of the building.
- Construction of a parking structure with 900 parking stalls for employee use would be on the south side of East Avion Street. Depending on the final design of this parking structure, it would contain three or four levels. A pedestrian bridge would connect the parking garage to the east wing of the Air Cargo Sort Building. Thirty-three additional at-grade visitor parking spaces are proposed next to the main entrance to the Air Cargo Sort Building.

- Construction of heavy-duty concrete taxilanes, Taxilanes A, B1 and C, and approximately 2,514,000 square-feet of heavy-duty concrete aircraft apron on the west, north, and east sides of the Air Cargo Sort Building. A total of 26 aircraft parking positions would be provided on the apron. The length of these taxilanes from Taxiway S to the apron would be 420 feet. The width of the taxilane connections to Taxiway S would 75 feet with the width of the taxilanes on the apron at 258 feet.
- Two aviation support buildings: A GSE Maintenance Building and an Aviation Line Maintenance Building. Each building would be approximately 27,000 square feet in size. The GSE Maintenance Building would have a maximum height of 20 feet and the Aviation Line Maintenance Building would have a maximum height of 18 feet.
- Installation of new security fencing, vehicle and pedestrian gates, and a guard shack.
- Installation of pole-mounted and/or building-mounted exterior lights for vehicle and truck parking lots, the Air Cargo Sort Building, and aircraft parking apron.
- Installation of appropriate airfield lights and signage for the aircraft parking apron and taxilanes.
- Demolition of existing structures and site improvements and relocation of existing uses and facilities in the Phase 2 portion of the Proposed Project Site to other locations at ONT.
- Extension of utilities to the Proposed Project site including electrical, natural gas, water, sanitary sewer, communications, and other related infrastructure.
- Installation of stormwater management systems and infrastructure.
- Landscaping.

1.2 PROPOSED PROJECT IMPLEMENTATION SCHEDULE

The proposed Project would be implemented in two phases anticipated to be initiated in 2023 and completed by 2029. Construction of Phase 1 of the Project is planned to start in the third quarter of 2023 on the eastern portion of the Proposed Project Site and be completed by the third quarter of 2025. Phase 1 construction would include the demolition of existing structures and site improvements in the Phase 1 area, site preparation and grading, and construction of all proposed improvements in the eastern 60 acres of the Proposed Project Site, including the Air Cargo Sort Building, aircraft apron improvements, and parking garage.

After completion of Phase 1, relocation of existing uses and facilities in the Phase 2 area on the western portion of the Proposed Project Site would occur, followed by the demolition of existing structures and site improvements in the Phase 2 area including site preparation and grading. Construction of the remaining improvements, including the expansion of the Air Cargo Sort Building and aircraft apron improvements, would begin in the third quarter of 2027, after site preparation activities, and be completed by 2029.

1.3 PROPOSED PROJECT PURPOSE AND NEED

The purpose of the Proposed Project is to develop and provide facilities to support large-scale air cargo operations. The OIAA and the Project Proponent have identified a need for this facility

to accommodate projected growth in cargo volumes and increase service reliability. The Project Proponent's US hub facility is operating at maximum capacity. Based on projected growth in cargo volumes over the next 3-5 years, the capacity of the existing hub facility will be exceeded.

1.4 DESCRIPTION OF THE PROPOSED PROJECT LAYOUT

OIAA, in conjunction with the Project Proponent propose to develop the Proposed Project on an approximate 97-acre site owned by OIAA within the airport property (Exhibit 3). The Proposed Project would be located south of Taxiway 'S'. An aircraft apron would be located adjacent to Taxiway 'S' with three new taxilanes connecting to Taxiway 'S' and containing 26 aircraft parking positions. The Air Cargo Sort Building would be located adjacent to the aircraft apron with the employee parking garage located south of E. Avion Street.

Section 2 Proposed Project Location and Action Area (AA)

2.1 PROPOSED PROJECT LOCATION

The Proposed Project is located on an approximate 97-acre portion of the Airport, south of Taxiway 'S', north of East Mission Boulevard and west of the Cucamonga Canyon Channel in the City of Ontario, San Bernardino County, California. More specifically, the Proposed Project is located within the *Ontario* quadrangle of the United States Geological Survey's (USGS) 7.5-minute topographic map series within Township 1 South, Range 7 West, Sections 27, and 34. The majority of the Proposed Project is located north of East Avion Street with the remainder of the Proposed Project Site located between East Avion Street and Mission Boulevard west of South Hellman Avenue. The Proposed Project Site includes portions of Assessor's Parcel Numbers (APN) 11326106, 11326107, 11326108, 11327101, and 11327102. Refer to Exhibits 1-3 in Appendix A.

The Proposed Project is located within an almost entirely developed area in the City of Ontario, San Bernardino County. Primary land uses surrounding the Proposed Project Site include airport land uses, and industrial development. Airport land uses surround the Proposed Project Site on all four sides. Farther south is the Union Pacific Railroad/Metrolink right-of-way and Mission Boulevard, beyond which are industrial land uses.

2.2 IDENTIFICATION OF THE ACTION AREA

The Proposed Project's Action Area (AA) encompasses all areas that may be affected directly or indirectly by the proposed project encompassing the construction footprint, as well as immediate adjacent areas outside of the Proposed Project Site.

The *direct* AA is the area proposed for development and is comprised of pavement and buildings (10 buildings), parking facilities, and landscaped/graded areas.

The *indirect* AA includes an approximate 200-foot buffer, adjacent area that border the Proposed Project's AA but are not anticipated to be impacted directly by the Proposed Action. These *indirect* areas include: airport infrastructure such as: a concrete runway, operation facilities, existing buildings and security fencing structures, as well as disturbed land that is routinely disked/graded as part of normal airport operations but will not be directly impacted by the Project construction or staging. For this BA, the AA comprises the *direct* and *indirect* AAs depicted in Exhibit 3**.**

Section 3 Listed Species and Critical Habitat in the Action Area

The objectives of this BA are to determine whether the AA supports federally listed threatened and endangered species or their habitat, and to address the potential effects associated with the proposed project on federally listed species and critical habitat.

3.1 METHODOLOGY- DATABASE REVIEW

"Listed species" are defined as those plant and animal species currently listed by the USFWS under the ESA as threatened, endangered, or proposed as such (Endangered Species Act [16 U.S.C. Sections 1531-1544]). The list of ESA-listed species to be addressed in this BA is based on various databases searches within the USGS 7.5-minute Topographic Map for the *Guasti and Ontario* Quadrangle and a field study. The database searches included the following:

- USFWS threatened and endangered species occurrence GIS data overlay;
- USFWS Information, Planning, and Conservation System (IPaC);
- California Natural Diversity Database (CNDDB);
- California Native Plant Society Electronic Inventory (CNPSEI) database;
- Calflora Database; and
- Biogeographic Information & Observation System (BIOS).

3.2 METHODOLOGY – FIELD REVIEW

A field survey of the AA and buffer, where applicable, was conducted on September 29, 2021, by ELMT Consulting biologist Travis J. McGill. Mr. McGill is a biologist with 15 years of experience and a Bachelor of Science degree in Biology from the University of California – San Diego.

Mr. McGill's field survey of the AA was systematic and comprehensive with complete coverage of the AA along with a 200-foot survey buffer area, when appropriate and feasible (refer to Exhibit 3). The field surveys were designed to focus attention on the specific sensitive species that have been documented in the vicinity and/or whose habitat requirements may be present within the AA.

General wildlife species were detected during field surveys by sight, calls, tracks, scat, or other sign. In addition to species observed, expected wildlife usage of the Proposed Project Site was determined according to known habitat preferences of regional wildlife species and knowledge of their relative distributions in the area. The main focus of the assessment was to identify potential habitat for special status wildlife within the project area.

The entire land identified within the AA includes developed areas with pavement or gravel, or maintained land that is graded and mowed on a routine basis. There is no potential for any ESA species listed as endangered or threatened or their designated critical habitat to occur as none exist within the AA.

3.3 LISTED SPECIES – UNITED STATES FISH AND WILDLIFE SERVICE

The Proposed Project Site is located within an almost entirely developed area in the City of Ontario, San Bernardino County. Primary land uses surrounding the Proposed Project Site include airport land uses, and industrial development. Airport land uses surround the Proposed Project Site on all four sides. Farther south is the Union Pacific Railroad/Metrolink right-of-way and Mission Boulevard, beyond which are industrial land uses.

Table 2 represents a compiled list of results from the USFWS's Information, Planning and Consultation (IPaC) database of species which have been documented within the general vicinity of the AA and/or have the potential to be present within the AA based on proximity of the occurrence and potential for suitable habitat adjacent to or within the AA as documented by the CNDDB. The full results of the IPaC Database are provided in Appendix C.

Table 2 also provides a potential to occur assessment based on the database literature and the field surveys of the AA. Based on the USFWS IPaC database and field reconnaissance by qualified biologists that occurred on both September 29, 2021, suitable habitat and foraging potential for endangered, threatened or sensitive species do not exist within the AA due to the heavy level of existing development, disturbance and routine maintenance activities. Exhibit 4 depicts federally listed species, and burrowing owl, previously documented in proximity to the Project Site.

3.4 CRITICAL HABITAT

Under the federal Endangered Species Act, "Critical Habitat" is designated at the time of listing of a species or within one year of listing. Critical Habitat refers to specific areas within the geographical range of a species at the time it is listed that include the physical or biological features that are essential to the survival and eventual recovery of that species. Maintenance of these physical and biological features requires special management considerations or protection, regardless of whether individuals or the species are present or not. All federal agencies are required to consult with the United States Fish and Wildlife Service (USFWS) regarding activities they authorize, fund, or permit which may affect a federally listed species or its designated Critical Habitat. The purpose of the consultation is to ensure that projects will not jeopardize the continued existence of the listed species or adversely modify or destroy its designated Critical Habitat. The designation of Critical Habitat does not affect private landowners, unless a project they are proposing is on federal lands, uses federal funds, or requires federal authorization or permits (e.g., funding from the Federal Highways Administration or a CWA Permit from the Corps). If a there is a federal nexus, then the federal agency that is responsible for providing the funding or permit would consult with the USFWS.

The AA is not located within federally designated Critical Habitat. The nearest Critical Habitat to the AA occurs approximately 7.0 miles to the east for coastal California gnatcatcher (*Polioptila californica californica*), 7.0 miles to the north for San Bernardino kangaroo rat (*Dipodomys merriami parvus*), and approximately 7.5 miles southeast for least Bell's vireo (*Vireo bellii pusillus*), Santa Ana sucker (*Catostomus santaanae*), and southwestern willow flycatcher (*Empidonax traillii extimus*). Therefore, no impacts to federally designated Critical Habitat will occur from implementation of the proposed project.

Table 1: Federally Listed Species in the Action Area

Scientific Name Common Name	**Status**	**Habitat**	**Observed On-site**	**Potential to Occur**
WILDLIFE SPECIES				
Danaus plexippus monarch butterfly	Candidate	Occurs in open fields and meadows dominated by milkweed (*Asclepias* sp.). In winter, species can be found on the coast of southern California in Eucalyptus groves and at high altitudes in central Mexico.	No	**Presumed absent** The AA does not contain or occur within proximity of suitable habitat. Adequate forage is not available within the AA.
Dipodomys merriami parvus San Bernardino kangaroo rat	Endangered	Primarily found in Riversidean alluvial fan sage scrub (RAFSS) and sandy loam soils, alluvial fans and flood plains, and along washes with nearby sage scrub. May also occur at lower densities in Riversidean upland sage scrub, chaparral and grassland in uplands and tributaries in proximity to RAFSS habitat. Tends to avoid rocky substrates.	No	**Presumed absent** The AA does not contain or occur within proximity of suitable habitat. Adequate forage and suitable soils for burrowing are not within the AA.
Polioptila californica coastal California gnatcatcher	Threatened	Common yearlong resident of southern California in sage scrub habitats that are dominated by California sagebrush (*Artemisia californica*). Prefers scrub habitat with more low-growing vegetation. Species generally occurs below 750 feet above mean sea level (msl) along the coast and below 1,500 feet above msl within inland regions.	No	**Presumed Absent** The AA does not contain or occur within proximity of suitable habitat. Adequate forage and nesting sites are not available within the AA.
Rhaphiomidas terminatus abdominalis Delhi Sands flower-loving fly	Endangered	DSF habitat is limited to areas that include Delhi fine sand, an aeolian (wind-deposited) soil type. The highest density of DSF have been found in habitat that includes a variety of plants including California buckwheat, California croton, deerweed, and telegraph weed.	No	**Presumed Absent** The AA does not contain or occur within proximity of suitable habitat. Adequate forage and aeolian soils are not present within the AA.
PLANT SPECIES				
Ambrosia pumila San Diego ambrosia	Endangered	Occurs in open habitats in coarse substrates near drainages, and in upland areas on clay slopes or on the dry margins of vernal pools. This species occurs in a variety of associations that are dominated by sparse grasslands or marginal wetland habitats such as river terraces, pools, and alkali playas. Found at elevations ranging from 66 to 1,362 feet. Blooming period is from April to October.	No	**Presumed Absent** The AA does not support any of the required habitats and is not in proximity to any of these native habitats. The AA does not support upland habitats on clay soils or marginal wetland habitats such as vernal pools.

Since the AA for the proposed project, is not occupied or provides suitable habitat for any federally listed species, a determination of "***no effect on federally listed species or designated critical habitat***" is recommended.

Section 4 Migratory Bird Treaty Act Bird Species

4.1 MIGRATORY BIRD TREATY ACT (MBTA) LISTED SPECIES

The IPaC also lists migratory birds of concern that have been documented in the vicinity of the project. However, the proposed project AA is completely disturbed and void of any vegetation or natural features that could potentially provide suitable nesting or foraging habitat capable of supporting any of the migratory bird species identified in the IPaC list.

The complete list of migratory bird species identified by the USFWS IPaC is provided in Appendix C. The following does not represent the complete listing of MBTA species potentially affected by the proposed action. The following species were included in this BA based on regional and local significance.

4.1.1 Burrowing Owl

Status, Natural History and Distribution

Although not a federally listed species, the burrowing owl (*Athene cunicularia* [BUOW]) is protected under the MBTA and is listed as a *Migratory Birds of Conservation Concern (BCC)* by the USFWS and, therefore, also recognized by the CNDDB.

The burrowing owl (BUOW) is a ground dwelling owl typically found in arid prairies, fields, and open areas where vegetation is sparse and low to the ground. BUOW is heavily dependent upon the presence of mammal burrows, with ground squirrel burrows being a common choice, in its habitat to provide shelter from predators, inclement weather and to provide a nesting place (Coulombe 1971). They are also known to make use of human created structures, such as cement culverts and pipes, for burrows. BUOW spend a great deal of time standing on dirt mounds at the entrance to a burrow, or perched on a fence post or other low to the ground perch from which they hunt for prey. They feed primarily on insects such as grasshoppers, June beetles and moths, but will also take small rodents, birds, and reptiles. They are active during the day and night, but are considered a crepuscular owl; generally observed in the early morning hours or at twilight. The BUOW maintains a burrow year-round and is typically monogamous, generally raising 2-3 chicks during the springtime breeding season recognized as between February 1 and August 31.

While the BUOW is distributed throughout North America, local subpopulations within California are declining. Throughout its range, the BUOW is vulnerable to habitat loss, predation, vehicular collisions, destruction of burrow sites, and poisoning of ground squirrels (Grinnell and Miller 1944, Zarn 1974, Remsen 1978). BUOW have disappeared from significant portions of their range in the last 15 years and, overall, nearly 60% of the breeding groups of owls known to have existed in California during the 1980s had disappeared by the early 1990s (Burrowing Owl Consortium 1993).

BUOW do migrate but are year-round residents in the southern California region. They are most likely to be observed during the breeding season, recognized by the CDFW as between February 1 and August 31 when they are actively foraging and feeding chicks. BUOW are primarily crepuscular and active in the daylight hours but can also be nocturnal especially if a nocturnal prey species is seasonally present.

Potential to Occur

BUOWs have been documented approximately 900 feet east of the Proposed Project Site in a large undeveloped area south of the airport runway (Helix 2019), but no BUOW were observed within the undeveloped portions of the Proposed Project Site during the field survey.

No BUOWs or recent sign (i.e., pellets, feathers, castings, or whitewash) were observed during the field investigation. Portions of the Proposed Project Site, primarily the undeveloped areas on the eastern portion of the Proposed Project Site, are unvegetated and/or vegetated with a variety of low-growing plant species that allow for line-of-sight observation favored by BUOWs. However, no suitable burrows (>4 inches in diameter) capable of providing roosting and nesting opportunities were observed onsite. Further, the Proposed Project Site supports and is surrounded by tall structures, light poles, and fences that offer perching opportunities for larger raptor species (i.e., red-tailed hawk) that prey on BUOWs. In addition, due to the predominance of developed land in the immediate vicinity of the Proposed Project Site, the site is fairly isolated from suitable habitat nearby. Further, the intensity and frequency of existing routine anthropogenic disturbance associated with onsite weed abatement activities (i.e., mowing) are likely to preclude BUOWs from occurring onsite.

Based on the results of the field investigation, it was determined that Proposed Project Site has a low potential to support BUOWs. Due to existing routine anthropogenic disturbances onsite and lack of undeveloped land on and immediately surrounding the Proposed Project Site, a focused survey for BUOWs is not recommended.

Section 5 Existing Conditions

The Proposed Project is located within an almost entirely developed area in the City of Ontario, San Bernardino County. Primary land uses surrounding the Proposed Project Site include airport land uses, and industrial development. Airport land uses surround the Proposed Project Site on all four sides. Farther south is the Union Pacific Railroad/Metrolink right-of-way and Mission Boulevard, beyond which are industrial land uses.

The Proposed Project Site is almost entirely developed and currently supports aviation support facilities The Proposed Project Site is predominately covered by existing pavement and buildings (10 buildings), parking facilities, and landscaped areas. A small graded, disturbed, undeveloped area occurs on the eastern portion of the Proposed Project Site. Refer to Appendix D, *Site Photographs*, for representative site photographs. The Airport implements an active Wildlife Hazard Management Plan (WHMP) program that includes keeping grasses below 6 inches and routine disking

The onsite surface elevation ranges from approximately 890 to 920 feet above mean sea level, and slightly slopes from northwest to southeast, according to the USGS topographic map. Due to existing onsite development, the Proposed Project Site is relatively flat with no areas of topographic relief.

According to the NRCS Custom Soil Resource Report, the Proposed Project Site is underlain by Tujunga loamy sand (0 to 5 percent slopes). The Tujunga soil series consists of very deep, somewhat excessively drained soils that formed in alluvium from granitic sources. They are found on alluvial fans and floodplains, including urban areas. Soils within the Proposed Project Site have been heavily disturbed and compacted by the existing development which primarily include concrete and pavement over nearly the entire project site. The eastern portion of the Proposed Project Site includes an undeveloped area, but this area is heavily disturbed and routinely subject to weed abatement activities.

Along the eastern boundary of the Proposed Project Site, outside of the prosed limits of disturbance, Cucamonga Creek Channel is channelized and flows from north to south within a concrete lined box-culvert.

5.1 HABITAT

The majority of the AA is developed with no native habitat or soil. As a result, no plant communities were observed on the AA. However, two (2) land cover types that would be classified as disturbed and developed, are found within the AA (refer to Exhibit 5, *Vegetation*). These areas are not plant community classifications, but rather land cover types and are described in further detail below.

5.1.1 Disturbed

Disturbed areas are generally areas that are unpaved, have been subject to a high level of human disturbances from anthropogenic activities, support minimal vegetation, and no longer comprise a native plant community. Within the boundaries of the Proposed Project Site, disturbed areas occur on the eastern portion of the Proposed Project Site. These areas are routinely subject to weed abatement activities and

used as storage for cargo containers. Plant species occurring in disturbed areas onsite are composed of a mix of non-native and early successional plant species. Plant species observed within the disturbed area include cheeseweed (*Malva parviflora*), ragweed (*Ambrosia psilostachya*), doveweed (*Croton setigerus*), Russian thistle (*Salsolus tragus*), golden crownbeard (*Verbesina encelioides*), puncture vine (*Tribulus terrestris*), short-podded mustard (*Hirschfeldia incana*), red brome (*Bromus rubens*), Mediterranean grass (*Schismus barbatus*), Spanish lotus (*Acmispon americanus*), and prickly lettuce (*Lactuca serriola*).

5.1.2 Developed

Developed areas generally encompass all buildings/structures, ornamental landscaping, and other paved, impervious surfaces; such areas are dominant throughout the Proposed Project Site. The majority of the Proposed Project Site consists of developed areas that are devoid of vegetation, and/or support landscaped areas. Ornamental landscaping accounts for the majority of vegetation found in developed areas, and includes plant species such as liquid amber (*Liquidamber styraciflua*), silk oak (*Grevillea robusta*), jacaranda (*Jacaranda mimosifolia*), eucalyptus (*Eucalyptus sp*.), pine (*Pinus sp.*) and planted western sycamore (*Platanus racemosa*).

5.2 WILDLIFE

Plant communities provide foraging habitat, nesting and denning sites, and shelter from adverse weather or predation. This section provides a discussion of those wildlife species that were observed during the field survey and common species that are expected to occur within the Proposed Project Site based on the literature reviews. The discussion is to be used as a general reference and is limited by the season, time of day, and weather condition in which the field survey was conducted. Wildlife detections were based on calls, songs, scat, tracks, burrows, and direct observation.

5.2.1 Fish

No fish or hydrogeomorphic features (e.g., perennial creeks, ponds, lakes, reservoirs) that would provide suitable habitat for fish were observed on or within the vicinity of the Proposed Project Site. Therefore, no fish are expected to occur and are presumed absent from the Proposed Project Site.

5.2.2 Amphibians

No amphibians or hydrogeomorphic features (e.g., perennial creeks, ponds, lakes, reservoirs) that would provide suitable habitat for amphibian species were observed on or within the vicinity of the Proposed Project Site. Therefore, no amphibians are expected to occur on the Proposed Project Site and are presumed absent.

5.2.3 Reptiles

The disturbed area on the eastern portion of the Proposed Project Sitehas the potential to provide suitable foraging and cover habitat for a variety of reptilian species adapted to significant anthropogenic disturbance. No reptiles were observed during the field investigation. Common reptilian species that may occur on-site

include common side-blotched lizard (*Uta stansburiana elegans*), San Diego alligator lizard (*Elgaria multicarinata webbii*), and Great Basin fence lizard (*Sceloporus occidentalis longipes*).

5.2.4 Birds

The disturbed area on the eastern portion of the Proposed Project Site and ornamental landscaping found onsite have the potential to provide suitable foraging and nesting habitat for a variety of resident and migrant bird species adapted to significant anthropogenic disturbance. Avian species observed during the field investigation include house finch (*Haemorhous mexicanus*), Anna's hummingbird (*Calypte anna*), northern mockingbird (*Mimus polyglottos*), black phoebe (*Sayornis nigricans*), American kestrel (*Falco sparverius*), lesser goldfinch (*Spinus pstalria*), Say's phoebe (*Sayornis saya*), mourning dove (*Zenaida macroura*), European starling (*Sturnus vulgaris*), Eurasian collared-dove (*Streptopelia decaocto*), common raven (*Corvus corax*), red-tailed hawk (*Buteo jamaicensis*), and Cassin's kingbird (*Tyrannus vociferans*).

5.2.5 Mammals

The disturbed area on the eastern portion of the Proposed Project Site has the potential to provide suitable foraging and denning habitat for a limited amount of mammalian species adapted to significant anthropogenic disturbance. Most mammal species are nocturnal and are difficult to observe during a diurnal field visit. The only mammalian species observed during the field investigation were cottontail (*Sylvilagus audubonii*) and California ground squirrel (*Otospermophilus beecheyi*). Common mammalian species that have potential to occur on-site include opossum (*Didelphis virginiana*), raccoon (*Procyon lotor*), and coyote (*Canis latrans*). Structures and ornamental tree species may provide suitable roosting opportunities for local common bat species (i.e., California myotis (*Myotis californicus*), Mexican free-tailed bat (*Tadarida brasiliensis*), and little brown bat (*Myotis lucifugus*)), but the degree and frequency of existing and routine disturbance from existing onsite activities likely precludes them from roosting on-site. Additionally, most of these bats roost in caves, rock crevices, buildings, and sometimes dead trees, and the ornamental plant species found in the area do not typically provide suitable long-term roosting or maternity habitat. None of the sensitive bat species known to occur in the area are expected to occur onsite.

5.3 SENSITIVE SPECIES

No other State and/or federally listed threatened or endangered species, or other sensitive species were observed within or adjacent to the subject properties during the field survey, and no habitat exists on the Proposed Project Site that would be suitable to support any of the State and/or federally listed species that occur within the region.

Of all of the sensitive species identified in the database searches, only BUOW has a low potential to occur in the AA.

5.3.1 Burrowing Owl

This Biological Assessment is including information about BUOW based on previous requests by various offices of the U.S. Fish and Wildlife Service to the FAA to include information at various other airports

within Arizona and California. According to the CNDDB, there are two documented occurrences of BUOW within the Redlands quad.

Based on a literature review, a couple occurrences of BUOW have been document near the AA, within the undeveped instetial areas assocated with the airport runway. These observations were documeted during the non-breeding season, when migrate BUOW occur in the area. No breeding pairs of BUOW have been observed wihtin or immediately adjacent to the AA. Breeding pairs of BUOW were observed in 2022 approxiamtly 1.75 mile east of the project site, east of Haven Avenue at the runway approach.

During the field survey, no BUOW individuals were observed, nor were any BUOW signs, such as molted feathers, cast pellets, prey remains, or owl white wash found.

Potential to Occur

Per the definition provided in the *2012 CDFG Staff Report on Burrowing Owl Mitigation*, "Burrowing owl habitat generally includes, but is not limited to, short or sparse vegetation (at least at some time of year), presence of burrows, burrow surrogates or presence of fossorial mammal dens, well-drained soils, and abundant and available prey." Even though the undevelped portions of the the AA support low growign vegetation and friable soils, no suitable burrows (>4 inches in diameter) capable of providing roosting and nesting opportunities were observed onsite. Further, no BUOW individuals or signs were identified within the undeveloped portions of the AA. Due to the implementation of the WHMP, as discussed further below, the likelihood of the undeveloped areas within the AA being utilized by BUOW is unlikely. As previously mentioned, BUOW individuals or signs, such as signs including: molted feathers, cast pellets, prey remains, and owl white wash, were not observed during the site surveys.

Section 6 Effects of the Proposed Action

The proposed AA is almost entirely developed with existing Airport facilities. The Airport implements a WHMP, developed with the U.S. Department of Agriculture's Wildlife Services and approved by the FAA, throughout the Airport property to deter birds and other wildlife from nesting, foraging and loafing throughout the Airport property in order to maintain safe aircraft operations.

The Proposed Project Site is generally covered by existing pavement and buildings (10 buildings), parking facilities, and landscaped areas. A small undeveloped area is present on the eastern portion of the Proposed Project Site.

6.1 SENSITIVE PLANTS AND WILDLIFE

Based on habitat requirements for sensitive species and the availability and quality of habitats needed by the sensitive plant and wildlife species documented to occur within the vicinity, the undeveloped portions of the AA do not have the potential to support federally listed threatened, endangered or sensitive species, therefore, focused surveys for these species are not warranted or recommended.

6.2 CRITICAL HABITAT

The AA is not located within federally designated Critical Habitat. The nearest Critical Habitat to the AA occurs approximately 7.0 miles to the east for coastal California gnatcatcher, 7.0 miles to the north for San Bernardino kangaroo rat, and approximately 7.5 miles southeast for least Bell's vireo, Santa Ana sucker, and southwestern willow flycatcher.

Therefore, there is no impact to critical habitat as none exists within the AA, and there are no primary constituent elements for and of the aforementioned species within the AA. Therefore, no impacts to federally designated Critical Habitat will occur from implementation of the proposed project.

6.3 MIGRATORY BIRDS

Although not a federally listed species, BUOW's are protected under the MBTA and are listed as a *Migratory Birds of Conservation Concern (BCC)* by the USFWS and therefore also recognized as a sensitive migratory bird by the CNDBB.

6.3.1 Mitigation Measures

Even though the undeveloped portions of the AA did not support any suitable burrows for BUOW, out of abundance of caution, and to ensure no BUOW will be impacted from project implementation, the following mitigation measure will be implemented to reduce impacts to less than significant:

- A pedestrian survey for BUOW will be conducted prior to the start of construction activities, generally within 30 days of the start of construction. If BUOW's are found, the CDFW and USFWS should be consulted to determine the appropriate action to remove any BUOW from the AA before

construction. Any BUOW that are found would not be disturbed without CDFW and USFWS consultation as it may violate the MBTA and CDFW guidelines. Mitigation may include flushing owls prior to grading, removal of BUOW from the Proposed Project Site, and/or deferment of grading until artificial can be constructed, in accordance with CDFW and USFWS consultation. BUOW removal and artificial burrow construction can be facilitated through the San Diego Zoo, which conducts passive relocation under authorization from the CDFW.

Assuming the above mitigation measure is implemented, direct and indirect potential Project impacts are anticipated to be reduced. The mitigation measure is not likely to impact local populations because BUOW are presumed to be absent from the AA, based the results of the field surveys, which observed no BUOW individuals or BUOW sign.

Section 7 Conclusions

7.1 LISTED SPECIES AND CRITICAL HABITAT

The Proposed Action will **not affect** any federally listed endangered, threatened, or species of special concern, because there is no habitat to support these species within the AA. In addition, the Proposed Project will **not affect** any designated critical habitat as none exists within the AA, and no primary constituent elements of critical habitat exists within the AA or its buffer.

7.2 BURROWING OWL

Although not a federally listed species, BUOW is protected under the MBTA and is listed as a *Migratory Birds of Conservation Concern (BCC)* by the USFWS and also recognized by the CDFW as a migratory bird for protection. A mitigation measure to conduct a pre-construction burrowing owl and nesting bird clearance survey prior to project implementations in accordance with CDFW guidelines will reduce impacts to less than significant.

The Airport implements an active WHMP program that includes keeping grasses below 6 inches and routine disking. This deters the use of the bare areas by small mammals, which provide food sources for BUOW and other species. Implementation of the WHMP and the proposed mitigation measure, along with the fact that no BUOW individuals or sign have been observed on the Proposed Project Site results in the conclusion that the Proposed Action is not likely to adversely affect BUOW.

7.2.1 Summary of Mitigation Measures

Mitigation measures include the following:

- A pedestrian survey for BUOW will be conducted prior to the start of construction activities, generally within 30 days of the start of construction. If BUOW's are found, the CDFW and USFWS should be consulted to determine the appropriate action to remove any BUOW from the AA before construction. Any BUOW that are found would not be disturbed without CDFW and USFWS consultation as it may violate the MBTA and CDFW guidelines. Mitigation may include flushing owls prior to grading, removal of BUOW from the Proposed Project Site, and/or deferment of grading until artificial can be constructed, in accordance with CDFW and USFWS consultation. BUOW removal and artificial burrow construction can be facilitated through the San Diego Zoo, which conducts passive relocation under authorization from the CDFW.

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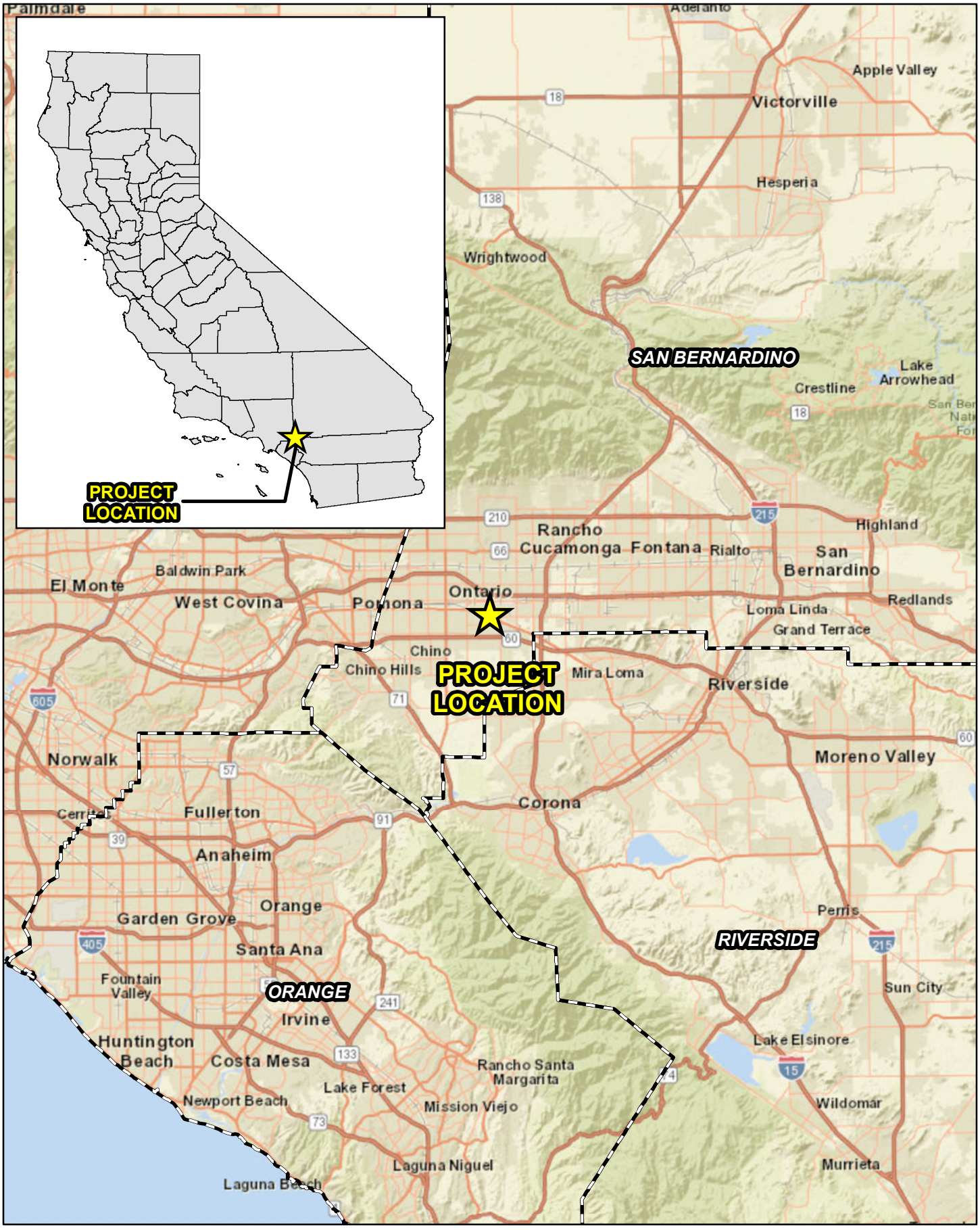
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Section 9 List of Preparers

ELMT Consulting biologists Thomas J. McGill, Ph.D. with over 50 years of experience and Travis J. McGill with over 15 years of experience prepared the document.

Appendix A Project Exhibits



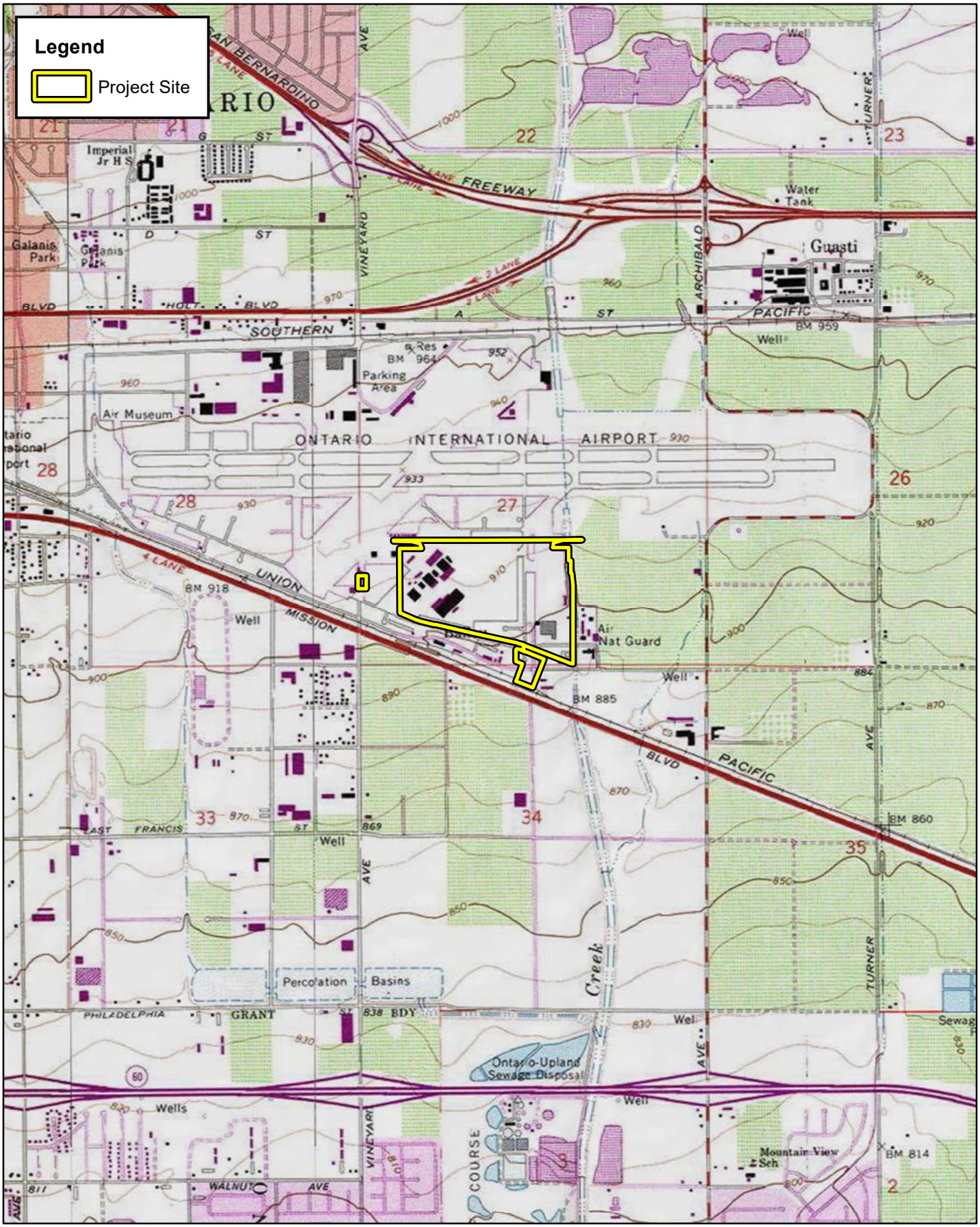
ONTARIO INTERNATIONAL AIRPORT SOUTH AIRPORT CARGO CENTER
BIOLOGICAL ASSESSMENT

Regional Vicinity

ELMT CONSULTING

Source: World Street Map, San Bernardino County

Exhibit 1



ONTARIO INTERNATIONAL AIRPORT SOUTH AIRPORT CARGO CENTER
BIOLOGICAL ASSESSMENT

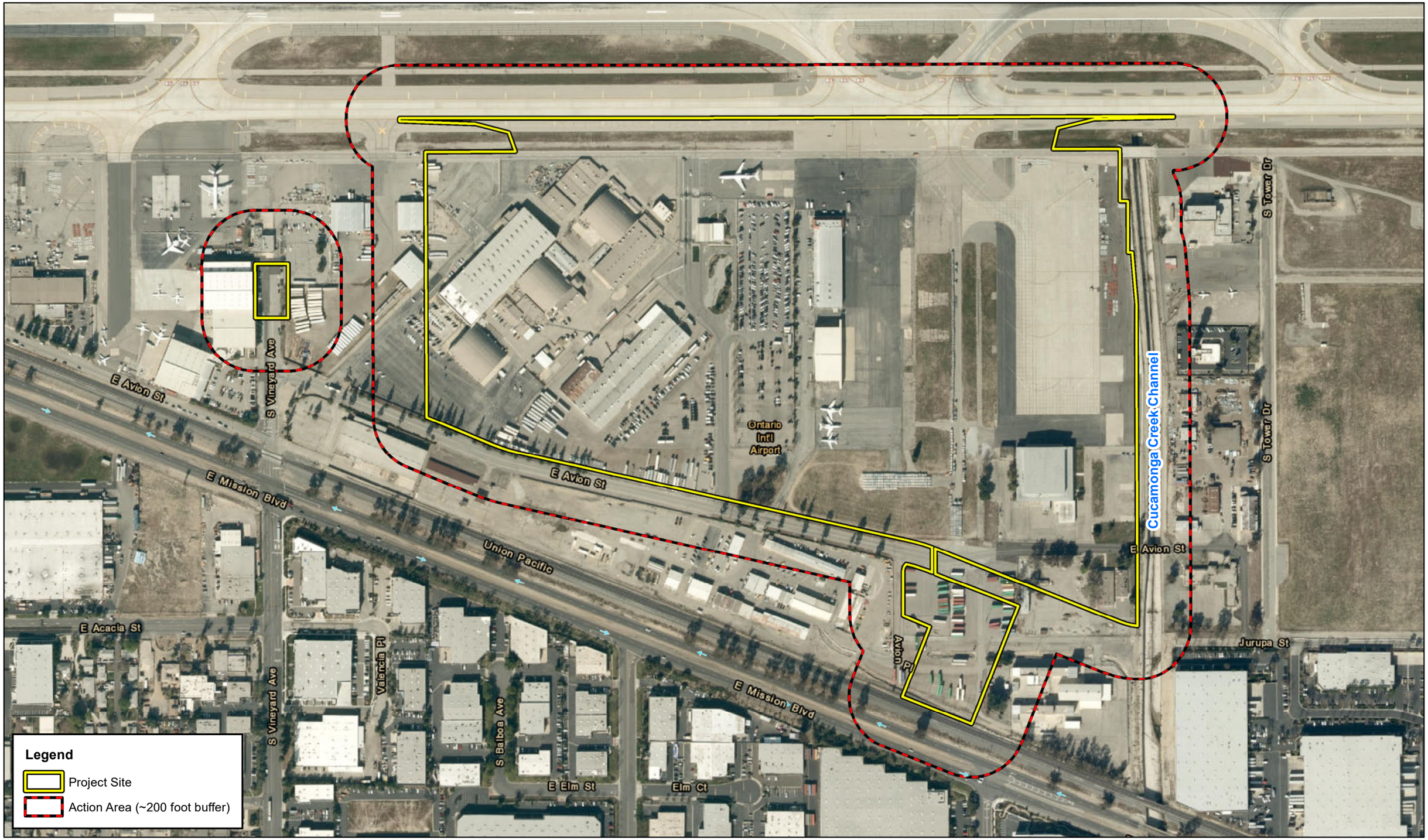
ELMT CONSULTING

0 1,000 2,000 4,000 Feet

Source: USA Topographic Map, San Bernardino County

Site Vicinity

Exhibit 2



ONTARIO INTERNATIONAL AIRPORT SOUTH AIRPORT CARGO CENTER
BIOLOGICAL ASSESSMENT

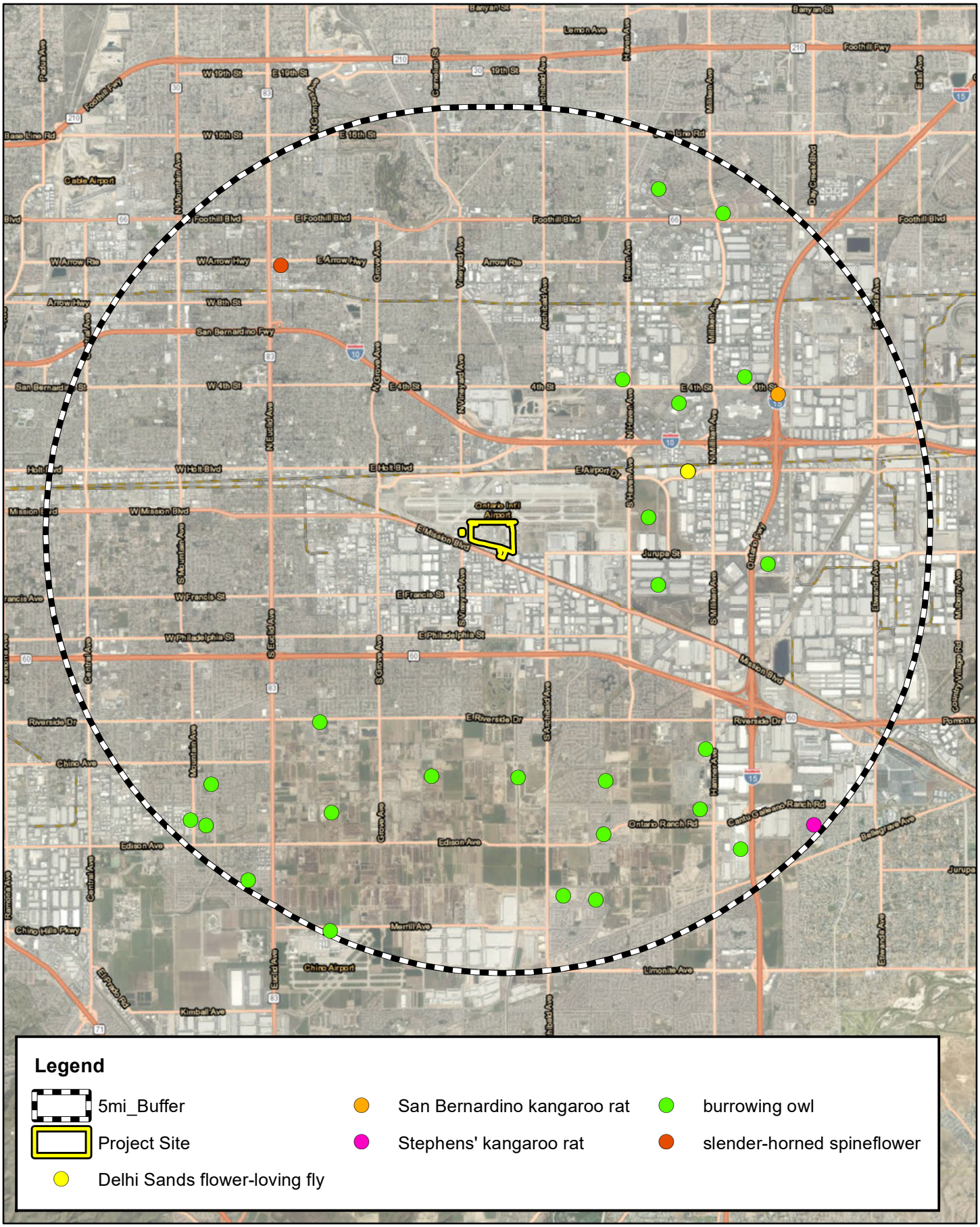
Project Site

ELMT CONSULTING

0 500 1,000 2,000 Feet

Source: ESRI Aerial Imagery, San Bernardino County

Exhibit 3



ONTARIO INTERNATIONAL AIRPORT SOUTH AIRPORT CARGO CENTER
BIOLOGICAL ASSESSMENT

ELMT CONSULTING

0 0.625 1.25 2.5 Miles

Sensitive Speceis (Federal) Observations

Source: USA Topographic Map, CDFW CNDDB, San Bernardino County

Exhibit 4



0 500 1,000 2,000 Feet

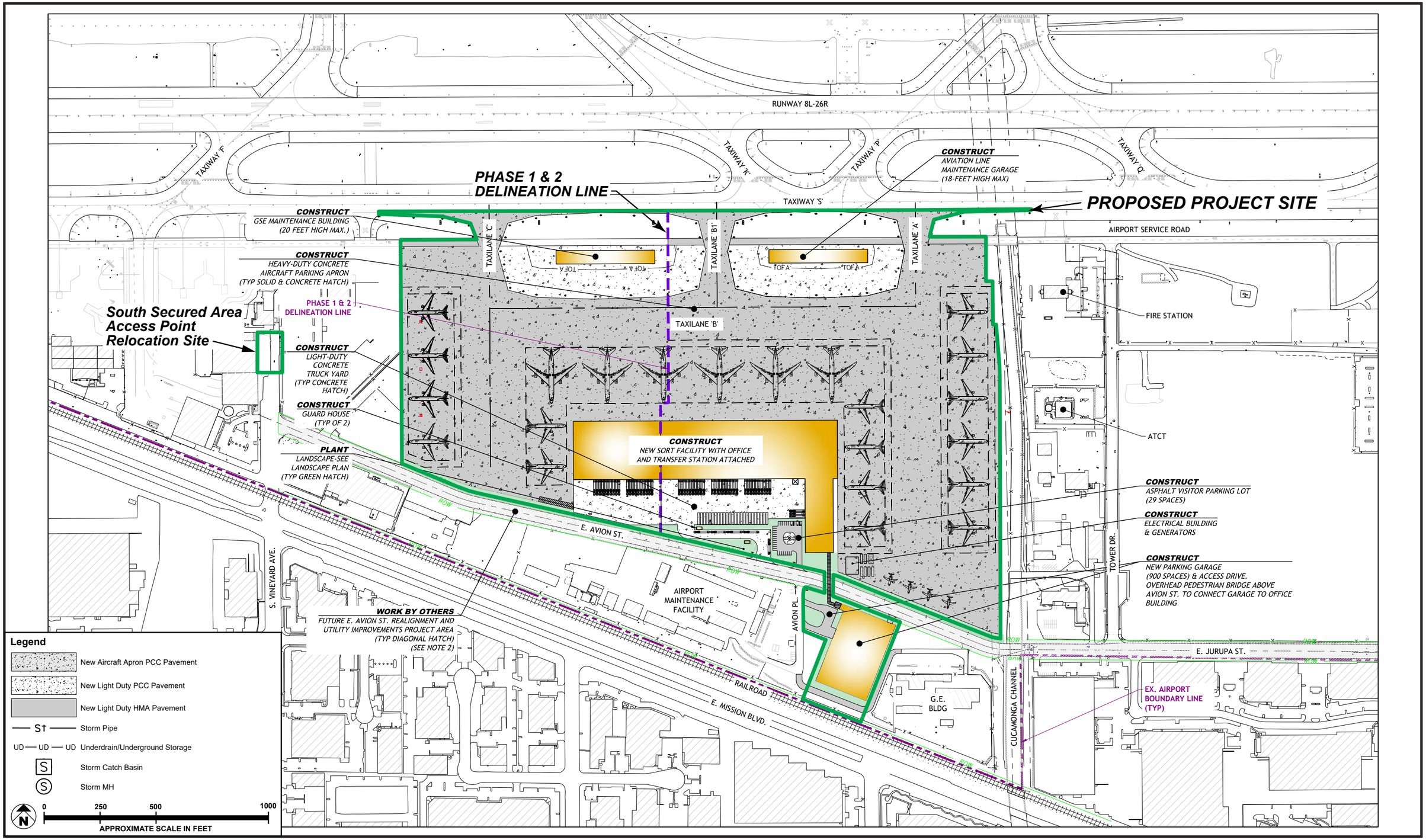
Source: ESRI Aerial Imagery, San Bernardino County

ONTARIO INTERNATIONAL AIRPORT SOUTH AIRPORT CARGO CENTER
BIOLOGICAL ASSESSMENT

Vegetation

Exhibit 5

Appendix B Proposed Project Site Plan



SOURCE: CHA October 2022

FIGURE **1.4**

Meridian Consultants

Site Plan

332-001-21

Appendix C IPaC Species List

United States Department of the Interior

FISH AND WILDLIFE SERVICE
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In Reply Refer To: September 07, 2022
Project Code: 2022-0083193
Project Name: Ontario International Airport South Airport Cargo Center

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A biological assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a biological assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a biological assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found at the Fish and Wildlife Service's Endangered Species Consultation website at:

https://www.fws.gov/endangered/what-we-do/faq.html

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see https://www.fws.gov/birds/policies-and-regulations.php.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Carlsbad Fish And Wildlife Office
2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385
(760) 431-9440

Project Summary

Project Code: 2022-0083193
Project Name: Ontario International Airport South Airport Cargo Center
Project Type: Airport - Maintenance/Modification
Project Description: The Project includes the proposed relocation of the Ontario International Airport Authority (OIAA) Administrative Offices to existing facilities both on and off-airport and the Airport South Secured Area Access Point (SAAP) to a 2.5 acre site located at the north end of South Vineyard Avenue, adjacent to Taxiway 'S', approximately one-quarter mile west of its current location and approximately 270 feet west of the western boundary of the Project site. The Project would demolish the existing buildings, site improvements on the project site, and develop a new air cargo facility into two phases. The proposed air cargo center includes a Cargo Sorting Building, truckyard, parking facilities, aircraft parking apron improvements, ground service equipment (GSE) parking, and aviation support facilities.

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@34.050939299999996,-117.60456014815804,14z



Counties: San Bernardino County, California

Endangered Species Act Species

There is a total of 5 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
San Bernardino Merriam's Kangaroo Rat *Dipodomys merriami parvus* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/2060	Endangered

Birds

NAME	STATUS
Coastal California Gnatcatcher *Polioptila californica californica* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8178	Threatened

Insects

NAME	STATUS
Delhi Sands Flower-loving Fly *Rhaphiomidas terminatus abdominalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1540	Endangered
Monarch Butterfly *Danaus plexippus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

Flowering Plants

NAME	STATUS
San Diego Ambrosia *Ambrosia pumila*	Endangered

There is **final** critical habitat for this species. The location of the critical habitat is not available.
Species profile: https://ecos.fws.gov/ecp/species/8287

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

IPaC User Contact Information

Agency: Federal Aviation Administration
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State: CA
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Email travismcgill@elmtconsulting.com
Phone: 7147165050

Lead Agency Contact Information

Lead Agency: Federal Aviation Administration

Appendix D Proposed Project Site Photographs



Photograph 1: From the southwest corner of the project site looking north along the western boundary.



Photograph 2: Existing buildings in the middle of the project site.



Photograph 3: Looking northwest from the south east corner of the project site.



Photograph 4: View of the southern portion of the project site, south of E. Avion Street.



Photograph 5: From the northwest corner of the project site looking southeast.



Photograph 6: Airplane hangars on the eastern portion of the site.



Photograph 7: From the middle of the eastern boundary looking northwest.



Photograph 8: From the northeast corner of the project site looking west along the northern boundary.



Photograph 9: From just outside the northeast corner of the project site, looking south along Cucamonga Creek Channel.



Photograph 10: From the southeast corner of the project site looking north along Cucamonga Creek Channel.



Photograph 11: Looking south along one of the disturbed strips of land on the eastern portion of the site.



Photograph 12: Looking southeast at one of the disturbed areas on the eastern portion of the site.



Photograph 13: Looking at the disturbed area where cargo containers are stored in the middle of the southern boundary of the project site.

APPENDIX 5.4-1

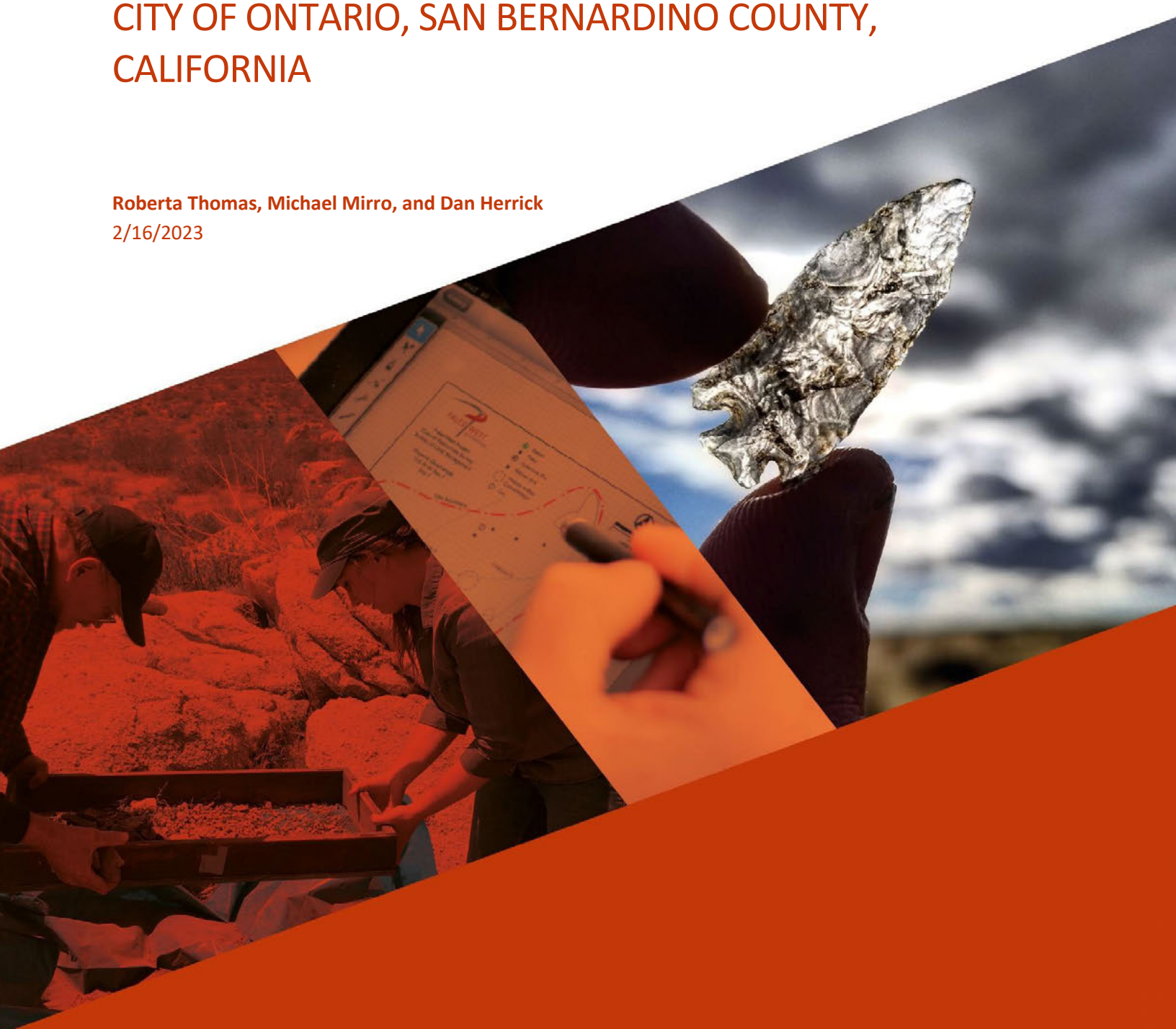
Archaeological Resource Assessment for the Ontario Airport South Cargo Center Project City of Ontario, San Bernardino County, California PaleoWest. February 16, 2023

PALEOWEST

ARCHAEOLOGICAL RESOURCE ASSESSMENT FOR THE ONTARIO AIRPORT SOUTH CARGO CENTER PROJECT, CITY OF ONTARIO, SAN BERNARDINO COUNTY, CALIFORNIA

Roberta Thomas, Michael Mirro, and Dan Herrick

2/16/2023



ARCHAEOLOGICAL RESOURCE ASSESSMENT FOR THE ONTARIO AIRPORT SOUTH CARGO CENTER PROJECT, CITY OF ONTARIO, SAN BERNARDINO COUNTY, CALIFORNIA

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February 16, 2023

Keywords: California Environmental Quality Act; Ontario International Airport; City of Ontario; San Bernardino County; 97 acres; archaeological assessment

MANAGEMENT SUMMARY

The Ontario International Airport Authority (OIAA), in cooperation with the Federal Aviation Administration (FAA), proposes the Ontario International Airport (ONT Airport) South Cargo Center Project (Project). The proposed Project is a facility expansion project that includes the redevelopment of existing underutilized parcels on the south side of the ONT Airport in the city of Ontario, San Bernardino County, California. PaleoWest, LLC (PaleoWest) was contracted by Meridian Consultants, LLC, to conduct an archaeological resource assessment for the Project in compliance with the California Environmental Quality Act (CEQA). The OIAA is acting as the lead CEQA agency.

This report summarizes the methods and results of the archaeological resource assessment of the approximately 97-acre Project area. The investigation included a record search and background research, communication with the Native American Heritage Commission (NAHC), a reconnaissance pedestrian survey of the Project area, and the preparation of this report. The purpose of the investigation was to consider the effects of the undertaking on significant archaeological resources that are considered *historical resources* under CEQA.

PaleoWest reviewed existing cultural resource records on file at the South Central Coastal Information Center of the California Historical Resources Information System. In addition, historical maps and aerial photographs of the Project area were examined. Although one historic period archaeological resource has been previously recorded within 0.5-mile of the Project, no archaeological resources have been documented in the Project area.

As part of the background research, PaleoWest also requested a search of the Sacred Lands File (SLF) from the NAHC. The results of the records review and SLF search were negative. The NAHC suggested contacting 18 individuals representing 12 Native American tribal groups to find out if they have additional information about the Project area. It is assumed that the OIAA will be responsible for conducting Assembly Bill 52 consultation with local Native American groups.

On September 29, 2021, PaleoWest conducted a reconnaissance pedestrian survey of the Project area. The reconnaissance survey found that most of the Project area is hardscaped with no exposed native sediments present in the area. No archaeological resources were identified during the survey effort.

A buried site sensitivity analysis of the Project area indicates that surficial sediments have been extensively disturbed by the construction of extant buildings, structures, roadways, and airport features, as well as the installation of underground utilities associated with the ONT Airport. Additionally, there appears to be a layer of artificial fill covering the native surface sediments. Despite the disturbance and fill layer, the assessment found that there is a moderate potential for buried prehistoric and historic archaeological deposits immediately below the artificial fill layer. The analysis suggests that the potential for buried archaeological deposits decreases with depth and the likelihood of encountering deeply buried cultural remains in the Project area is low.

PaleoWest recommends that initial Project-related ground disturbing activities be observed by an archaeological monitor. If archaeological resources are encountered during ground disturbing activities, work in the immediate area shall halt and the find shall be evaluated for listing in the California Register of Historical Resources. If monitoring of the initial ground disturbing

activities finds that there is a low potential for encountering intact archaeological remains within the Project area, monitoring activities may be reduced or halted at the discretion of the qualified archaeologist.

Based on these findings, PaleoWest recommends a finding of *less than significant impacts to historical resources with mitigation incorporated* under CEQA.

CONTENTS

1 INTRODUCTION 1
- 1.1 PROJECT LOCATION AND DESCRIPTION 1
- 1.2 REPORT ORGANIZATION 4

2 REGULATORY CONTEXT 6
- 2.1 STATE 6
  - 2.1.1 California Environmental Quality Act 6
  - 2.1.2 California Assembly Bill 52 6
- 2.2 LOCAL 7
  - 2.2.1 City of Ontario's Development Code 7

3 NATURAL AND CULTURAL SETTING 11
- 3.1 ENVIRONMENTAL SETTING 11
- 3.2 PREHISTORIC SETTING 11
  - 3.2.1 Late Prehistoric Period (ca. 750–410 B.P.) 12
  - 3.2.2 Protohistoric Period (ca. 410–180 B.P.) 12
- 3.3 ETHNOGRAPHIC SETTING 12
- 3.4 HISTORICAL SETTING 13
  - 3.4.1 San Bernardino County 13
  - 3.4.2 City of Ontario 14
  - 3.4.3 Ontario International Airport 15

4 CULTURAL RESOURCES INVENTORY 18
- 4.1 PREVIOUS CULTURAL RESOURCE INVESTIGATIONS 18
- 4.2 CULTURAL RESOURCES REPORTED WITHIN THE STUDY AREA 18
  - 4.2.1 P-36-007096/CA-SBR-7096H 19
  - 4.2.2 P-36-012630 (Ontario International Airport Terminal) 19
- 4.3 ADDITIONAL SOURCES 19
  - 4.3.1 Historic Maps and Aerial Images 19
  - 4.3.2 Buried Archaeological Site Sensitivity Assessment 19
- 4.4 NATIVE AMERICAN COORDINATION 20

5 FIELD INVESTIGATION 21
- 5.1 FIELD METHODS 21
- 5.2 FIELD RESULTS 21

6 RECOMMENDATIONS AND SUMMARY 24

7 REFERENCES 25

FIGURES

Figure 1-1. Project vicinity map. 2
Figure 1-2. Project location map. 3
Figure 1-3. Project area map. 5
Figure 5-1. Former ANG Hangar and Crash Truck Station fronting aircraft parking apron, facing south. 22
Figure 5-2. Overview of the former ANG aircraft parking apron, facing north. 22
Figure 5-3. Overview of the former ANG complex and service yard south of Avion Street, facing north. 23
Figure 5-4. Overview of the former ANG complex and service yard south of Avion Street, facing east. 23

TABLES

Table 4-1. Previous Cultural Studies within the Project Study Area 18
Table 4-2 Cultural Resources Recorded within the Project Study Area 19

APPENDICES

Appendix A. Native American Outreach

1 INTRODUCTION

The Ontario International Airport Authority (OIAA), in cooperation with the Federal Aviation Administration (FAA), proposes the Ontario International Airport (ONT Airport) South Cargo Center Project (Project). The proposed Project is a facility expansion project at the ONT Airport that includes the redevelopment of existing underutilized parcels on the south side of the ONT Airport. PaleoWest, LLC (PaleoWest) was contracted by Meridian Consultants, LLC, to conduct an archaeological resource assessment for the Project in compliance with the California Environmental Quality Act (CEQA). The OIAA is acting as the lead CEQA agency.

1.1 PROJECT LOCATION AND DESCRIPTION

The proposed Project is a facility expansion project at the ONT Airport that includes the redevelopment of approximately 97 acres of existing underutilized parcels, including Assessor's Parcel Numbers (APNs) 11326106, 11326107, 11326108, 11327101, and 11327102 on the south side of the ONT Airport in the city of Ontario, San Bernardino County, California (Figure 1-1). The majority of the Project is located north of East Avion Street with the remainder located between East Avion Street and Mission Boulevard west of South Hellman Avenue. More specifically, the Project area is within Sections 27 and 34, Township 1 South, Range 7 West, San Bernardino Baseline and Meridian (SBBM), as depicted on the Guasti, CA 7.5' U.S. Geological Survey (USGS) topographic quadrangle (Figure 1-2). The elevation of the Project area ranges from approximately 886–915 feet (ft) above mean sea level (amsl).

The purpose of the Project is to develop and operate an air cargo facility at the ONT Airport to meet increased regional cargo volumes and customer needs. The proposed Project would replace existing, underutilized airport related buildings and site improvements with an air cargo center. The Project would include demolition of the existing buildings, site improvements, and the development of a new air cargo center in two phases. Phase 1 would take place on the easternmost 62 acres of the Project site, and Phase 2 would occur on the remaining western 35 acres.

The Project will be composed of the construction of four primary elements: (1) a cargo sorting building; a 60-ft tall, approximately 857,000 ft^2 facility that will house a sorting facility and office spaces; (2) a 210,000 ft^2 truck yard and visitor parking area that will include ground-to-air and air-to-ground cargo operations and trailer truck parking/staging stalls; (3) visitor and employee parking that would include 933 automobile parking stalls; approximately 930 employee stalls in an approximately 271,000 ft^2 parking garage on 3 acres and 30 at-grade, visitor parking stalls; and (4) an aircraft apron with approximately 26 aircraft parking stalls/gates, comprising 2,900,000 ft^2 and ground service equipment maintenance building, garage, and parking area. In addition, the Project requires infrastructural improvements including construction of internal roadways, an aircraft fuel system, substation and substation building, a stormwater drainage/detention system, security systems, utility services, and related developments.

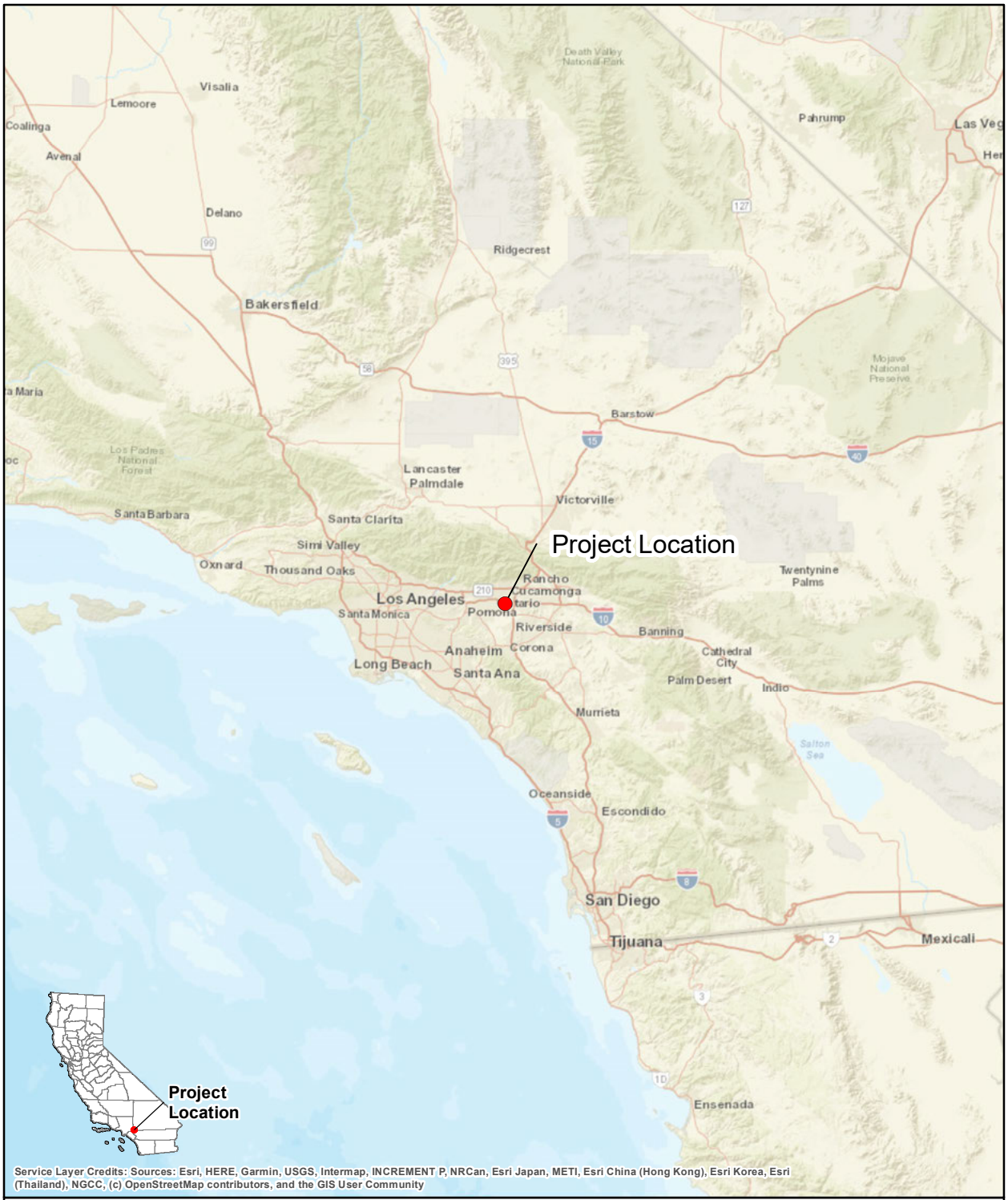
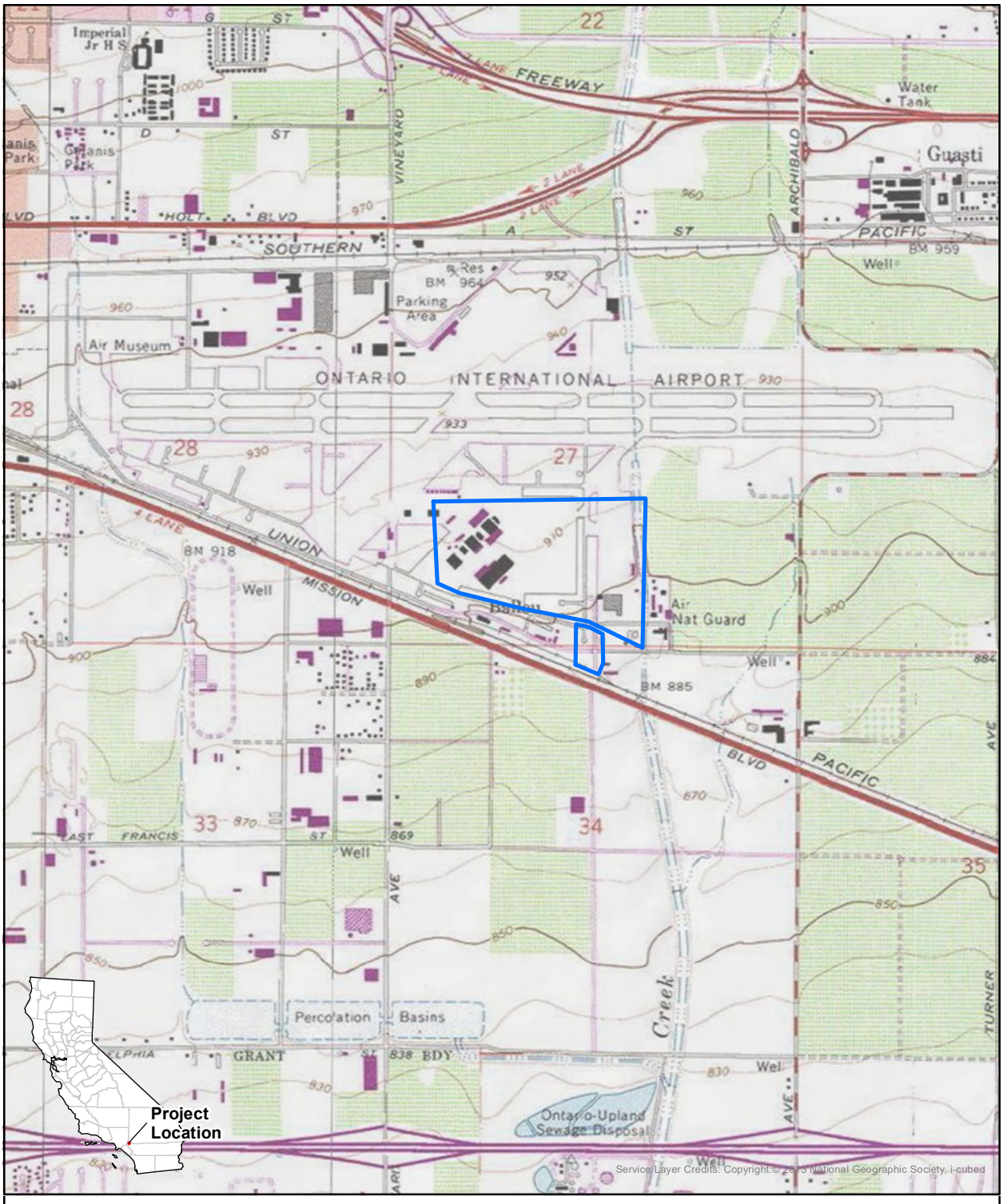


Figure 1-1. Project Vicinity Map USGS 7.5' Quadrangle: Guasti, CA (1982) T1S R7W, Secs 27 & 34 UTM Zone 11, NAD 83 SBBM



PALEO WEST

0 feet 2,000

0 meters 500

1:24,000

Figure 1-2. Project Location Map
USGS 7.5' Quadrangle:
Guasti, CA (1982) T1S R7W,
Secs 27 & 34 UTM Zone 11,
NAD 83 SBBM

Project Area

The Project footprint includes all construction areas and staging areas (Figure 1-3). It encompasses the proposed cargo sorting building, the aircraft apron and ground service equipment support infrastructure, the employee parking structure and visitor parking area, and the truck yard as well as the internal roadways, an aircraft fuel system, substation and substation building, the stormwater drainage/detention system, security systems, utility services and all related developments. In total, the Project covers an area of approximately 97 acres.

The depth of ground disturbance for the Project will range from 3 ft to approximately 20 ft below the current ground surface (bgs). Installation of the stormwater drainage system piping and associated structures, as well as other utilities are expected to extend up to 20 ft in depth; however, the apron pavement and parking garage foundations are anticipated to only reach up to 2-4 ft and between 5–7 ft bgs, respectively. The extent of the building foundation is not known at this time, but it is not anticipated to extend below 20 ft.

1.2 REPORT ORGANIZATION

This report documents the results of an archaeological resource investigation conducted for the proposed undertaking. Section 1 has introduced the Project location and description. Section 2 states the regulatory context for the Project. Section 3 synthesizes the natural and cultural setting of the Project area and surrounding region. The results of the previous cultural investigations and the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) search is presented in Section 4. The field methods employed during this investigation and findings are outlined in Section 5. Management recommendations are provided in Section 6. This is followed by bibliographic references and appendices.



Figure 1-3. Project Area Map USGS 7.5' Quadrangle: Guasti, CA (1982) T1S R7W, Secs 27 & 34 UTM Zone 11, NAD 83 SBBM

2 REGULATORY CONTEXT

2.1 STATE

2.1.1 California Environmental Quality Act

The proposed Project is subject to compliance with CEQA, as amended. Compliance with CEQA statutes and guidelines requires both public and private projects with financing or approval from a public agency to assess the project's impact on cultural resources (Public Resources Code Section 21082, 21083.2 and 21084 and California Code of Regulations 10564.5). The first step in the process is to identify cultural resources that may be impacted by the Project and then determine whether the resources are "historically significant" resources.

CEQA defines historically significant resources as "resources listed or eligible for listing in the California Register of Historical Resources (CRHR)" (Public Resources Code Section 5024.1). A cultural resource may be considered historically significant if the resource is 45 years old or older, possesses integrity of location, design, setting, materials, workmanship, feeling, and association, and meets any of the following criteria for listing on the CRHR:

A. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;

B. Is associated with the lives of persons important in our past;

C. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or,

D. Has yielded, or may be likely to yield, information important in prehistory or history (Public Resources Code Section 5024.1).

Cultural resources are buildings, sites, humanly modified landscapes, traditional cultural properties, structures, or objects that may have historical, architectural, cultural, or scientific importance. CEQA states that if a project will have a significant impact on important cultural resources, deemed "historically significant," then project alternatives and mitigation measures must be considered. Additionally, any proposed project that may affect historically significant cultural resources must be submitted to the State Historic Preservation Officer (SHPO) for review and comment prior to project approval by the responsible agency and prior to construction.

2.1.2 California Assembly Bill 52

Signed into law in September 2014, California Assembly Bill 52 (AB 52) created a new class of resources—tribal cultural resources—for consideration under CEQA. Tribal cultural resources may include sites, features, places, cultural landscapes, sacred places, or objects with cultural value to a California Native American tribe that are listed or determined to be eligible for listing in the CRHR, included in a local register of historical resources, or a resource determined by the lead CEQA agency, in its discretion and supported by substantial evidence, to be significant and eligible for listing in the CRHR. AB 52 requires that the lead CEQA agency consult with California Native American tribes that have requested consultation for projects that may affect tribal cultural resources. The lead CEQA agency shall begin consultation with participating

Native American tribes prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report. Under AB 52, a project that has potential to cause a substantial adverse change to a tribal cultural resource constitutes a significant effect on the environment unless mitigation reduces such effects to a less than significant level.

2.2 LOCAL

2.2.1 City of Ontario's Development Code

Initially adopted in 1991 and subsequently amended in the following decades, the City of Ontario (City) enacted a Historic Preservation Ordinance that provides the framework for preserving the character and history of the city. Now organized in Chapters 4 and 7 of the City's Development Code, the historic preservation section contains the following purpose and goals (Ontario Development Code §7.01.000):

A. Safeguarding the character and history of the City which is reflected in its unique cultural, historical, and architectural heritage, with emphasis on the "Model Colony" as recognized by an Act of Congress and presented at the St. Louis World's Far in 1904;

B. Encourage and promote the adaptive reuse of the City's historic resources;

C. Enhance, perpetuate, and preserve architecturally and historically significant structures and promote revitalization of historic neighborhoods and commercial areas;

D. Ensure that the rights of the owners of historic resources are safeguarded;

E. Foster civic pride in the beauty and noble accomplishments of the past by promoting private stewardship of historic resources that represent these accomplishments;

F. Fulfill the City's responsibilities as a Certified Local Government under Federal preservation laws;

G. Promote the identification, documentation, and evaluation of the significance of individual historic resources and districts;

H. Implement the historic preservation goals, policies, and programs of the Policy Plan (General Plan) component of the Ontario Plan;

I. Promote the City as a destination for tourists and as a desirable location for business;

J. Promote public awareness of the value of rehabilitation, restoration, and maintenance of the existing building stock as a means to conserve reusable material and energy resources;

K. Recognize the City's historic resources as economic assets and provide economic financial incentives for historic preservation;

L. Stabilize and improve property values, and enhance the aesthetic and visual character, place making, diversity, and environmental amenities of the City's historic properties and areas;

M. Promote public knowledge, appreciation, and understanding of the City's past, and foster civic and neighborhood pride in the beauty and accomplishments of the past;

N. Promote the enjoyment and use of historic resources appropriate for the education and recreation of the people of the City'

O. Recognize historic resources and protect areas of historic structures from encroachment of incompatible design;

P. Promote public awareness of the benefits of preservation; and

Q. Encourage public participation in historic preservation, thereby increasing civic pride in the City's heritage.

To accomplish these goals, the City oversees multiple incentive programs and approval frameworks for projects that involve historic resources, many of which involve review by the City's Historic Preservation Commission/Subcommittee. Additionally, the ordinance outlines conditions and penalties for those in violation of the development code as it pertains to historic resources.

Ontario Register of Historic Resources

The Ontario Register of Historic Resources (ORHR), as outlined in Section 7.01.010 of the City's Development Code, creates a local register and inventory of "buildings, structures, sites, objects and districts worthy of preservation due to their significance in history, architecture, archaeology, engineering, and/or culture within the City." The ORHR includes a list of designated local Historic Landmarks and Districts that exhibit historical significance, as determined through an established set of eligibility criteria. Based upon the NRHR and CRHR significance criteria and identified in §4.02.040(B)(2) of Ontario's Development Code, a local Historic Landmark may qualify for designation if it exhibits significance under one more of the following criteria:

A. The historic resource exemplifies or reflects special elements of the City's history;

B. The historic resource is identified with persons or events significant in local, state, or national history;

C. The historic resource is representative of the work of a notable builder, designer, architect, or artist;

D. The historic resource embodies distinguishing architectural characteristics of a style, type, period, or method of construction;

E. The historic resource is a noteworthy example of the use of indigenous materials or craftsmanship;

F. The historic resource embodies elements that represent a significant structural, engineering, or architectural achievement or innovation

G. The historic resource has a unique location, a singular physical characteristic, or is an established and familiar visual feature of a neighborhood, community, or the City;

H. The historic resource is one of the few remaining examples in the City, region, state or nation, possessing distinguishing characteristics of an architectural or historical type or specimen;

I. The historic resource has yielded, or is likely to yield, information important to the City's history or prehistory.

The designation of local Historic Districts has its own set of eligibility criteria outlined under §4.02.040(B)(3). To qualify as eligible, a Historic District may either meet the criteria for listing in the NRHP or CRHR, or meet one or more of the following local criteria:

A. The historic resource is a geographically definable area possessing a concentration of historic resources or a thematically related grouping of structures that contribute to each other and are unified by plan, style, or physical development, and embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master or possesses high artistic values;

B. The historic resource reflects significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of a park landscape, site design, or community planning;

C. The historic resource is associated with, or the contributing resources are unified by, events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States; or

D. The historic resource is, or the contributing resources are, associated with the lives of persons important to the City, State, or National history.

In instances of potential Historic Landmarks and Districts, the resource must also retain sufficient historical integrity dating to the established "period of significance" in order to qualify for listing in the ORHR. The relevant aspects of integrity for listing in the ORHR include design, setting, materials and workmanship, location, feeling, and association.

Historic Resource Tiering System

In addition to listing Historic Landmarks and Districts to the ORHR, the Ontario Historic Preservation Commission/Subcommittee manages a Historic Resource Tier Designation List, which essentially categorizes the level of historical significance of a resource based upon a rank of "Tier I, Tier II, or Tier III," which are defined as follows (Ontario Development Code §4.02.040(G)):

- Tier I consists of historic resources that should not be demolished or significantly altered under any circumstances, regardless of their designation status. Resources within this tier are determined to be the City's most significant historical or cultural resources.
- Tier II consists of historic resource wherein demolition of these properties should be avoided.
- Tier III consists of historic resources that are designated local Historic Landmarks, are contributing properties within designated local Historic Districts, or are eligible historic resources. Demolition of these resources should be avoided where possible, but may be appropriate under certain circumstances.

The Historic Resource Tier a resource is determined by using an additional set of criteria that examines a properties Architecture/Form and its History. All of these criteria specific to Historic

Landmarks and Districts are outlined under the City's Development Code§4.02.040(H)(1) and §4.02.040(H)(2), respectively.

3 NATURAL AND CULTURAL SETTING

This section of the report summarizes information regarding the physical and cultural setting of the Project area, including the prehistoric, ethnographic, and historic contexts of the general area. Several factors, including topography, available water sources, and biological resources, affect the nature and distribution of prehistoric, ethnographic, and historic-period human activities in an area. This background provides a context for understanding the nature of the cultural resources that may be identified within the region.

3.1 ENVIRONMENTAL SETTING

The Project area is south of the San Gabriel Mountains, which are part of the Transverse Ranges that separate the Los Angeles Basin and the Mojave Desert. More specifically, the Project area is within the western part of the San Bernardino Basin between the Santa Ana River to the south and San Gabriel Range to the north. The alluvial valley was formed by the Santa Ana River and its tributaries. The Santa Ana River originates on the northern and eastern slopes of Mount San Gorgonio and is the largest hydrological feature near the Project area, approximately 7 miles (mi) away. The natural course of Cucamonga Creek flanks the eastern Project boundary and the San Antonio Creek, which crosses the western portion of the valley and runs along the Los Angeles County and San Bernardino County border, is approximately 5 mi away. Other notable tributaries emerging from the southern slopes of the San Gabriel Mountains include Lytle Creek, Cajon Wash, Deer Canyon Wash, and Etiwanda Creek.

As the climate of the region is largely determined by topographic features, climate, in turn, largely dictates the character of the biotic environment exploited by native populations. The climate of the Project area is characterized as Mediterranean, with hot, dry summers and cool, moist winters. It has a semi-arid precipitation regime; significant changes in temperature and moisture occur based on elevation and exposure, particularly in the nearby mountains.

Prior to historical development of the Project vicinity, vegetation in the area included representative species of the valley grassland plant community. Indigenous species present may have included rye grass (*Leymus condensatus*), blue grass (*Poa secunda*), bent grass (*Agrostis* spp.), needlegrass (*Stipa* spp.), three-awn (*Aristida divaricata*), and members of the sunflower family (Asteraceae). Additionally, restricted riparian communities also occurred near springs and along watercourses. Various floral species were available from early spring until winter, and the leaves, stems, seeds, fruits, roots, and tubers from many of these plant species formed an important subsistence base for the Native American inhabitants of the region (Bean and Saubel 1972; Hyde and Elliot 1994).

3.2 PREHISTORIC SETTING

Prehistoric occupation of the inland valleys of Southern California can be divided into seven cultural periods: Paleoindian (circa [ca.] 12,000–9,500 years before present [B.P.]), Early Archaic (ca. 9,500–7,000 B.P.), Middle Archaic (ca. 7,000–4,000 B.P.), Late Archaic (ca. 4,000–1,500 B.P.), Saratoga Springs (ca. 1,500–750 B.P.), Late Prehistoric (ca. 750–410 B.P.), and Protohistoric (ca. 410–180 B.P.), which ended in the Ethnographic Period. These periods are structured based on the archaeological research conducted at Diamond Valley Lake as part of the Eastside Reservoir Project (ESRP), approximately 36 mi southeast of the Project area (Goldberg et al. 2001; McDougall et al. 2003). Prior to the work conducted for the Eastside

Reservoir Project, no comprehensive context had been developed specifically for the interior valley and mountain localities of Southern California that distinguished the region from the nearby desert and coastal regions. Due to the nature and temporal association of the archaeological resources identified within a one-mile radius of the Project area, the prehistoric cultural setting discussed below begins at the Protohistoric Period. The following has been adapted from Horne and McDougall (2003).

3.2.1 Late Prehistoric Period (ca. 750–410 B.P.)

The Medieval Warm Period extended into the Late Prehistoric Period, ending about 575 B.P. A period of lower temperatures and increased precipitation, known as the Little Ice Age, resulted in increased resource productivity in the inland region. Population increased in the region of the Project study area during this wet interval. In the ESRP area, several small, but apparently semisedentary occupations, date to this period. Cottonwood Triangular points began to appear in inland assemblages at this time, and Obsidian Butte obsidian became much more common (Goldberg et al. 2001).

By about 500 B.P., strong ethnic patterns developed among native populations in Southern California. This may reflect accelerated cultural change brought about by increased efficiency in cultural adaptation and diffusion of technology from the central coastal region of California and the southern Great Basin (Douglas 1981).

Also during this period, Lake Cahuilla began to recede (Waters 1983) and the large Patayan populations occupying its shores began moving westward into areas such as Anza Borrego, Coyote Canyon, the Upper Coachella Valley, the Little San Bernardino Mountains, and the San Jacinto Plain (Wilke 1976). The final desiccation of Lake Cahuilla, which had occurred by approximately 400 B.P. (A.D. 1640), resulted in a population shift away from the lakebed into the Peninsular Ranges to the west, and the Colorado River regions to the east.

3.2.2 Protohistoric Period (ca. 410–180 B.P.)

The improved and dynamic conditions of the Little Ice Age continued throughout the Protohistoric Period. Use of the bow and arrow promoted an increase in hunting efficiency and a renewed abundance of mortars and pestles indicates extensive exploitation of various hard nuts and berries. As a result of the increased resource use of the area, sedentism intensified with small, fully sedentary villages forming during the Protohistoric Period. This is evidenced by sites containing deeper middens, suggesting more permanent habitation. These would have been the villages, or rancherias, noted by the early nonnative explorers (True 1966, 1970).

The cultural assemblage associated with the Protohistoric Period included the introduction of locally manufactured ceramic vessels and ceramic smoking pipes, an abundance of imported Obsidian Butte obsidian, Cottonwood Triangular points, and Desert Side-notched points as well as the addition of European trade goods, such as glass trade beads, late in the period (Meighan 1954).

3.3 ETHNOGRAPHIC SETTING

Archival research and published reports suggest the Project area is where three traditional use territories of Native American groups meet. The traditional use territories of the Serrano, Cahuilla, and Gabrielino come together just southwest of the present-day city of San Bernardino, which is very near the Project area. These cultural groups all spoke languages

belonging to the Takic branch of the Shoshonean family, a part of the larger Uto-Aztecan language stock (Bean 1978:576; Geiger and Meighan 1976:19). In the following section, a brief synopsis of Serrano, Cahuilla, and Gabrielino ethnography is presented. This information has been summarized from Bean and Vane (2001) and McCawley (1996).

The Cahuilla and Serrano belonged to nonpolitical, nonterritorial patrimoieties that governed marriage patterns as well as patrilineal clans and lineages. Each clan—or "political-ritual-corporate units"—was composed of 3 to 10 lineages, owned a large territory in which each lineage owned a village site with specific resource areas. Clan lineages cooperated in defense, in large communal subsistence activities, and in performing rituals. Clans were apt to own land in the valley, foothill, and mountain areas, providing them with the resources of many different ecological niches. Unlike their Cahuilla and Serrano neighbors, the Gabrielino had a hierarchically ordered social class that included groupings of elite, middle class, and commoners. Class membership played a major role in determining individual lifestyles, as it depended upon both ancestry and wealth (Bean and Smith 1978:543).

In prehistoric times Cahuilla, Gabrielino, and Serrano shelters are believed to have been dome shaped; after contact they tended to be rectangular in shape. Cahuilla and Serrano shelters were often made of brush, palm fronds, or arrowweed while the Gabrielino used reed. Most of the Serrano and Cahuilla domestic activities were performed outside the shelters within the shade of large, expansive ramadas; windbreaks, made of vertical poles covered with rush mats, provided open-air food preparation and cooking areas at Gabrielino settlements.

The Cahuilla, Gabrielino, and Serrano were, for the most part, hunting, collecting, harvesting, and protoagricultural peoples. As in most of California, acorns were a major staple, but the roots, leaves, seeds, and fruit of many other plants also were used. Fish, birds, insects, and large and small mammals were also available.

To gather and prepare these food resources, the Cahuilla, Gabrielino, and Serrano had an extensive inventory of equipment including bows and arrows, traps, nets, disguises, blinds, spears, hooks and lines, poles for shaking down pine nuts and acorns, cactus pickers, seed beaters, digging sticks and weights, and pry bars. In addition, the Cahuilla also had an extensive inventory of food processing equipment including hammers and anvils, mortars and pestles, manos and metates, winnowing shells and baskets, strainers, leaching baskets and bowls, knives (made of stone, bone, wood, and carrizo cane), bone saws, and drying racks made of wooden poles to dry fish.

Mountain tops, unusual rock formations, springs, and streams are held sacred to the Cahuilla, Gabrielino, and Serrano, as are rock art sites and burial and cremation sites. In addition, various birds are revered as sacred beings of great power and sometimes were killed ritually and mourned in mortuary ceremonies similar to those for important individuals. As such, bird cremation sites are sacred.

3.4 HISTORICAL SETTING

3.4.1 San Bernardino County

The earliest recorded historic period use of the lands within the San Bernardino Valley began in the 1770s, following establishment of the Mission San Gabriel approximately 40 mi west of the Project area. Euro-American settlement in San Bernardino began in the early 1800s through the establishment of Politana and the Asistencia, but was largely fostered by the establishment of a

Mormon colony under the leadership of Amasa Lyman and Charles Rich. Brothers Lyman and Rich bought the San Bernardino Rancho from Jose and Maria Armenta Lugo in 1851. The other large land grant, Cucamonga Rancho, remained largely undeveloped, although the landowner, Tiburcia Tapia, had developed several outposts in failed attempts to lure perspective buyers in the 1840s (Gentlcore 1960). Tapia had acquired the 13,000-acre rancho—which encompasses modern day Fontana, Rancho Cucamonga, Ontario, and Upland—in 1839. He used the land to run 1,500 head of cattle along with raising other livestock; however, due to the arid nature of the land, very little crops were grown. Cattle ranching would remain the dominant economic driver in the region until 1865 when disease, famine, and price competition largely ended the industry across the county (Gentlcore 1960).

San Bernardino County was established on April 26, 1853 and subsequently ceded a portion of its territory to the formation of Riverside County in 1893 (Chasteen 2015). By the time California had formed and the counties were established, those in the area had begun experimenting with new crops including barley and wheat, which could be dry farmed. However, these endeavors proved fruitless due to a lack of transport, lack of labor, and small profit margins. The introduction of the orange fundamentally changed the landscape of the region. The first orange trees in San Bernardino were planted by Anson Van Leuven in 1857. This variety proved perfect for the region as it prospered on foothills. Citrus quickly became the largest industry in Southern California, including growing, packing, and shipping. Growth of the region accelerated following completion of the Southern Pacific Railroad in 1876. By 1885, the region was synonymous with the growth of oranges (Gentlcore 1960).

Starting in the 1860s and 1870s, companies began to form across California with the intent of purchasing readily available land (much of it owned by railroad companies) to redevelop into land colonies. These land colonies were pivotal in the rapid development of regions across the West and specifically in San Bernardino County. The companies purchased the land, acquired water rights, established lots, and built infrastructure such as roads and water irrigation lines. These land colonies were key to agricultural growth in the region (Gentlcore 1960). In 1881, George and William Chaffey purchased 6,200 acres of land in what is today considered Upland for the formation of the Ontario Colony. The land provided was ideal for the growing of oranges. Happening concurrently, the Semi-Tropic Land and Water Company formed. The company purchased 28,000 acres and the water rights to Lytle Creek. The company laid out the townsites of Rosena (now known as Fontana), Rialto, Bloomington, and San Sevaine. The Semi-Tropic Land and Water Company, though ultimately unsuccessful in its attempts, initiated early residential and commercial development in San Bernardino County (Chasteen 2015).

3.4.2 City of Ontario

The city of Ontario was founded in 1882 as agricultural colony, which was a model of development used in California as a promotional tool and early co-operative system for creating irrigation developments and marketing infrastructure. The Ontario Colony recognized the areas potential for the development of agricultural products—namely citrus fruit and grapes—due to the Mediterranean climate and rich soils of the surrounding valley. The colony itself featured a patchwork of agricultural land centered around a subdivided townsite in a one-square-mile area, all of which was supported by water conveyance infrastructure from the nearby mountains. With immediate proximity to the Southern Pacific Railroad and the aggressive promotion of the romanticized Southern California landscape and lifestyle, the colony attracted new residents from throughout the United States (U.S.) to come and establish their own farms and orchards. The boost to agricultural productivity, particularly with orange groves, led to the creation of

numerous packing houses and other agricultural-based industries that allowed for the marketing and shipment of these products. The influx of people also spurred development in the townsite with new hotels, schools, commercial blocks, and churches. In 1891, the colony was officially incorporated as the city of Ontario (Davis and Novell 2017:15).

During the turn of the century, the Ontario Land and Improvement Company continued attract additional residents and provide a framework for further growth. By the 1920s, the city was a bustling regional center with a developed downtown, residential neighborhoods, and an industrial center that largely catered to the exporting of the citrus fruit and other agricultural products of the area. Most notably, the California Fruit Growers Exchange and its subsidiary Sunkist was one of the largest employers in the city during this period. Although the Great Depression and the economic uncertainties drastically affected much of the U.S., the city continued to prosper in relative terms. With the outbreak of World War II, the U.S. Army established the Ontario Army Air Field in support of the war effort in the Pacific Theater. This became the crucial foundations for the modern ONT (Davis and Novell 2017:15–16).

During the post-war period, the population of California increased exponentially, which led to an expansive period of residential, commercial, and industrial development. Similar to many other areas in Southern California, the city experienced the construction of large tract house developments, which came to reflect the new post-war suburban model for living. This development led to acres of agricultural land, including the previously defining citrus groves, being removed and redeveloped for housing and commercial purposes. With increased commerce and industry, new business and industrial parks were established, reflecting the increasing shift from agricultural industries in the area to a more manufacturing and services-based economy. This shift in industry would continue to define the city throughout the remainder of the twentieth century (Davis and Novell 2017:16)

3.4.3 Ontario International Airport

Early Aviation and Ontario Municipal Airport (1923–1939)

Aviation in the area began in 1923 when a local flying club constructed a simple landing strip near downtown. The landing area was set between the Union Pacific (south) and Southern Pacific (north) railroad lines and Mountain Avenue (west) and San Antonio Avenue (east). Known as "Latimer Field" from the nearby Latimer Packing House, this simple air strip would serve as the center for aviation in the area for the following decade (Davis and Novell 2017:17).

In 1929, the City purchased approximately 30 acres of agricultural land southwest of downtown for the construction of an airport. Located between the Southern Pacific and Union Pacific railroad lines, near the southwest corner of present-day ONT Airport, the land that became known as the Ontario Municipal Airport was not developed until 1935, when a flight instructor leased the land from the City and began operating a flight school at the property. This involved the construction of simple infrastructure, including a modest wood framed hangar and 1,200-ft-long runway landing strip that was graded using an automobile pulling a series of weights across the property (Davis and Novell 2017:17).

Federal Buildup and Ontario Army Airfield (1940–1945)

By the late 1930s, the flight school at Ontario Municipal Airport was being funded in part by the U.S. Civil Aeronautic Authority (CAA). At this time, the Roosevelt administration was discretely building up U.S. military capabilities as World War II unfolded around the world. As part of this

effort, the CAA began a program for training potential military pilots. Federal involvement at the Ontario Municipal Airport increased in 1940 as the CAA and Works Progress Administration proposed to drastically expand the airfield. The following year, the City annexed over 400 acres of ranchland west adjacent to the airport. With the U.S. entering World War II, the WPA began a rapid expansion campaign at the airport with the construction of two new concrete runways, a control tower, and support infrastructure. The U.S. Army Air Corps, later known as the U.S. Air Force, began operating at Ontario Municipal Airport by leasing it from the City. This was supplemented by an additional several hundred acres purchased to accommodate the ramp up in wartime operations, which included fighter pilot training and mission facilities (Davis and Novell 2017:17). The facility became known as Ontario Army Airfield during this period.

Post-war Period (1946–1966)

At the end of World War II, the City reasserted the airport's use for civilian aviation purposes. In 1946, the Ontario Municipal Airport was officially designated an international port of entry, creating the foundation for modern ONT. In the early 1950s, a new terminal building and air traffic control tower were constructed. However, the terminal was quickly determined to be obsolete and ultimately replaced in 1959.

The airfield, and much of the U.S. Air Force land, continued to be used for military purposes during this post-war period, primarily due to the readily available land for expansion, as well as the runway infrastructure that was capable of handling heavy military aircraft. In 1949, a training station for the California Air National guard (CA ANG) was established at the southern edge of ONT. The Ontario Air National Guard Station (ANGS) would continue to be expanded over the following decades with new facilities being constructed on the southern side of the airfield. The CA ANG operations also had resounding impacts on the development of the ONT airfield, primarily through the expansion of the runway network in 1952, 1956, and 1962, all of which were necessitated by the exponential improvement in military aircraft capabilities during this period (Davis and Novell 2017).

Industrial and aviation support services also increased at ONT during the post-war period. This included the introduction of major aviation companies, such as Lockheed, Aerojet, and General Electric (GE) Aviation Services. These companies provided both commercial and military-based aviation support services during the second half of the twentieth century.

Modern Ontario International Airport (1967–Present)

In 1967, the City entered into a Joint Powers Agreement with the City of Los Angeles' Department of Airports (LADoA) to manage ONT as part of the Los Angeles regional airport system. With increased passenger traffic to ONT during the 1970s as part of the Los Angeles regional airport system, the airport was expanded to increase its capacity. In 1981, the second east-west runway was constructed. Both this runway and the pre-existing were expanded throughout the 1980s to accommodate increased traffic and the larger aircraft that were becoming more common during this period (Los Angeles World Airports [LAWA] 2014).

By the 1980s, military operations at ONT were decreasing. In 1983, one of the last fighter squadrons at Ontario ANGS was transferred to March Air Force Base in nearby Riverside County. Over the next decade, the ANGS facilities were used by a combat communications squadron and its radar operations. The Ontario ANGS was ultimately decommissioned following the 1995 Base Realignment and Closure Commission.

In 1998, a new passenger terminal was constructed at ONT. In addition to passenger traffic, ONT became an increasingly important center for cargo and air freight services. This largely coincided with the decommissioning of the pre-existing aviation support services under Lockheed and eventually GE, who ceased operations at the airfield. With the readily available land and capacity for flights, especially with a reduction in passenger traffic during the Great Recession of 2008, air cargo and freight services have become an important aspect of the operations at ONT (LAWA 2014).

In 2015, LAWA, the successor agency to the LADoA, relinquished control of ONT to OIAA and San Bernardino County after concerns of how ONT was being operated were voiced. Since then, the airport has been administered by the OIAA. Today, the airport continues to serve as critical aviation infrastructure, both as a center for passenger traffic in the Inland Empire and east Los Angeles area, as well as a center for cargo and shipping operations with key on-site operations from FedEx, United Parcel Service, and Amazon among others.

4 CULTURAL RESOURCES INVENTORY

A literature review and records search were conducted at the South Central Coastal Information Center (SCCIC), housed at California State University, Fullerton, on November 17, 2021. This inventory effort included the Project area and a one-half-mile radius around the Project area, collectively termed the Project study area. The objective of this records search was to identify prehistoric or historical cultural resources that have been previously recorded within the study area during prior cultural resource investigations.

As part of the cultural resources inventory, PaleoWest staff also examined historical maps and aerial images to characterize the developmental history of the Project area and surrounding area. Finally, PaleoWest contacted the NAHC to request a review of the SLF to identify any known Native American cultural resources that may be present in the Project area. A summary of the results of the record search and background research are provided below.

4.1 PREVIOUS CULTURAL RESOURCE INVESTIGATIONS

The records search indicates that five previous investigations have been conducted the Project study area since 1976 (Table 4-1). One of these studies (SB-05358) includes a small portion of the Project area. This study involved the compilation of historical research on the development of the flood control channel along Cucamonga Creek. No archaeological survey was completed as part of this project.

Table 4-1. Previous Cultural Studies within the Project Study Area

Report No.	Date	Author(s)	Title
SB-03586	2000	Love, Bruce	Ontario To Colton Pipeline, San Bernardino County, California
SB-04674	2004	Bonner, Wayne H. and Christeen Taniguchi	Records Search Results and Site Visit for Cingular Wireless Telecommunications Facility Candidate SB-476-01 (Villa Park Trucking) 2301 East Francis Street, Ontario, San Bernardino County, California
SB-05358	*1976*	*Sider, W.A.*	*Cucamonga Creek 1776-1976 After 200 Years*
SB-05367	2004	Marvin, Judith and Riordan Goodwin	Cultural Resource Assessment: Hofer Ranch Airport Business Park Specific Plan Amendment, City of Ontario, San Bernardino County, California
SB-05814	2007	Bonner, Wayne H. and Marnie Aislin-Kay	Cultural Resource Records Search Results and Site Visit for Royal Street Communications, LLC Candidate LA-730C (Carlos Ct), 2001 Elm Court, Ontario, San Bernardino County, California

Italics indicate previous projects that include portions of the current Project area.

4.2 CULTURAL RESOURCES REPORTED WITHIN THE STUDY AREA

The records search indicated that two cultural resources have been previously documented within Project study area (Table 4-2). These resources include one historic period building, the Ontario International Airport Terminal (36-012630), and one historic period archaeological site, the remains of an abandoned irrigation system (36-007096). Neither of these resources are within the Project area. A description of each resource is provided below.

Table 4-2 Cultural Resources Recorded within the Project Study Area

Primary No.	Trinomial	Type	Age	Description
P-36-007096	CA-SBR-7096H	Site	Historic	Remnants of an abandoned irrigation system
P-36-012630	–	Building	Historic	Ontario International Airport Terminal

4.2.1 P-36-007096/CA-SBR-7096H

This resource consists of an abandoned irrigation system made up of a precast concrete valve gate and standpipes that was originally recorded in 1991 (Hampson et al. 1991). The resource is 427 ft × 7 ft and includes a linear arrangement of formed concrete standpipes. The standpipes run parallel to Mission Avenue and a transmission line. It does not appear that this resource has been evaluated for listing in the NRHP or CRHR.

4.2.2 P-36-012630 (Ontario International Airport Terminal)

The Ontario International Airport Terminal is a one- to two-story passenger terminal building that was originally constructed in 1959–1960 with additions made in the 1970s (Taniguchi and Taniguchi 2005). It was originally documented in 2005. The floor plan of the building is irregular and has a northwest facing façade (Taniguchi and Taniguchi 2005). The building has a steel frame structural system with a concrete foundation and a rolled composite material roof. The original building was constructed in the International style; however, the additions are in a Modern style. The building is part of the larger Ontario International Airport property.

The terminal was evaluated for listing in the NRHP in 2005 and not recommended eligible for listing under any criteria. The property was not evaluated for listing in the CRHR.

4.3 ADDITIONAL SOURCES

4.3.1 Historic Maps and Aerial Images

Historical maps consulted include Southern California Sheet No. 1 (1901) and San Bernardino, CA (1952 and 1958) 60-minute, Cucamonga (1894), Guasti and Vicinity (1941), and Ontario, CA (1954) 15-minute, and Guasti, CA (1953, 1966, and 1973) 7.5-minute USGS quadrangles. Historical aerial images from NETROnline dated to 1938, 1948, 1959, and 1966 were also reviewed. Results of the archival research indicate that the area was used for agricultural purposes before the airport was constructed with the Cucamonga Creek running along the eastern side of the Project area. By the late 1940s, the Project area began to be built up with the construction of the airport and the channelization of the creek. By 1959, the GE buildings and the ANG hangar had been built in the area. Over the subsequent years, additional buildings, structures, roadways, and associated airport features were constructed in the area.

4.3.2 Buried Archaeological Site Sensitivity Assessment

The Project area is on a series of broad coalescing alluvial fans in the western part of the San Bernardino Basin between the Santa Ana River to the south and San Gabriel Range to the north. Fan sediments are sourced from creeks draining the San Gabriel Range flowing south toward the Santa Ana River. The historic period course of Cucamonga Creek flanks the eastern Project boundary and San Antonio Creek is five miles to the west and deposits from both

creeks form a very low rise on the fan surface in Project vicinity. Cox and Morton (1978) have mapped underlying sediments as Holocene alluvium consisting of unconsolidated deposits of fine- to coarse-grained sand with dispersed thin beds of pebble gravel or silt, indicative of stream channels. Subsequent geological mapping by Morton and Miller (2006) indicates the mid-eastern side of the Project area is underlain by late Pleistocene to early Holocene alluvial fan deposits and middle Holocene alluvial fan deposits on the far eastern side, both of which are slightly to moderately consolidated. Soils mapping suggests that native soils were sandy to sandy loams, relatively fine grained, and relatively young (Bureau of Soils 1915; Soil Survey Staff 2021). Native sediments across the Project area appear to be overlaid by artificial fill (Morton and Miller 2006).

As previously stated, a review of aerial imagery (NETROnline 2021) indicates that in the early part of the twentieth century, the Project area consisted of plowed fields and the natural (or minimally altered) course of Cucamonga Creek ran along the eastern side of the Project, incised into the native surface. Evidence that the creek consisted of a broader braided stream bed extending farther east merging into a single channel to the south is visible in a 1938 image (NETROnline 2021). Currently, the locus of deposition of the creek appears to be south of the Project area. No abandoned creek channels or fluvial features are mapped within the Project, indicating recent surface stability. With the construction of the airport and channelizing of the Cucamonga Creek in the late 1940s, the landscape appears to have further stabilized with minimal deposition or erosion. Although geological mapping by Morton and Morton (2006) indicate artificial fill covers the Project area, no indication was seen in the historic aerial imagery of either the emplacement of fill or its potential depth.

This review suggests that there is moderate potential for buried archaeological sites within the Project area. The former historic period surface appears to have been relatively stable through the latter half of the Holocene having formed on material deposited between the late Pleistocene and middle Holocene. During this time, the surface may have been used prehistorically. As such, there is potential that artifacts associated with prehistoric occupation of the area could be present in the Project area. Farming in the in early twentieth century may have led to surface disturbances and deposition of historic period artifacts. If intact, there is moderate potential for buried prehistoric and historic deposits to be present in the native sediments underlying the artificial fill layer. There is a low potential for more deeply buried archaeological deposits associated with the early Holocene and late Pleistocene.

4.4 NATIVE AMERICAN COORDINATION

PaleoWest contacted the NAHC, as part of the cultural resource assessment, on August 26, 2021, for a review of the SLF. The objective of the SLF search was to determine if the NAHC had any knowledge of Native American cultural resources (e.g., traditional use or gathering area, place of religious or sacred activity, etc.) within the immediate vicinity of the Project area. The NAHC responded on September 30, 2021, stating that the SLF was completed with negative results (Appendix C). However, NAHC noted that the absence of specific site information in the SLF does not indicate the absence of cultural resources within the Project area. The NAHC requested that 18 individuals representing 12 Native American tribal groups be contacted to elicit information regarding cultural resource issues related to the proposed Project. No additional outreach was conducted. It is assumed that the OIAA will be responsible for conducting Assembly Bill 52 consultation with local Native American groups.

5 FIELD INVESTIGATION

5.1 FIELD METHODS

A reconnaissance survey of the Project area was completed by PaleoWest's Dan Herrick on September 29, 2021. The fieldwork effort included an inspection of the entire Project area, which involved locations on the controlled air-side portion of ONT, as well as the publicly accessible area along East Avion Street. All areas likely to contain or exhibit sensitive cultural resources were carefully inspected to ensure discovery and documentation of any visible, potentially significant cultural resources within the Project area.

Prehistoric site indicators may include areas of darker soil with concentrations of ash, charcoal, bits of animal bone (burned or unburned), shell, flaked stone, ground stone, or even human bone. Historical site indicators may include fence lines, ditches, standing buildings, objects or structures such as sheds, or concentrations of materials at least 45 years in age, such as domestic refuse (e.g., glass bottles, ceramics, toys, buttons or leather shoes), refuse from other pursuits such as agriculture (e.g., metal tanks, farm machinery parts, horse shoes) or structural materials (e.g., nails, glass window panes, corrugated metal, wood posts or planks, metal pipes and fittings, railroad spurs, etc.).

5.2 FIELD RESULTS

The Project area is in a flat area that is largely developed with expanses of paved surfaces used for aircraft circulation on the air-side portion of the Project area, and airfield support operations and automobile circulation on the publicly accessible portion. The Project area features two primary collections of buildings, the former ANG facilities in the eastern half of the Project area, and the former GE maintenance complex in the western half of the Project area. The former GE maintenance complex is currently integrated into the ONT Airport office and operations facilities at 1923 East Avion Street. The Project area features multiple buildings, structures, and landscape features, which obscure the ground surface. As such, ground visibility was poor (0–5%). The rare exposures of surficial sediments exhibit a low degree of disturbance as they are between paved roadways and runway aprons (Figure 5-1 to Figure 5-4). However, the built nature of most of the Project area, as well as the assumed placement of underground utilities associated with the extant buildings and structures, suggests subsurface sediments have also been extensively disturbed.

No archaeological resources were identified within the Project area during the survey.



Figure 5-1. Former ANG Hangar and Crash Truck Station fronting aircraft parking apron, facing south.



Figure 5-2. Overview of the former ANG aircraft parking apron, facing north.



Figure 5-3. Overview of the former ANG complex and service yard south of Avion Street, facing north.



Figure 5-4. Overview of the former ANG complex and service yard south of Avion Street, facing east.

6 RECOMMENDATIONS AND SUMMARY

The results of the literature review and records search, archival research, Native American outreach, and reconnaissance survey did not identify any archaeological resources within the Project area.

Surficial sediments throughout the Project area have been disturbed by the construction of extant buildings, structures, roadways, and airport features, as well as the installation of underground utilities associated with the ONT Airport. Despite the high level of existing ground disturbance, there is a moderate potential for buried prehistoric and historic archaeological deposits to be encountered immediately below a layer of artificial fill in the Project area. The buried site sensitivity analysis conducted for this study indicates that the uppermost stratum of native sediments has been relatively stable through the latter half of the Holocene. As such, if the area was used prehistorically, there is potential that artifacts associated with this early period of occupation may be present. Additionally, farming in the in early twentieth century may have also resulted in the deposition of historic period artifacts. Results of the analysis suggests that the sensitivity of the Project area deceases with depth with a low potential for archaeological deposits to be encountered in deeply buried contexts.

PaleoWest recommends that initial Project-related ground disturbing activities be observed by an archaeological monitor. If archaeological resources are encountered during ground disturbing activities, work in the immediate area shall halt and the find shall be evaluated for listing in the CRHR. If monitoring of the initial ground disturbing activities finds that there is a low potential for encountering intact archaeological remains within the Project area, monitoring activities may be reduced or halted at the discretion of the qualified archaeologist.

Based on these findings, PaleoWest recommends a finding of *less than significant impacts to historical resources with mitigation incorporated* under CEQA.

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Appendix A.
Native American Outreach

NATIVE AMERICAN HERITAGE COMMISSION

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VICE CHAIRPERSON
Reginald Pagaling
Chumash

SECRETARY
Merri Lopez-Keifer
Luiseño

PARLIAMENTARIAN
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Karuk

COMMISSIONER
William Mungary
Paiute/White Mountain Apache

COMMISSIONER
Julie Tumamait-Stenslie
Chumash

COMMISSIONER
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September 30, 2021

Robbie Thomas
PaleoWest Archaeology

Via Email to: rthomas@paleowest.com

Re: Ontario Airport South Cargo Center Project, San Bernardino County

Dear Ms. Thomas:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
San Bernardino County
9/30/2021

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Gabrielino Tongva Indians of California Tribal Council
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This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Ontario Airport South Cargo Center Project, San Bernardino County.

Native American Heritage Commission
Native American Contact List
San Bernardino County
9/30/2021

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Cahuilla

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Luiseno

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Cahuilla
Luiseno

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Ontario Airport South Cargo Center Project, San Bernardino County.

APPENDIX 5.4-2

Historic Property Evaluation Report
Desert Research Institute.
November 2022

Impactful science, inspiring solutions.

Historic Property Evaluation Report
Ontario International Airport
South Airport Cargo Center Project
Ontario, San Bernardino County, CA





Prepared by

Laura O'Neill
Division of Earth and Ecosystem Sciences
Desert Research Institute, Las Vegas, Nevada

Prepared for

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920 Hampshire Road, Suite A5
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November 2022

Cover photos: Ontario Air National Guard Hangar (left), Building 2 at the former GE maintenance facility (right). Desert Research Institute 2022.

EXECUTIVE SUMMARY

The Ontario International Airport Authority (OIAA) proposes the Ontario International Airport (ONT Airport) South Airport Cargo Center Project (Project). The Project requires approval of the Airport Layout Plan (ALP) from the Federal Aviation Administration (FAA). The Project is an undertaking as defined by Section 106 of the National Historic Preservation Act (NHPA). It is also subject to compliance with the California Environmental Quality Act (CEQA). The FAA is the lead agency for Section 106 compliance; the OIAA is the lead agency for CEQA compliance.

The purpose of this Historic Property Evaluation Report is to comply with the requirements of Section 106 of the NHPA related to built environment historic properties. It also fulfills requirements under CEQA related to built environment historical resources. This report identifies built environment cultural resources within the Project's Area of Potential Effect (APE), determines if any are known historic properties as defined by Section 106 or known historical resources as defined by CEQA, evaluates those that require evaluation as potential historic properties or historical resources, and makes recommendations regarding resource eligibility and Project effects.

Laura O'Neill, Architectural Historian at the Desert Research Institute (DRI) who meets the Secretary of the Interior's Professional Qualifications Standards (PQS) in Architectural History and Historic Architecture (36 CFR §61) prepared this report. Jeffrey Wedding, Archaeologist at DRI who meets the PQS in Archaeology, assisted with research efforts.

Research, records searches, fieldwork, and review of applicable cultural resource laws and guidelines revealed that the APE included properties requiring evaluation for the National Register of Historic Places (NRHP), California Register of Historic Resources (CRHR), and as potential City of Ontario Landmarks/Historic Districts to comply with Section 106 and CEQA. The following properties were evaluated as a result: the Ontario Air National Guard (ANG) hangar and the General Electric (GE) maintenance facility. The Ontario ANG hangar was evaluated as a potential individual resource; the GE maintenance facility was evaluated as a potential historic district consisting of nine buildings. Both properties were found to be ineligible for listing in the NRHP, CRHR, and as potential Ontario Landmarks/Historic Districts. DPR forms are located in Appendix B.

Identification efforts also revealed that one previously evaluated district overlapped part of the APE: the Ontario ANG Station. It was evaluated as ineligible for listing in the NRHP and CRHR in 1998 and again in 2017. Review of the previous evaluations in comparison with the independent research completed for this report confirmed the conclusions of ineligibility. Re-evaluation was determined to be unnecessary. A DPR Update form was prepared to provide additional historical narratives and information about the current undertaking. See Appendix B.

In summary. this report concludes that none of the built environment resources in the APE appear eligible for listing in the NRHP. They are not historic properties as defined by Section 106 of the NHPA. The recommended Section 106 finding for the undertaking for built environment resources is No Historic Properties Affected pursuant to 36 CFR §800.4(d)(1). Likewise, this report concludes that none of the resources in the APE appear eligible for listing in the CRHR or as Ontario Landmarks/Historic Districts. They are not historical resources as defined by CEQA, and no further cultural resources compliance analysis or review is recommended.

The recommended California Historical Resource Status Code for all built environment resources in the APE is 6Z: found ineligible for NRHP, CRHR, or local designation through survey evaluation. See DPR forms in Appendix B for detailed evaluations and property data.

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TABLE OF CONTENTS

EXECUTIVE SUMMARY i

I. INTRODUCTION 1

Objectives 1

Preparer's Qualifications 1

II. REGULATORY SETTING 1

Section 106 of the National Historic Preservation Act 1

National Register of Historic Places 1

Historical Resources under the California Environmental Quality Act 2

California Register of Historical Resources 2

Properties Identified in Surveys 3

Ontario Historic Landmarks and Historic Districts 3

III. PROJECT DESCRIPTION 4

Project Location 5

Area of Potential Effects (APE) 5

IV. METHODOLOGY 8

Research 8

Field Survey 10

Resources Requiring Evaluation as Potential Historic Properties/Historical Resources 10

Resources Requiring Updated Documentation 10

Resources Not Requiring Documentation or Evaluation 11

V. HISTORIC CONTEXT 11

Airport Development in 20th Century America 12

Aviation in Ontario 15

VI. BUILT RESOURCE EVALUATIONS 17

Ontario ANG Hangar 17

GE Maintenance Facility 20

VII. CONCLUSIONS AND RECOMMENDED FINDINGS 23

VIII. REFERENCES 24

LIST OF FIGURES

Figure 1: Area of Potential Effects map by Meridian Consultants. 6
Figure 2: Three main areas of built resources in the APE. 7
Figure 3: Ontario ANG hangar, looking south, March 2022. 18
Figure 4: GE maintenance facility map. 21

LIST OF TABLES

Table 1: Previous Cultural Studies within the Records Search Area. 8
Table 2: Cultural Resources Recorded within the Records Search Area. 8
Table 3. Summary of Evaluation Recommendations. 17

APPENDICES

APPENDIX A. Project Maps
APPENDIX B. California Department of Parks and Recreation (DPR) 523 Forms

ACRONYMS

AAC	U.S. Army Air Corps
ANG	Air National Guard
APE	Area of Potential Effects
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
DPR	Department of Parks and Recreation
DRI	Desert Research Institute
EA	Environmental Assessment
EIR	Environmental Impact Report
FAA	Federal Aviation Administration
HCS	Historic Context Statement
NHPA	National Historic Preservation Act
NOP	Notice of Preparation
NPS	National Park Service
NRHP	National Register of Historic Places
OIAA	Ontario International Airport Authority
ONT	Ontario International Airport
SHPO	State Historic Preservation Office
USAF	United States Air Force

I. INTRODUCTION

The Ontario International Airport Authority (OIAA), the owner and operator of Ontario International Airport (ONT or Airport), is proposing to develop a new air cargo facility at ONT. The Proposed Project includes the development of a cargo sorting building (Air Cargo Sort Building), truck yard, employee parking structure, two aviation support buildings (ground service equipment [GSE] and aircraft line maintenance buildings), and aircraft apron improvements. The OIAA seeks unconditional approval of the Proposed Project on the Airport Layout Plan (ALP) from the Federal Aviation Administration (FAA).

The Proposed Project is an undertaking as defined by Section 106 of the National Historic Preservation Act (NHPA). It is also subject to compliance with the California Environmental Quality Act (CEQA). The FAA is the lead agency for Section 106 compliance; the OIAA is the lead agency for CEQA compliance.

Objectives

The purpose of this Historic Property Evaluation Report is to comply with the requirements of Section 106 of the NHPA related to the built environment historic properties. It also fulfills requirements under CEQA related to the built environment historical resources. The objectives of the report are to identify built environment cultural resources within the Project's Area of Potential Effect (APE), determine if any are known historic properties as defined by Section 106 or known historical resources as defined by CEQA, evaluate those that require evaluation as potential historic properties or historical resources, and make recommendations regarding resource eligibility and Project effects.

Preparer's Qualifications

Laura O'Neill, Architectural Historian at the Desert Research Institute (DRI) who meets the Secretary of the Interior's Professional Qualifications Standards (PQS) in Architectural History and Historic Architecture (36 CFR §61) prepared this report. Ms. O'Neill's résumé is available at https://www.dri.edu/directory/laura-oneill. Jeffrey Wedding, Archaeologist at DRI who meets the PQS in Archaeology, assisted with research efforts.

II. REGULATORY SETTING

Section 106 of the National Historic Preservation Act

In general, Section 106 of the NHPA requires that federal agencies take into account the effect of undertakings on historic properties. Undertakings are projects, activities, or programs funded in whole or in part under the direct or indirect jurisdiction of a federal agency [36 CFR §800.16(y)]. Historic properties are those that are included in or are eligible for listing in the National Register of Historic Places (NRHP) [36 CFR §800.16(l)(1)].

National Register of Historic Places

Following the standards issued by the Secretary of the Interior, cultural resources are eligible for listing in the NRHP if they meet the registration requirements (NPS *National Register Bulletin #15*). According to the requirements, the resource must be eligible under at least one of the four significance criteria (A, B, C, or D, defined below). Eligibility for listing in the NRHP also depends on the integrity of the property. Thus, a property must have both significance and integrity to be considered eligible.

Significance Criteria

Federal regulation 36 CFR §60.4 outlines the significance criteria a property must meet to be eligible for listing in the NRHP. To be eligible for listing in the National Register, a property must be at least 50 years of age (unless the property is of "exceptional importance") and possess significance in American history, architecture, archaeology, engineering, and/or culture. Significant properties are those that:

A. Are associated with events that have made a significant contribution to the broad patterns of our history; or
B. Are associated with the lives of persons significant in our past; or
C. Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
D. Yield or may likely to yield, information important in prehistory or history.

Physical Integrity

Integrity is the ability of a property to convey its significance, and its assessment consists of a consideration of the seven aspects listed in 36 CFR §60.4: location, design, setting, workmanship, materials, feeling, and association.

Historic Context

To be eligible for listing in the NRHP, a property must be significant within a historic context. *National Register Bulletin #15* states that the significance of a historic property can be judged only when it is evaluated within its historic context. Historic contexts are "those patterns, themes, or trends in history by which a specific...property or site is understood and its meaning...is made clear" (NPS 7).

Historical Resources under the California Environmental Quality Act

Generally, a lead agency must consider a property a historical resource under CEQA if it is eligible for listing in the California Register of Historical Resources (CRHR). The CRHR is modeled after the NRHP. Furthermore, a property is presumed to be historically significant if it is listed in a local register of historic resources or has been identified as historically significant in a historic resources survey (provided certain criteria and requirements are met, see below), unless a preponderance of evidence demonstrates that the property is not historically or culturally significant (PRC Section 5024.1 and 14 CCR Section 4850).

California Register of Historical Resources

The CRHR is an authoritative guide used by state and local agencies, private groups, and citizens to identify historic resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse impacts [PRC Section 5024.1(a)]. The CRHR consists of properties that are listed automatically as well as those that must be nominated through an application and public hearing process. The CRHR automatically includes the following [PRC Section 5024.1(d)]:

- California properties listed in the NRHP and those formally determined eligible for the NRHP;
- State Historical Landmarks from No. 0770 onward; and
- Those California Points of Historical Interest that have been evaluated by the State Office of Historic Preservation (SOHP) and have been recommended to the State Historical Resources Commission for inclusion on the CRHR.

Significance Criteria

The criteria for eligibility of listing in the CRHR are based upon NRHP criteria, but are identified as 1-4 instead of A-D. To be eligible for listing in the CRHR, a property must possess significance at the local, state, or national level. Significant properties are those that:

1. Are associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States; or
2. Are associated with the lives of persons important to local, California, or national history; or
3. Embody the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values; or
4. Yield, or have the potential to yield, information important in the prehistory or history of the local area, California, or the nation.

Physical Integrity

While the enabling legislation for the CRHR is less rigorous with regard to the issue of integrity, there is the expectation that properties reflect their appearance during their period of significance (PRC Section 5024.1).

Properties Identified in Surveys

Properties identified during historic resource surveys may be considered historical resources under CEQA only if the survey meets all of the following criteria (PRC Section 5024.1 and 14 CCR Section 15064.5):

1. The survey has been or will be included in the State Historic Resources Inventory;
2. The survey and the survey documentation were prepared in accordance with office (OHP) procedures and requirements;
3. The resource is evaluated and determined by the office (OHP) to have a significance rating of Category 1 to 5 on a DPR Form 523; and
4. If the survey is five or more years old at the time of its nomination for inclusion in the CRHR, the survey is updated to identify historical resources which have become eligible or ineligible due to changed circumstances or further documentation and those which have been demolished or altered in a manner that substantially diminishes the significance of the resource.

Ontario Historic Landmarks and Historic Districts

The City of Ontario's Designation Criteria for Historic Landmarks and Historic Districts are codified in Section 9-1.2615 of the City's Development Code. A property may be designated a Historic Landmark if (Section 9-1.2615.A):

1. It meets the criteria for listing in the National Register of Historic Places; or
2. It meets the criteria for listing in the California Register of Historic Resources; or
3. It meets one or more of the following criteria:
    a. It exemplifies or reflects special elements of the City's history;
    b. It is identified with persons or events significant in local, state, or national history;
    c. It is representative of the work of a notable builder, designer, architect, or artist;
    d. It embodies distinguishing architectural characteristics of a style, type, period, or method of construction;
    e. It is a noteworthy example of the use of indigenous materials or craftsmanship;

f. It embodies elements that represent a significant structural, engineering, or architectural achievement or innovation;
g. It has a unique location, a singular physical characteristic, or is an established and familiar visual feature of a neighborhood, community or the City; or,
h. It is one of the few remaining examples in the City, region, state, or nation possessing distinguishing characteristics of an architectural or historical type or specimen.

A neighborhood or area may be designated a Historic District if (Section 9-1.2615.B):

1. It meets the criteria for listing in the National Register of Historic Places; or
2. It meets the criteria for listing in the California Register of Historic Resources; or
3. It meets one or more of the following criteria:
    a. Is a geographically definable area possessing a concentration of Historical Resources or thematically related grouping of structures which contribute to each other and are unified by plan, style, or physical development; and embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master or possesses high artistic values; or
    b. Reflects significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of a park landscape, site design, or community planning.
    c. Is associated with, or the contributing resources are unified by, events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States;
    d. Is or the contributing resources are, associated with the lives of persons important to Ontario, California, or national history.

In addition to meeting one or more of the criteria above, Ontario Landmarks and Historic Districts must also possess integrity (Section 9-1.2615.E). Ontario recognizes the same seven aspects of integrity as the NRHP.

III. PROJECT DESCRIPTION

The OIAA, the owner and operator of Ontario International Airport, is proposing to develop a new air cargo facility at ONT. The Proposed Project includes the development of a cargo sorting building (Air Cargo Sort Building), truck yard, employee parking structure, two aviation support buildings (ground service equipment [GSE] and aircraft line maintenance buildings), and aircraft apron improvements.

The Proposed Project involves development of facilities and supporting infrastructure in two phases on the approximate 97-acre site on the southern side of the Airport. The Proposed Project involves approximately 2,514,000 square feet of airfield improvements, including three taxi lanes, an aircraft parking apron, and GSE and Aviation Line Maintenance Buildings.

Construction of the proposed Project would include excavation and grading of the Project site. In the aircraft apron area, which is the majority of the Project site, the Project site would be excavated approximately two feet with stabilization of the subgrade with undercuts of up to two feet. Trenches would be required for the installation of stormwater piping and structures, as well as other utilities (sanitary, water, electric, communications and hydrant fueling). These improvements would require trenching with depths up to 20 feet in limited areas. The parking garage foundations would reach an approximate depth of five (5) to seven (7) feet below grade.

Project Location

The Project site includes portions of Assessor's Parcel Numbers (APN) 11326106, 11326107, 11326108, 11327101, and 11327102 in the City of Ontario, in southwest San Bernardino County. The Project site encompasses approximately 97 acres and is south of the Airport airfield and west of the Cucamonga Canyon Channel. The majority of the Project site is located north of East Avion Street with the remainder of the site located south of East Avion Street and east of South Hellman Avenue. See Appendix A, Maps 1.1 and 1.2.

Area of Potential Effects (APE)

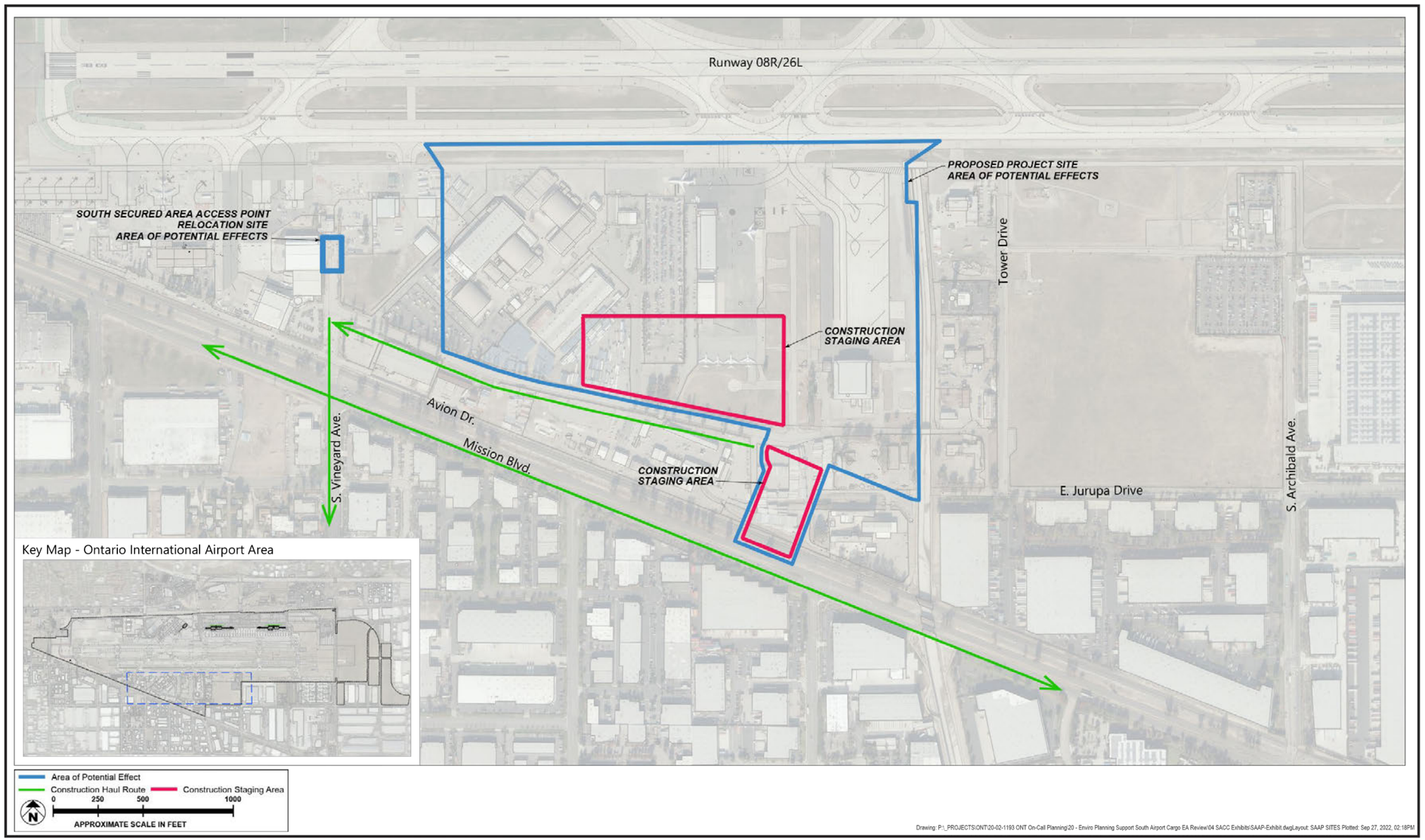
The Area of Potential Effect (APE) for the undertaking was delineated to include all areas that could be affected, both directly and indirectly, by the undertaking. See Figure 1, below. The horizontal APE encompasses the 97-acre Project site located on East Avion Street, all under the current ownership of the OIAA, and includes all construction areas and staging areas. Specifically, the horizontal APE includes the proposed air cargo sort building, the aircraft apron with parking stands, the parking structure, the truck yard, the relocated secure access point, the stormwater drainage/detention system, security systems, utility services and all related developments.

In terms of the vertical APE, the depth of ground disturbance for the Project will range from 3 ft to approximately 20 ft below the current ground surface (bgs). Installation of the stormwater drainage system piping and associated structures, as well as other utilities are expected to extend up to 20 ft in depth; however, the apron pavement and parking garage foundations are anticipated to only reach up to 3 ft and between 5 to 7 ft bgs, respectively. The extent of the building foundation is not known at this time, but it is not anticipated to extend below 20 ft.

The topography of the APE is flat, and the land is mostly paved, except for limited areas of grass and trees in medians and along facility perimeters. The APE includes buildings and structures from a range of time periods, constructed for a variety of occupants. The oldest buildings date from the late 1940s; the newest are circa 2006. Building types include large hangars, office buildings, maintenance facilities, security facilities, and support buildings. Chain-link fencing delineates secure and public areas.

The APE contains three distinct areas in terms of general characteristics and development patterns amid large areas of vacant land and surface parking lots as shown in Figure 2, below. All three are located north of East Avion Street. They include: the former General Electric (GE) maintenance facility at the west end; a portion of the former Ontario Air National Guard (ANG) Station at the east end; and a 1980s-era private jet center between the two.

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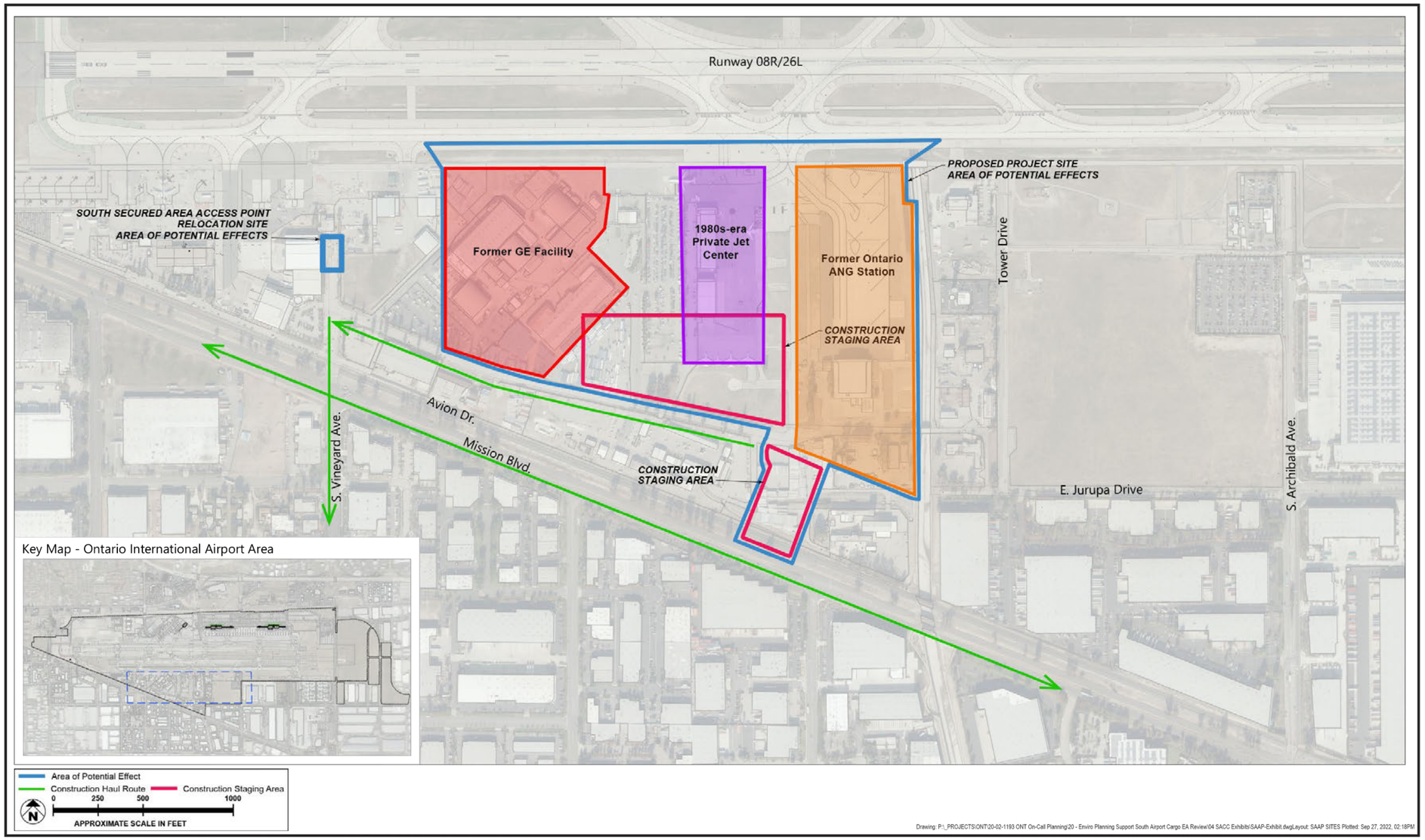
SOURCE: Ontario International Airport, Airport Layout Plan, May 2020: Ricondo & Associates, Inc., September 2022

Meridian Consultants

ONT SACC Project Area of Potential Effect

332-001-21

Figure 1: Area of Potential Effects map by Meridian Consultants.



SOURCE: Ontario International Airport, Airport Layout Plan, May 2020: Ricondo & Associates, Inc., September 2022

Meridian Consultants

ONT SACC Project Area of Potential Effect

332-001-21

Figure 2: Three main areas of built resources in the APE.

IV. METHODOLOGY

Research

Records Search Results and Previous Evaluations

PaleoWest (Project archaeologists) conducted a literature review and records search at the South Central Coastal Information Center (SCCIC), housed at California State University, Fullerton, on November 17, 2021, and provided a copy of the results for review. This inventory effort included the Project APE and a one-half-mile radius around the Project area, collectively termed the records search area. The objective of this records search was to identify prehistoric or historical cultural resources that have been previously recorded within the study area during prior cultural resource investigations.

The records search indicated that five previous investigations have been conducted within the records search area since 1976 (Table 1). One of these studies (SB-05358) includes a small portion of the Project APE.

Table 1: Previous Cultural Studies within the Records Search Area.

Report No.	Date	Author(s)	Title
SB-03586	2000	Love, Bruce	Ontario To Colton Pipeline, San Bernardino County, California
SB-04674	2004	Bonner, Wayne H. and Christeen Taniguchi	Records Search Results and Site Visit for Cingular Wireless Telecommunications Facility Candidate SB-476-01 (Villa Park Trucking) 2301 East Francis Street, Ontario, San Bernardino County, California
SB-05358	*1976*	*Sider, W.A.*	*Cucamonga Creek 1776-1976 After 200 Years*
SB-05367	2004	Marvin, Judith and Riordan Goodwin	Cultural Resource Assessment: Hofer Ranch Airport Business Park Specific Plan Amendment, City of Ontario, San Bernardino County, California
SB-05814	2007	Bonner, Wayne H. and Marnie Aislin-Kay	Cultural Resource Records Search Results and Site Visit for Royal Street Communications, LLC Candidate LA-730C (Carlos Ct), 2001 Elm Court, Ontario, San Bernardino County, California

Italics indicate previous projects that include portions of the current Project APE.

The records search indicated that two cultural resources have been previously documented within the records search area (Table 2). These resources include one historic period building, the Ontario International Airport Terminal (36-012630), and one historic period archaeological site, the remains of an abandoned irrigation system (36-007096). Neither of these resources are within the Project APE.

Table 2: Cultural Resources Recorded within the Records Search Area.

Primary No.	Trinomial	Type	Age	Description
P-36-007096	CA-SBR-7096H	Site	Historic	Remnants of an abandoned irrigation system

Primary No.	Trinomial	Type	Age	Description
P-36-012630	(none)	Building	Historic	Ontario International Airport Terminal

In summary, the records search did not reveal any known, previously evaluated built historic properties within the APE.

Consultation with Interested Parties

The following is a summary of public outreach and interested party consultation completed to date as part of OIAA's CEQA obligations. Section 106 requires that lead agencies consult with interested parties regarding historic properties and the potential effects of undertakings. The FAA, as the federal lead agency, is required to conduct interested party consultation to meet its Section 106 obligations, and consultation with any interested parties will be conducted as part of the Environmental Assessment (EA) process.

OIAA CEQA Consultation

A Notice of Preparation (NOP) of Environmental Impact Report (EIR) for the Project was circulated for public comment from October 15 through November 15, 2021, in accordance with the CEQA Guidelines. The NOP was provided to the State of California Office of Planning and Research State Clearinghouse for distribution for review by state agencies and was also distributed to other local public agencies and other parties by the OIAA. The NOP was also available on the OIAA website. A scoping meeting was held on November 10, 2021 by the OIAA.

The OIAA received one letter regarding the undertaking's potential to affect historic properties from the City of Ontario Planning Department (City). The City informed OIAA that the City had received a federal grant through the Certified Local Government (CLG) Program administered by the California State Parks Office of Historic Preservation (OHP) to prepare a Historic Context Statement (HCS) for Ontario Airport in 2017. This HCS, prepared by ASM Affiliates (Davis and Novell), contained preliminary eligibility determinations for buildings and other resources. This HCS was reviewed with other literature as part of this built environment report, as described below.

Further consultation between OIAA and the City resulted in clarifying that OIAA is the responsible public agency with the authority to prepare and evaluate historic context statements/surveys and to determine the historic significance of structures on airport property.

No other responses to the NOP or scoping meeting were received regarding historical resources.

Additional Research

In addition to the records search and interested party consultation, several other sources were consulted to develop the appropriate historic contexts for the properties in the APE. Laura O'Neill, Architectural Historian with the Desert Research Institute (DRI), visited the City of Ontario's Ovitt Family Library on March 23, 2022, to review relevant local history sources, including histories of the airport and previous environmental documents. Newspaper articles from online databases were also reviewed. Other research resources consulted include the 2017 HCS and survey, a recent survey of eight buildings that overlapped the APE for the current undertaking (Reed and Harris 2022), general histories of Ontario and the airport, previous technical and environmental studies, historic aerial photographs and maps, county assessor data, the California Built Environment Resources Directory (BERD), and credible online sources.

The Reed and Harris survey did not appear in the SCCIC records search results, because it was completed after the search was conducted; however, it included former Ontario ANG Station buildings and former GE facilities outside the APE for the current undertaking. It concluded that none were eligible for listing in the NRHP; it did not identify any eligible historic properties or historical resources.

Field Survey

Ms. O'Neill surveyed the APE on March 24, 2022. Photographs and notes were taken during the field survey. The purpose of the field survey was to document the condition and physical integrity of the potential historic properties in the APE and to confirm dates of construction and alterations.

Resources Requiring Evaluation as Potential Historic Properties/Historical Resources

Based on the records search, research, field survey, and applicable cultural resource codes and regulations, the following resources required evaluation to determine if they are eligible for listing in the NRHP, CRHR, or as local Ontario Landmarks/Historic Districts and should be considered historic properties as defined by Section 106 or historical resources as defined by CEQA:

- Former Ontario ANG hangar – The hangar is over 50 years old and located within the APE. It was evaluated as an individual property in the 2017 HCS and survey of the airport (Davis and Novell). The evaluation was reviewed as part of the research conducted for this report. The review revealed that the previous survey did not meet the requirements in PRC Section 5024.1 and 14 CCR Section 15064.5. It is not included in the State Historical Resource Inventory, and it does not appear that the SHPO ever concurred with the findings. It did not come back in the records search results, nor does it appear in the BERD. Furthermore, review of the evaluation revealed that it is incomplete by current industry standards. It lacks a detailed explanation of potential significance, an outline of character-defining features, and comparison with other examples of its type.

  As a result, new DPR 523 forms were prepared for the current undertaking to evaluate the hangar as an individual resource. See Appendix B.

- Former GE maintenance facility – The facility includes four hangars, an administration building, and ancillary buildings and structures. Five of the nine buildings surveyed are over 50 years old. Parts of the facility were evaluated as a historic district in the 2017 HCS and survey (Davis and Novell). The evaluation was reviewed as part of the research conducted for this report. The review revealed that the previous survey did not meet the requirements in PRC Section 5024.1 and 14 CCR Section 15064.5. It is not included in the State Historical Resource Inventory, and it does not appear that the SHPO ever concurred with the findings. It did not come back in the records search results, nor does it appear in the BERD. Furthermore, review of the evaluation revealed that the analysis is incomplete by current industry standards. It lacks a detailed explanation of potential significance, supporting evidence for the facility's association with important trends or themes in history, and an analysis of the facility's physical integrity.

  As a result, new DPR 523 forms were prepared for the current undertaking to evaluate the facility as a potential historic district. See Appendix B.

Resources Requiring Updated Documentation

Based on the records search, research, field survey, and applicable cultural resource codes and regulations, the following resources do not require re-evaluation to determine if they are eligible for listing in the NRHP, CRHR, or as local Ontario Landmarks/Historic Districts. They are not considered

historic properties for the purposes of Section 106 compliance or historical resources for the purposes of CEQA compliance. These resources were documented and evaluated previously, and their findings remain valid.

- Former Ontario ANG Station – The majority of the former Ontario ANG Station is outside the APE. It was previously determined ineligible for the NRHP as a potential historic district in two separate recordings (Department of the Air Force 1998; Davis and Novell 2017). Fieldwork and research conducted for the current undertaking confirmed the ineligibility findings in the prior evaluations and did not reveal any reason to re-evaluate them from scratch.

  Based on the records search and BERD, it does not appear that the SHPO ever concurred with the DPR forms prepared for the prior evaluations. Because the station does not warrant full re-evaluation and to minimize duplication of effort, a new DPR 523 Update form for the station was prepared to add to the existing documentation and provide information pertinent to the current undertaking. See Appendix B. Determinations regarding which DPR forms to prepare for which resources were based on the California Office of Historic Preservation's *Instructions for Recording Historical Resources* publication, pp. 23-24.

Resources Not Requiring Documentation or Evaluation

Based on the records search, research, field survey, and applicable cultural resource codes and regulations, the following resources do not require evaluation to determine if they are eligible for listing in the NRHP, CRHR, or as local Ontario Landmarks/Historic Districts. They are not considered historic properties for the purposes of Section 106 compliance or historical resources for the purposes of CEQA compliance:

- 1980s-era private jet center – These buildings date from 1985 and later according to the San Bernardino County Assessor and historic aerials. They are typical hangar and office buildings from the 1980s. Research did not reveal any potentially exceptionally significant associations that would warrant evaluation under NRHP Criteria Consideration G.

V. HISTORIC CONTEXT

To consider properties for the NRHP, CRHR or as local landmarks or districts, they must be evaluated within appropriate historic contexts and themes. The historic context presented below is based on the records search and research completed for this report and is scaled to the size and complexity of the proposed undertaking, the APE, and the extant resources therein. The APE includes part of an airport. The general historic context for the properties in the APE is airport development. An understanding of the local setting is also important for evaluating significance. Consequently, the following narratives relevant to the properties in the APE include Airport Development in the 20th Century America and Aviation in Ontario.

Focused theme narratives and property-specific historical information, such as information regarding General Electric's aviation division and the Air National Guard, are included on the DRP forms for each evaluated resource in Appendix B and are not repeated in this report.

Airport Development in 20th Century America[1]

On December 17, 1903, the Wright Brothers embarked on the historic, inaugural flight that would usher in the Air Age and change the world. The American fascination with aviation had begun. In the decades that followed, an entire new industry developed for aircraft development, production, and service. Airshows, showcasing aviators and aircraft, became popular recreational events.

The U.S. Army took early notice of the potential of powered flight in its missions, and incorporated pilot training and airplanes by 1909 (39). The Navy was not far behind, ordering its first aircraft in 1911 (41). The military used aviation in its missions as early as 1913, at the beginning of the Mexican Revolution amid rising tensions at the border. The U.S. Army Signal Corps sent the 1st Aero Squadron to Texas to respond, becoming the first air service unit of its kind ever organized (46).

Despite the early incorporation of aviation into its military, U.S. investment in aerial military components lagged behind the rest of the world's major nations leading up to its entry into WWI (48, 52). A major increase in aircraft production was ordered in 1917 to meet the needs of not only the Army and Navy, but of the country's allies, as well (52). Pressure mounted for increased research and development of aircraft technology as the war continued. This resulted in increased demand for flying fields – ground installations for training, aircraft manufacturing, testing, and repair. A large and widespread network would be required. The federal government appropriated hundreds of millions of dollars to the effort, and an extensive program of temporary wartime construction quickly expanded at airfields around the country. In May 1917, master architect Albert Kahn designed the basic airfield plan using a one-square-mile section that would be replicated and customized for local conditions (54-55).

Airfields took over prairies, farmlands, and coastlines all over the country, in part as a mechanism for recruiting pilots. Flying fields and training schools were also added to existing Army posts, such as Camp Bragg, Camp Knox, and Aberdeen Proving Ground. Facility construction was most often temporary, consisting of wood-frame buildings and steel-frame hangars. On November 11, 1918, the end of WWI yielded an immediate halt to airfield construction in the U.S. The majority of the airfields were leased properties, so the government either immediately vacated them or retained them temporarily for storage (55).

The end of the war may have led to abandoned airfields, but it also led to the beginning a new era in aviation. As expressed in *American Aviation Heritage* (NPS 60):

> When the war ended, dozens of innovative designs were on the drawing boards, thousands of trained pilots, and a surplus of airplanes set the stage for continued advances and new uses for aircraft. All of this technology along with trained aviators and support personnel fueled a race to break speed, altitude, distance, and duration records. These advances would make possible the development of airline routes, global exploration, and a new economic sector with potential for changing the lives of ordinary citizens. America's fledgling aviation industry had been transformed from a haphazard infancy into a vibrant manufacturing enterprise that would spark a national passion for flying and mark the beginning of a "golden age" of flight.

One of the major domestic advances to come out of WWI aviation efforts was airmail. The first regularly scheduled airmail route began in 1918 under the direction of the Army. It was quickly turned over to the Post Office Department. The first transcontinental route from New York to San Francisco was in service

[1] This section was compiled using NPS's *American Aviation Heritage.* Specific page references for dates, figures, and quotes are provided in parentheses.

by 1920. By 1921 in response to Congress' hesitation to fund airmail services, the Post Office demonstrated just how fast mail could be carried by aircraft by flying both day and night across the country in a total of 33 hours and 20 minutes, compared to 4.5 days by rail (63-66).

In the early 1920s, there were no lighted airways for safe night travel and navigating poor visibility due to weather. Bonfires were used to light the way for the 1921 day-and-night airmail flight. Congress funded the first lighted airway to remedy the problem in 1923. A prototype, 72-mile lighted route was established in Ohio. It utilized rotating beacons and field floodlights and became the model for the entire transcontinental airmail route. Expanding airmail service would require more than a lighted airway, however. Significant investment would be necessary. By 1925, Congress passed the Air Mail Act of 1925, transferring airmail operations to private companies. In effect, this pivotal act helped launch the U.S. commercial aviation industry (67-68).

Airmail also led directly to the establishment of many municipal airports. Initial federal budgets for airmail services included monies for pilots, planes, navigational aids, and some emergency fields, but not for a system of federally owned and operated airports. The Post Office campaigned around the country for local communities to build permanent landing facilities. Cities, local landowners, and aviation enthusiasts in places like Atlanta and Chicago heeded the call, initiating the developments that would later become Hartsfield-Jackson International Airport and Midway International Airport, respectively (70).

The Post Office was the most aggressive promoter of local airport construction in the early 1920s, but not the only. The Army, too, through the Army Air Service actively tried to persuade communities to build airfields via the Model Airway Program. The goal was to ensure an adequate number of intermediate landing areas existed for training. They were successful in their efforts, until 1926 when the Air Commerce Act transferred responsibility for airway establishment to the Aeronautics Branch of the Department of Commerce (71).

In the same period, the Army also instituted the Air Service Reserve Flying Field Program to help reserve pilots keep and hone their skills. The program used War Department funds to construct training facilities without purchasing land. Instead, the Air Service leased land from local interests for one dollar per year and resulted in the construction of airports in numerous cities from coast to coast. Additionally, the Air Service developed and distributed a manual titled "Airways and Landing Fields" that served as a how-to guide for airport construction and became one of the first works on airport design. Disseminating this information made local airport construction easier and more accessible. Military offices also published articles extolling the need for a national network of airports, the undoubted benefits for local communities, and even argued that constructing local airports was a civic duty (71-72).

In addition to the influences of the military and Post Office, the role of private industry in airport development cannot be overlooked. Private citizens, often through chambers of commerce and local aviation groups, took the lead in their community airfields through sponsorship and proactive construction. City governments took on greater roles in the early 1920s. State governments became involved in airport operations as early as 1920, but the majority of states did not officially authorize cities to own and operate municipal airports until the latter half of the decade (72). Between 1927 and 1929, 33 states created such legislation (86).

Also in the late 1920s, emphasis on safety increased, as did public support for airports. Cities across the country responded accordingly and airport development accelerated in its shift from the private to the public sector. A major factor in the shift was the Air Commerce Act of 1926. The act gave responsibility for the development of airways and supporting systems to the federal government, but local governments

would have to build and maintain the airports. Federal funding for local airports was prohibited; however, federal regulation of them was not (86-87).

Loose regulation of airport design began with the Air Commerce Act of 1926, but compliance was voluntary. Construction boomed between 1926 and 1930, yet airport development varied widely through the early 1930s. Western cities were far more proactive in setting up airports than cities in other parts of the country, leading to regional disparity. In the early 1930s, airport construction waned due to the Great Depression, lack of municipal funds, and the rise of liability and nuisance lawsuits (90-91).

It was also clear by the early 1930s that airport construction was neither cheap nor simple. Constant improvements in aviation technology meant the constant need for improvements to airport facilities. Better lighting, more durable landing surfaces, new technological devices, and customer amenities all drove up costs at local airports. Worsening the problem, most airports were not profitable. Along came President Roosevelt's New Deal in 1933 and with it came much-needed federal assistance for local airports (113-114).

The New Deal's Civil Works Administration (CWA) yielded work on 808 landing fields and airports by 1934, most of which were in small communities. The Works Progress Administration (WPA) replaced the CWA in 1935 and continued expanding airports and improving airways. The enabling legislation required that cities own, rather than lease, their airports to qualify for assistance, prompting cities like Los Angeles to purchase land they had previously been leasing (115-116). In 1938, the Civil Aeronautics Act removed some of the existing restrictions on federal direct funding for airports. In effect, it "recognized that U.S. commercial aviation had come of age" (120). A year later, in 1939, New York's LaGuardia Airport opened. Sometimes called the first modern airport, LaGuardia became home to four commercial airlines, American, TWA, United, and Eastern. It was followed in 1941 by Washington's National Airport, another example of a model modern airport.

All of this was happening on the brink of WWII, and once the U.S. entered the war, it needed airports. The Army, Navy, and Army Air Force (AAF) all utilized civilian airports to fill this need. They leased, purchased, or developed agreements with local governments to use existing airports throughout the country with the promise of returning them following the war. The War Department began investigating the possibility of using civilian airports as early as 1939. They developed a list of 4,000 airports for potential use, though ultimately programmed improvements at 250 (167).

The program was called the Development of Landing Areas for National Defense (DLAND). By 1941, 17 airport improvement projects were underway in California, with others in Florida, Maine, Texas, Washington, and Massachusetts. Florida had the most with 31. DLAND funding yielded lasting improvements to municipal airports in the form of extended and new runways and lighting and drainage systems. Many of the buildings and structures constructed by the military during the war, however, were temporary and removed after its conclusion (167-168).

By the end of WWII, many cities throughout the country had improved airfield facilities and were well-prepared for the expansion of civilian air travel in the postwar era. Both private flying and commercial aviation were poised to boom with hundreds of thousands of trained pilots and a new generation of willing passengers. Federal funding for airport improvements continued with an emphasis on funding smaller airports. There were competing interests inherent in the legislation, on the one hand separating the legislation from national defense interests and on the other using defense as a justification. During the Korean War, for example, Congress appropriated $500 million for airport improvements for military use (200-201).

Airplanes, like airports, benefited from the extensive research, development, and mass production of the war years. The development of jet engines, in particular, would prove to be world changing. Though commercial airlines in the U.S. were hesitant to invest too much in jet technology in the early postwar years, by the late 1950s, the jet age had officially begun. National Airlines became the first in the U.S. to offer jet service, using leased Boeing 707s, on December 10, 1958. Other major carriers followed, offering transcontinental and international flights to a rapidly increasing consumer base (219-221).

Jets required much larger runways and served many more passengers than their predecessors. Airports required numerous upgrades to both infrastructure and passenger facilities, accordingly. At existing airports, runways were extended and reinforced. At new airports, such as the groundbreaking Dulles International Airport, they were built to new, massive specifications. Terminals were either significantly upgraded or replaced. Terminal architecture took on new importance as designs had to be more than just functional and efficient; they had to be aesthetically appealing and comfortable, as well (225-227).

By the 1970s, air travel had become a component of the nation's mass transit. After 40 years of federal regulation, Congress deregulated it in 1978. Airlines were free to set their own fares, determine their own routes, and the like (228). This has had both positive and negative effects on U.S. air travel that continue to the present day. As summarized in *American Aviation Heritage* (NPS 230):

> Through regulation and deregulation, the introduction of jet airliners, battles over noise, the vast expansion of passenger air traffic, and myriad new technologies that support the air traffic system in the United States, major airports have become far more complex and expensive than the first enthusiastic generation of airport boosters could have imagined. Particularly due to the expansion of air passenger traffic since World War II, airports throughout the United States, and throughout the world, have struggled to keep up with the growth. As a result, it may seem to observers that the nation's airports are in a perpetual state of change and renewal as construction projects, large and small, seem a constant.

Aviation in Ontario[2]

Aviation in Ontario and the corresponding development of the Ontario airport followed the basic nationwide trends throughout the 20th century. It started as a result of local group of pilots, expanded through the efforts of the local government, benefited from improvements made with federal funds through the Great Depression, WWII, and Cold War, reorganized a number of times, and responded to changing needs and demands fueled by technological advances and consumer demand.

In 1923, airplane enthusiasts known as the First Friends of the Ontario Airport landed a Curtiss JN 4 "Jenny" aircraft on a dirt patch near San Antonio Avenue and the Union Pacific railroad tracks (Watson 2). The strip became known as Latimer Field. It was Ontario's first airfield and initiated the city's association with the aviation industry. The location was three miles west of the current airport, on land leased from the Union Pacific. Increased land development demands pushed aviators to the east. Six years later, the city purchased 30 acres at the airport's current location for a total of $12,000 to create the Ontario Municipal Airport. In 1941, in the runup to the U.S. entry into WWII, the city purchased an additional 470 acres and began constructing new runways.

[2] Dates and figures in this section are from LAWA, "History of LA/Ontario International Airport," unless otherwise cited. A review of historical literature regarding aviation in Ontario presented numerous examples of conflicting information. The information presented herein represents a best practices effort to provide as accurate as possible historical narrative under the circumstances.

In 1942, the U.S. Army Air Corps (AAC), a predecessor of the U.S. Air Force, took over the municipal airport for military operations and called it Ontario Army Airfield (OAAF). The AAC used the airport as a P-38 training base and a P-59 operating base. They built 215 buildings and structures on the grounds to accommodate pilots training and stationed at the temporary base. The military presence also coincided with the transition from dirt to concrete runways (Watson 3). The Works Progress Administration (WPA) completed the engineering project in 1942, resulting in a 6,200-foot east-west runway and a 4,700-foot northwest-southwest runway at a cost of $350,000 (Watson 4). In 1947, following the end of the war, the military demolished most, if not all, of the buildings and structures and returned the airport to the city (UCSB historic aerials; NETROnline). The military use of municipal airports during WWII and subsequent return to local governments was common practice nationwide (Denfield 2012).

Toward the end of the AAC's tenure in Ontario, in 1946, the airport was renamed the Ontario International Airport to reflect the transpacific cargo flights originating there. By 1949, the airport hosted commercial airline service, and a new terminal building was constructed in 1951 to meet growing demand. A new air traffic control tower was added in 1953 (Watson 4). Three major aircraft plants had facilities at the airport in the 1950s, including Lockheed, Douglas, and Northrop (Watson 4), as did General Electric (GE) Aviation (Neward 38). Lockheed had the largest presence with facilities on both the north and south sides of the runways (Neward 67). GE appears to have taken over some of Lockheed's facilities on the south side of the runways c. 1955 (Neward 38, 59, 67; Davis and Novell 27).

In addition to the expansion of commercial and passenger activities, the 1950s witnessed the return of the military to the Ontario International Airport. The California Air National Guard established an armory at the airport in 1949. In 1952, the ANG approached the city about forming a station at the airport but required a longer runway for its fighter jets (Neward 37-38). The city purchased the additional land for the runway, and the Ontario ANG Station followed. The ANG required two additional runway extensions in 1956 and 1962, both times to accommodate faster aircraft (Watson 5). The ANG's facilities were concentrated in the southwest corner of the airport and included a maintenance hangar, dining hall, administrative buildings, training facilities, maintenance shops, and storage facilities (Department of the Air Force 3-54).

By 1964, the airport's two original runways had reached their final lengths. A new passenger terminal was added in the 1960s as air travel increased in popularity (Watson 6). The airport became part of the Los Angeles regional airport system in 1967 via a joint-powers agreement between the City of Ontario and the Los Angeles City Department of Airports (predecessor to the current Los Angeles World Airports [LAWA]). Three years later, in 1970, the airport implemented a major expansion, adding 300 acres of land and expanding the terminal facilities by 22,500 square feet. Passenger service continued to grow with one million annual travelers in 1972 and two million by 1979 (Watson 7).

In 1982, Ontario transferred the airport's title to the City of Los Angeles. Throughout the 1980s, the airport experienced significant increases in passenger volumes, hitting five million per year by 1989. New facilities constructed in the decade included a new 10,200-foot runway for wide-body jets to the south of the original east-west runway and a new air traffic control tower.

By 1990, it was becoming clear that cargo operations would be a significant part of the airport's future. United Parcel Service (UPS) broke ground on a new cargo hub that year. Passenger service continued to grow at the same time, and a $270 million new terminal complex was approved to meet demand. The new facilities broke ground in 1995 and opened in 1998. Incidentally, the Ontario ANG Station officially closed the same year, in 1998 (Air Force Civil Engineer Center). Also in the mid-1990s, a new, longer, 12,200-foot runway was added to the north of the original east-west runway. By 2005, passenger service

reached a peak volume of seven million and then began to decline. Freight service declined for a brief period before steadily increasing. The airport continued to make physical improvements to its facilities, including airfield enhancements and transportation improvements.

Los Angeles transferred ownership and control of the airport in 2015 to the OIAA after years of negotiations and a lawsuit. The OIAA was formed in 2012 by a joint-powers agreement between Ontario and San Bernardino County. It retains control over the airport to the present day (ONT 2022). The Ontario International Airport is the only airport in the City of Ontario. Smaller, regional, general aviation airports exist in nearby cities, such as Redlands, Chino, and Upland. San Bernardino International Airport is the closest international airport; it offers mostly cargo service with only one commercial passenger airline.

VI. BUILT RESOURCE EVALUATIONS

Table 3 provides a summary of the results of the evaluations completed as part of the cultural resource compliance efforts for the proposed Project. Brief discussions of the resources follow the table. See the DPR forms in Appendix B for full resource descriptions, applicable theme narratives, detailed NRHP, CRHR, and local evaluations, and numerous photographs of each resource.

Table 3. Summary of Evaluation Recommendations.

Name	Type	NRHP Recommendation	CRHR Recommendation	Ontario Recommendation
Ontario ANG hangar	Former military maintenance hanger	Ineligible. Though it retains integrity, it does not possess significance under any of the established criteria.	Ineligible. Though it retains integrity, it does not possess significance under any of the established criteria.	Ineligible. Though it retains integrity, it does not possess significance under any of the established criteria.
GE maintenance facility	District of maintenance hangars and associated buildings and structures	Ineligible. The potential district lacks both significance and integrity.	Ineligible. The potential district lacks both significance and integrity.	Ineligible. The potential district lacks both significance and integrity.

Ontario ANG Hangar

History and Description

The Ontario ANG hangar was built in 1955 and used as a California ANG facility until 1995. The Ontario ANG Station officially closed in 1998 (Air Force Civil Engineer Center). Based on its intact features, it was designed and constructed according to the U.S. Air Force (USAF) standard plan for hangar type H-2. This standard plan dates to 1951 and is attributed to Mills & Petticord (Weitze 65). Type H-2 hangars were maintenance hangars. They featured a large central hangar with multi-leaved, telescoping doors, surrounded on two or three sides by two-story lean-tos for shop space. This hangar type was built at USAF and ANG installations all over the country in the Cold War era, as evidenced in Appendix D, "Representational Hangars" of *Historical and Architectural Overview of Aircraft Hangars of the Reserves and National Guard Installations from World War I through the Cold War* (Aaron) and in numerous other historic context statements on U.S. Cold War military resources.

The Ontario example is nearly identical to many of its extant contemporaries (see Figure 3). It is composed of a steel-frame central hangar with concrete block lean-tos on three sides faced with brick and corrugated metal siding. It has bands of multi-light metal windows on both the lean-tos and the hangar. Original doors are also metal, some with single lights. The hangar's multi-leaved doors include eight total leaves with tall multi-light windows on all leaves and pilot doors in the end leaves. The hangar elevations are clad with corrugated metal siding. There is no tail cut in the primary elevation, indicating that the Ontario ANG Station did not service planes with high tails. This is also evident from the relatively low bottom chords on its interior steel trusses. The building has one-story additions on its rear elevation and some of the windows have been painted over, glazing and all. Otherwise, the building remains intact from its 1955 construction.



Figure 3: Ontario ANG hangar, looking south, March 2022.

Air National Guard groups stationed at Ontario while the hangar was in use as part of the Ontario ANG Station included: the 196th Tactical Air Support Group and the 163rd Tactical Support Group from July 1952 until 1983, and the 148th Combat Communications Squadron (CCS) from 1984 to1995. During the 196th and 163rd tenures, the station was used as an operations area in support of the California ANG's air training mission. Both jet and propeller aircraft were taxied, parked, and maintained at the station. During the 148th period, the CCS conducted radar operations, maintenance, and training on the property (California Military Department). Missions attributed to the groups and squadrons at the station included fighter-interceptor, air defense, tactical air support, tactical reconnaissance, air refueling, and communications.

NRHP Evaluation Summary

Research into the defense missions and their fulfillment at the Ontario ANG Station did not reveal any direct associations with important events or trends. The missions and activities were typical of ANG installations throughout California and the United States. No significant missions or activities originated at the station, and the groups and squadrons were not directly related to any significant military events. As a result, the hangar does not appear significant under NRHP Criterion A for direct association with important historical trends or events.

The Ontario ANG hangar was associated with numerous members of the California ANG. Research did not reveal a direct association with any specific, important individuals in local, state, or national history. The collective contributions of the many Air National Guard personnel stationed at the hangar over time is best understood and evaluated under NRHP Criterion A. Therefore, the hangar does not appear significant under NRHP Criterion B for direct associations with important individuals.

To be eligible under NRHP Criterion C, the hangar would have to be an outstanding example of its type in comparison with its peers. There are numerous extant H-2 type hangars across the country. Every intact example is not eligible for listing in the NRHP. In order to be eligible under this criterion, a hangar would have to be an early prototype or display some unique adaptations to suit a particular mission, aircraft type, or local conditions. This is not the case for the Ontario ANG hangar. It followed standard design plans and served standard missions and aircraft. It is nearly identical to other ANG hangars from the mid-1950s, many of which have been determined ineligible for the NRHP, including others in California. Building 100 at the Fresno ANG Station is a good example of a very similar hangar determined ineligible in 2005 (Aaron D-9). In fact, a review of the representational hangars provided in Aaron's Appendix D found that no ANG maintenance hangars had been previously determined eligible for the NRHP. Eligible hangars were limited to those with other functions, such as aerial ports and first-generation alert hangars. Following the guidance in Aaron's ANG-specific historic context statement, the Ontario ANG hangar does not appear significant under NRHP Criterion C.

Criterion D generally applies to archaeological resources that have the potential to yield significant information for the study of history or pre-history. As pointed out in Aaron, it would be unlikely that a military aircraft hangar would meet Criterion D. Drawings for standard plans and specific hangars exist that provide adequate information for understanding the technologies and designs of the buildings. As a standard plan hangar, the Ontario ANG hangar is not significant under NRHP Criterion D.

In summary, although the hangar is intact and retains physical integrity, it is not significant under any of the established NRHP Criteria for Significance. It does not appear to be eligible for listing in the NRHP.

CRHR Evaluation Summary

The CRHR criteria for significance are nearly identical to the NRHP criteria. As such, the Ontario ANG hangar does not appear to be eligible for the listing in the CRHR for the same reasons outlined above in the NRHP evaluation.

Ontario Historic Landmark Evaluation Summary

Most of the Ontario Historic Landmark Criteria are nearly identical to the NRHP and CRHR criteria. Criteria 1 and 2 relate to meeting the NRHP or CRHR criteria, respectively. Per the NRHP and CRHR evaluation summaries above and detailed on the DPR forms in Appendix B, the Ontario ANG hangar is not eligible for either, so it does not meet local Criteria 1 and 2. Criterion 3 has eight subparts (a through h). Criteria 3(a) through 3(f) restate the NRHP and CRHR criteria. Thus, the Ontario ANG hangar is not eligible under local Criteria 3(a) through 3(f).

Criteria 3(g) applies to properties with unique locations, singular physical characteristics, and those that are established and familiar visual features. The Ontario ANG hangar does not meet this Criterion. It is an aviation property in an airport location. It is a standard plan hangar made of typical materials applied in a typical manner, so it does not possess any singular distinguishing physical characteristic. Lastly, it is not a familiar visual feature in the City as it is only highly visible from restricted access locations within the Airport.

Criteria 3(h) applies to properties that are one of the few remaining examples in a geographic area possessing distinguishing characteristics of an architectural or historical type or specimen. The Ontario ANG hangar is not one of the few remaining examples of an H-2 maintenance hangar on the regional or national scale. Dozens remain nationwide, including others in California. It is the only ANG hangar in Ontario, but as outlined under the NRHP summary above and in detail on the DRP forms in Appendix B, it does not possess distinguishing characteristics. It is an example of its type, but it is not an important example. Therefore, it is not one of the few remaining examples possessing distinguishing characteristics of an architectural or historical type or specimen.

In summary, although the hangar is intact and retains physical integrity, it is not significant under any of the established Ontario Historic Landmarks Criteria. It does not appear to be eligible for listing as an Ontario Historic Landmark.

GE Maintenance Facility

History and Description

The former GE maintenance facility consists of three former maintenance hangars (Buildings 1-3), a storage hanger (Building 4), an administration building connected to one of the maintenance hangars (Building 6), and support buildings (Buildings 5 and 7-9). See Figure 4. The facility developed over a period of time starting in 1946 and extending to around 1994, according to historical records and aerial photographs (UCSB and NETROnline). The first buildings were Buildings 1 and 2, two Army surplus World War II hangars. The City of Ontario acquired them in 1946 from an offsite location; they are not original to the Ontario airport ("Ontario Acquires Plane Hangars"). By 1952, a third, very similar hangar, Building 3 was added. The three hangars are metal-framed with metal siding and have arched roofs. They originally all had multi-leaved, multi-light doors with pocket extensions on their runway-facing elevations, but only one such door remains on the northwest elevation of Building 3.

By 1959, Building 4, a double-gabled metal hangar, and Building 5, a small gabled building, were added to the facility, along with a few smaller buildings. By 1966, multiple large additions were added to Buildings 1 and 2. By 1980, several new buildings existed, including Building 6 parallel to Buildings 1 and 2, Building 7, and more additions to Buildings 1 and 2. Building 6 was extended by 1985 to physically adjoin Building 2 and to create administrative office space. By 1994, Buildings 8 and 9 had been completed. The resulting composition of the facility is an assortment of buildings and myriad additions from five decades of development.

In the late 1940s, it appears that the original three hangars functioned as municipal airport facilities (UCSB). They were later used by Northrop and Douglas Aircraft. The City leased the buildings to GE in either 1954 (Neward 38) or 1956 (Davis and Novell 27), depending on the source, and GE remained at the site until 2010 ("GE Aviation closing California facility"). GE used the buildings for aircraft engine maintenance activities. They are currently occupied by the OIAA as offices, maintenance, and storage facilities.

There is little cohesion in the facility at present. Though it started out primarily as three, nearly identical arched-roof hangars organized on a northeast-southwest axis, numerous additions and alterations have substantially diminished visual connection and continuity. Perimeter fencing composed of concrete block and chain link is a unifying element, though Building 4 is cutoff from the other buildings by an interim fence. Materials vary based on period of original construction and alterations. They include smooth stucco, corrugated metal, standing seam metal, and concrete block. Building forms include rectangular plans with arched, gabled, shed, and flat roofs. There is no landscaping within the district boundary;

however, there is a row of trees along E. Avion Street, outside the facility's perimeter fence. The overall character of the facility is industrial.



Figure 4: GE maintenance facility map.

NRHP Evaluation Summary

GE Aviation is a well-known, widely recognized pioneer in aviation history with numerous significant achievements, including: the first airplane engine "booster" known as the turbosupercharger; America's first jet engine; the first turbojet engines to power flights at two and three times the speed of sound; and the world's first high bypass turbofan engine to enter service (Weber; GE Aviation). The company is undoubtedly important within the context of aviation. Facilities associated with its important achievements include its large research and manufacturing facilities, like the plants in Lynn, Massachusetts and Evendale, Ohio. Research did not reveal any evidence to suggest that important developments in the field of aviation or in the history of GE Aviation occurred at the Ontario maintenance facility. Engine maintenance was a routine operation and maintenance facilities were standard airport fixtures.

Numerous aviation-related companies had facilities at the Ontario International Airport in the postwar era, in addition to GE. Lockheed, Northrop, Douglas, Otto Instrument Service, and Aerojet-General Corporation are some examples. Among the group, Lockheed had the biggest impact on the airport and its development. The Lockheed Airport Services (LAS) division occupied a 70-acre area and built more than 25 structures over a 46-year period. LAS's domestic and international operations were headquartered at the facility. It encompassed a large area and created a purpose-built campus. Its activities extended beyond routine maintenance to production of specialized devices and systems and modification of specialized aircraft (Davis and Novell 23-26). While it is clear that LAS impacted the airport and

surrounding communities and that it was an important aspect of Lockheed's operations, the same cannot be said of the GE facility in comparison.

The GE facility provided typical maintenance services. It developed by occupying existing buildings and adding additions and new buildings on what appears to have been on an as-needed basis. It does not appear to have generated independent growth of the airport or surrounding communities. As a result, it does not appear to possess significance under NRHP Criterion A for direct, important association with historical trends or events.

The former GE maintenance facility was associated with numerous GE employees. Research did not reveal a direct association with any specific, important individuals in local, state, or national history. The collective contributions of the many employees working in the facility over time is best understood and evaluated under NRHP Criterion A. Therefore, the facility does not appear significant under NRHP Criterion B for direct associations with important individuals.

Under Criterion C, the facility lacks a cohesive, discernable site plan and design program. It is a hodgepodge grouping of buildings added and modified over a long period of time. It does not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or that possess high artistic values. It does not represent a significant and distinguishable entity whose components may lack individual distinction principally because it lacks historic or architectural significance. The facility's most interesting buildings are its World War II-era hangars, but they have all been altered to the point of no longer retaining integrity. Additions, multi-leaf door removals, siding changes, window removals, and door replacements are all evident. In fact, even if the facility possessed significance under one of the other NRHP Significance Criteria, it would likely not retain sufficient integrity to convey such significance and would not be eligible for listing in the NRHP.

Criterion D generally applies to archaeological resources that have the potential to yield significant information for the study of history or pre-history. As a collection of altered, standard plan hangars, pre-fabricated buildings, and construction as recent as 1994, the GE maintenance facility has no such information potential and is not significant under NRHP Criterion D.

In summary, the GE maintenance facility is not significant under any of the established NRHP Criteria for Significance. Even if it were significant, the buildings and structures would not retain sufficient integrity to qualify for the NRHP. It does not appear to be eligible for listing in the NRHP.

CRHR Evaluation

The CRHR criteria for significance are nearly identical to the NRHP criteria. As such, the former GE maintenance facility does not appear to be eligible for the listing in the CRHR for the same reasons outlined above in the NRHP evaluation.

Ontario Historic District Evaluation Summary

Most of the Ontario Historic District Criteria are nearly identical to the NRHP and CRHR criteria. Criteria 1 and 2 relate to meeting the NRHP or CRHR criteria, respectively. Per the NRHP and CRHR evaluation summaries above and detailed on the DPR forms in Appendix B, the former GE maintenance facility is not eligible for either, so it does not meet local Criteria 1 and 2. Criterion 3 has four subparts (a through d). Criteria 3(a), 3(c), and 3(d) restate the NRHP and CRHR criteria. Thus, the Ontario ANG hangar is not eligible under local Criteria 3(a), 3(c), and 3(d).

Criteria 3(b) applies to properties that reflect significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of a park landscape, site design, or community planning. The GE maintenance facility does not meet this Criterion. It developed over several decades in an as-needed manner. Buildings and additions were built essentially wherever there was space. It does not reflect any clear development pattern as a result, nor does it reflect a distinctive example of park landscape, site design, or community planning.

In summary, the GE maintenance facility is not significant under any of the established Ontario Historic District Criteria. Even if it were significant, the buildings and structures would not retain sufficient integrity to qualify for the NRHP. It does not appear to be eligible for listing as an Ontario Historic District.

VII. CONCLUSIONS AND RECOMMENDED FINDINGS

None of the resources in the APE appear eligible for listing in the NRHP. They are not historic properties as defined by Section 106 of the NHPA. The recommended Section 106 finding for the undertaking for built environment resources is No Historic Properties Affected pursuant to 36 CFR §800.4(d)(1). Likewise, none of the resources in the APE appear eligible for listing in the CRHR or as Ontario Landmarks/Historic Districts. They are not historical resources as defined by CEQA, and no further cultural resources compliance analysis or review is recommended.

The recommended California Historical Resource Status Code for all built environment resources in the APE is 6Z: found ineligible for NRHP, CRHR, or local designation through survey evaluation. See DPR forms in Appendix B for detailed evaluations and property data.

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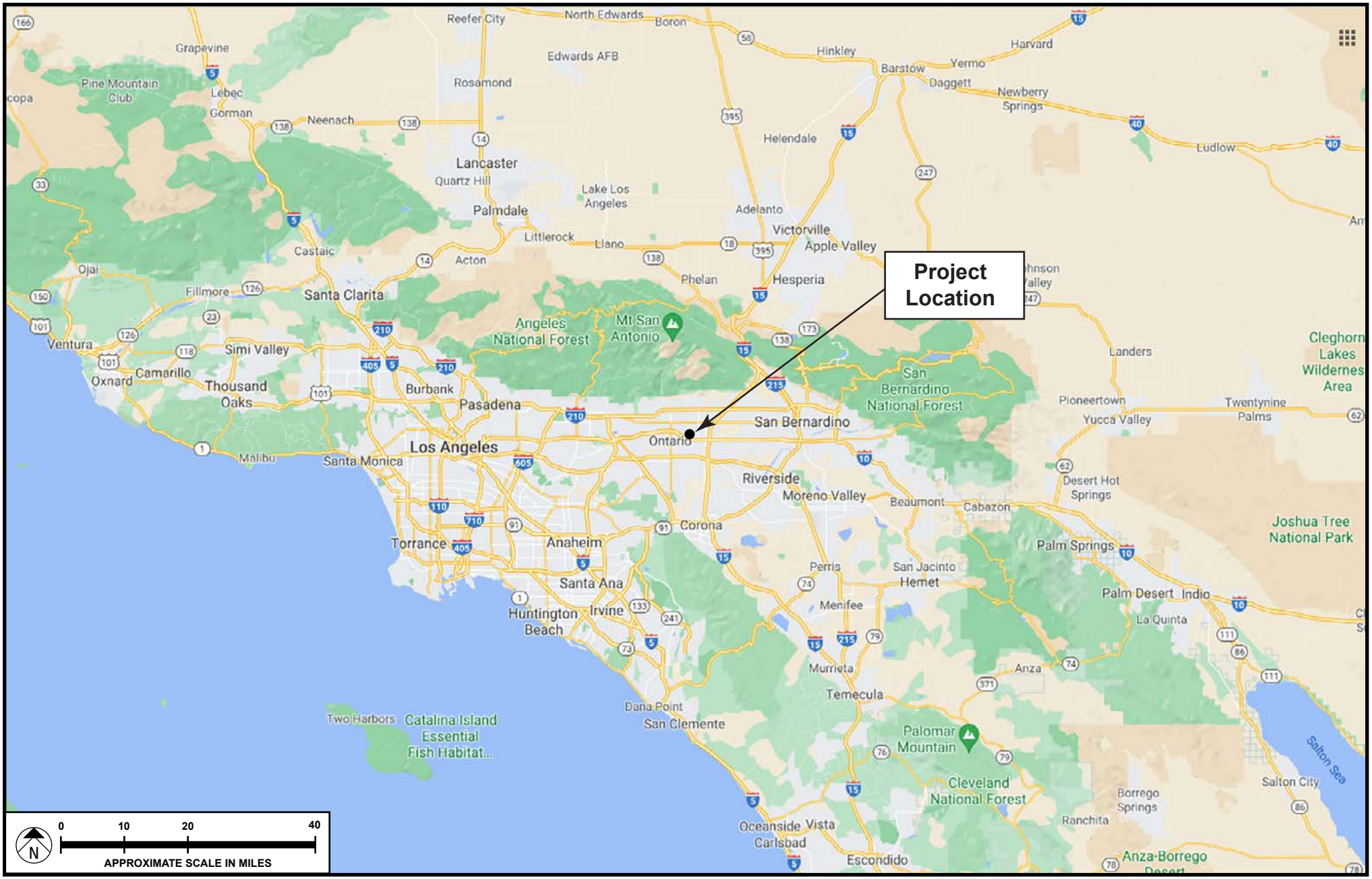
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APPENDIX A

Project Maps

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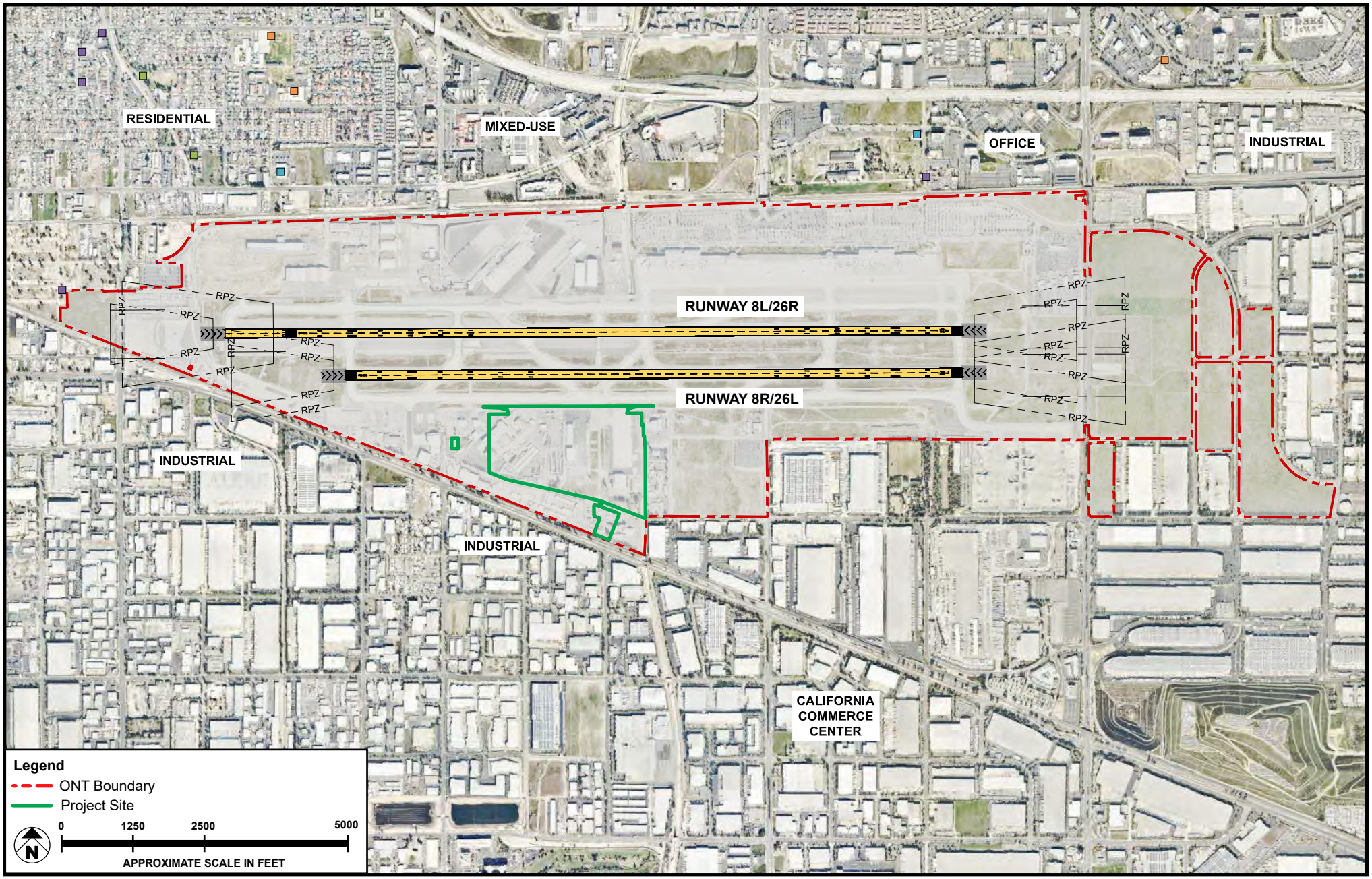
SOURCE: Google Earth - 2022

FIGURE **1.1**

Meridian Consultants

Regional Location

332-001-21



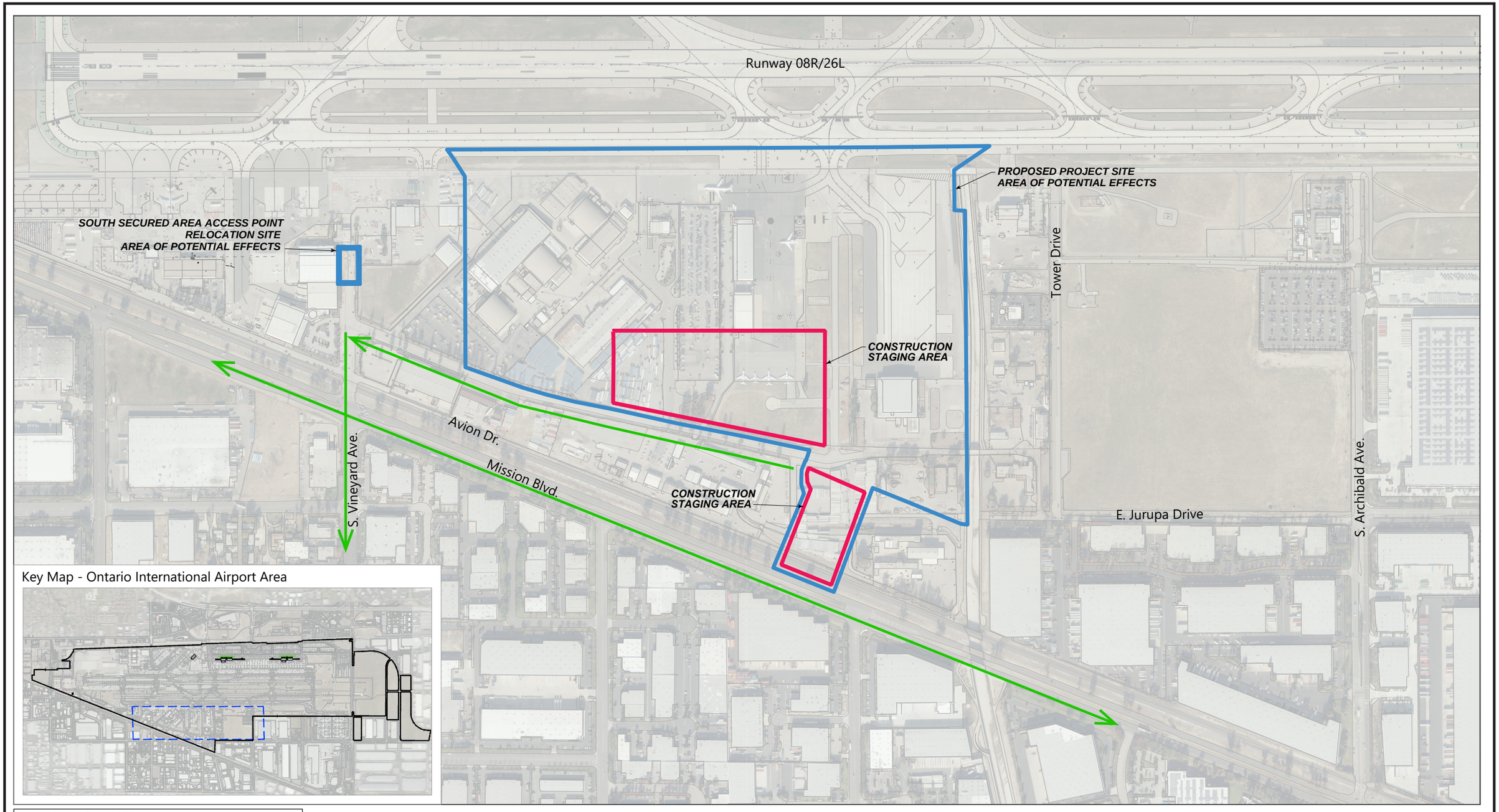
SOURCE: Google Earth - 2022

FIGURE **1.2**

Meridian Consultants

Project Site Location

332-001-21



Drawing: P:_PROJECTS\ONT\20-02-1193 ONT On-Call Planning\20 - Enviro Planning Support South Airport Cargo EA Review\04 SACC Exhibits\SAAP-Exhibit.dwgLayout: SAAP SITES Plotted: Sep 27, 2022, 02:18PM

SOURCE: Ontario International Airport, Airport Layout Plan, May 2020: Ricondo & Associates, Inc., September 2022

Meridian Consultants

ONT SACC Project Area of Potential Effect

332-001-21

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APPENDIX B

DPR Forms

Ontario Air National Guard Station

- 2022 DPR form series for the Ontario ANG hangar
- 2022 Update form
- 2017 District Record and DPR A forms for individual buildings

General Electric Maintenance Facility

- 2022 DPR A form for the evaluated district
- 2022 District Record form (with Continuation sheets)
- 2022 DPR A forms for individual buildings

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Ontario Air National Guard Hangar DPR Forms - 2022

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State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 **of** 12 ***Resource Name or #:** (Assigned by recorder) Ontario Air National Guard Hangar
P1. Other Identifier:

*P2. **Location:** ☐ **Not for Publication** ☑ **Unrestricted**

***a. County** San Bernardino **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad** Guasti **Date** 2015 **T** 1S; **R** 7W; **of Sec** 1/4 ; SB **B.M.**

c. Address 2475 E. Avion Street City Ontario Zip 91761

d. UTM: (Give more than one for large and/or linear resources) Zone 11S, 44499.47 mE/ 3767880.54 mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The Ontario ANG hangar is composed of a steel-frame central hangar with concrete block lean-tos on three sides faced with brick and corrugated metal siding. It has bands of multi-light metal windows on both the lean-tos and the hangar. Original doors are also metal, some with single lights. The hangar's multi-leaved doors include eight total leaves with tall multi-light windows on all leaves and pilot doors in the end leaves. The hangar elevations are clad with corrugated metal siding. There is no tail cut in the primary elevation, indicating that the Ontario ANG Station did not service planes with high tails. This is also evident from the relatively low bottom chords on its interior steel trusses. The building has a couple of one-story additions on its rear elevation and some of the windows have been painted over, glazing and all. Otherwise, the building remains intact from its 1955 period of construction.

***P3b. Resource Attributes:** (List attributes and codes) HP 34. Military property

***P4. Resources Present:** ☑ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #) North elevation, looking south, 3/24/2022

***P6. Date Constructed/Age and Source:** ☑ Historic ☐ Prehistoric ☐ Both
1955; numerous sources

***P7. Owner and Address:**
Ontario International Airport Authority
1923 E. Avion Street
Ontario, CA 91761

***P8. Recorded by:** (Name, affiliation, and address) Laura O'Neill
Desert Research Institute (DR)
755 E. Flamingo Road, Las Vegas, NV

***P9. Date Recorded:** 3/24/2022

***P10. Survey Type:** (Describe)
Section 106/CEQA

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")

Historic Property Evaluation Report for the Ontario International Airport South Cargo Center Project, Ontario, San Bernardino County. Prepared by Laura O'Neill, DRI, for Meridian Consultants. May 2022.

***Attachments:** ☐NONE ☐Location Map ☑Continuation Sheet ☑Building, Structure, and Object Record
☐Archaeological Record ☑District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California – The Resources Agency Primary #
DEPARTMENT OF PARKS AND RECREATION HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) Ontario Air National Guard Hangar ***NRHP Status Code** 6Z
Page 2 **of** 12

B1. Historic Name: Ontario Air National Guard (ANG) hangar
B2. Common Name: Ontario ANG hangar
B3. Original Use: Aircraft maintenance B4. Present Use: Vacant/Filming
***B5. Architectural Style:** N/A
***B6. Construction History:** (Construction date, alterations, and date of alterations)
Built: 1955. Minor rear additions at unknown dates.

***B7. Moved?** ☑ **No** . **Yes** ☐**Unknown** **Date:** _____ **Original Location:** _____
***B8. Related Features:**
Large lot for parking aircraft to the north. The crash truck/fire station to the west was recorded separately as a potential district contributor in 2017 and found ineligible.

B9a. Architect: Mills & Petticord (standard plans) b. Builder: Unknown
***B10. Significance: Theme** Military Aviation; Hangar Design **Area** California; U.S.

Period of Significance 1955-1995 **Property Type** Hangar **Applicable Criteria** N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The Ontario ANG hangar was evaluated for individual NRHP and CRHR eligibility within the general context of aviation. The applicable themes include military aviation within the Air National Guard and hangar design. Although it retains integrity, the hangar is not significant under any of the established criteria. As a result, it does not appear to be eligible for listing in the NRHP or CRHR. The information and registration requirements in *Historical and Architectural Overview of Aircraft Hangars of the Reserves and National Guard Installations from World War I through the Cold War* (Aaron) served as the framework for the evaluation. See Continuation sheets.

The hangar is within the boundary of the larger Ontario ANG Station. The station was evaluated as a potential district in 1998 and 2017 and found to be ineligible both times. The 2017 District Record and a current Update form for the district are included with this individual evaluation for reference.

B11. Additional Resource Attributes: (List attributes and codes) None.
***B12. References:**

See continuation sheets.

B13. Remarks:

None.

***B14. Evaluator:** Laura O'Neill, DRI
***Date of Evaluation:** May 2, 2022

(This space reserved for official comments.)

(Sketch Map with north arrow required.)



B10. Significance, continued.

History of the Air National Guard

The following narrative was compiled using the Military Network's "Air National Guard History" and Susan Rosenfield and Charles J. Goss's *Air National Guard at 60: A History*, as cited in parentheses. Full citations are located in the References section.

The Air National Guard was established as a separate reserve component of the U.S. Air Force in September 1947, but it traces its roots to the 1st Aero Company, New York National Guard. In July 1916, the 1st Aero Company mobilized during the border crisis with Mexico. It trained at Mineola Field, New York (Military Network).

During WWI, the War Department decided that it would not mobilize National Guard air units. Instead, individual volunteers provided a major pool of Army Air Force (AAF) pilots. They were required to leave the Guard and enter the Signal Corps Reserve if they wished to fly in the war. During WWII, Guardsman served in every major combat theater during the war. The most significant wartime contribution of National Guard aviators was to train and lead the large numbers of volunteer airmen who had entered the AAF (Military Network).

The National Guard Association of the United States compelled the AAF to plan for a significant dual-component reserve force including an Air National Guard once the overseas fighting ended. General George C. Marshall, Army Chief of Staff, also pressured the AAF to revise its ambitious plans for a large postwar active-duty force. When President Harry S. Truman instituted dramatic postwar military budget cuts, he split defense dollars evenly among the Army, Navy, and Air Force. That move also required the Air Force to plan for a far smaller active-duty service than it had envisaged. As a result, the Air Force needed the reserve components to help fill the gap (Rosenfield and Gross).

The Air Force of the mid-to-late 1940s included the 58,000 members of what became the Air National Guard. Its primary units were 84 flying squadrons, mostly fighters with air defense of the continental United States as their main mission. In 1946, as individual units began obtaining federal recognition, a separate Air Guard began to emerge. September 18, 1947, however, is considered the ANG's official birth date, the same day the Air Force became a separate service under the 1947 National Security Act (Rosenfield and Gross).

The Korean War was a turning point for the Air Guard. Some 45,000 Air Guardsmen, 80 percent of the force, were mobilized. Once in federal service, they proved to be unprepared for combat. Many key Air Guardsmen were used as fillers elsewhere in the Air Force. It took three to six months for some ANG units to become combat ready. Some never did. Eventually, they made substantial contributions to the war effort and the Air Force's global buildup. Largely as a result of the Korean War experience, senior ANG and Air Force leaders became seriously committed to building the Air Guard as an effective reserve component (Military Network).

Although flying units garnered most of the attention during the Korean War, 11,000 of the 45,000 mobilized Air Guardsmen belonged to the organization's aircraft control and warning as well as its radar calibration units. Their organizations either strengthened American air defenses or were converted to tactical air control units that directed Air Force fighter aircraft in the continental United States, Alaska, Newfoundland, Europe, and French Morocco (Rosenfield and Gross).

During and after the conflict in Korea, Congress played a key role in securing reserve programs. Congress was much more willing than either the Department of Defense or the military services to fund the reserves properly.

Moreover, beginning with the passage of the Armed Forces Reserve Act of 1952, a series of key laws fostered the development of more effective reserve components (Rosenfield and Gross).

Although Korean War hostilities ended in July 1953, the Cold War persisted. Georgia Air Guard Major General George G. Finch, former Air Division chief at the National Guard Bureau, wanted to find an innovative way to provide additional training for fighter pilots after their units were demobilized. At the same time, the Air Defense Command could not call upon sufficient active-duty Air Force units to defend the continental United States against the Soviet air threat. General Finch proposed to employ pilots full time from "strategically placed" Air Guard units to perform "air intercept missions" against unidentified aircraft entering U.S. air space. In addition, they would "provide simulated fighter attacks against the Strategic Air Command's [SAC's] nuclear-capable bombers" (Rosenfield and Gross).

Using Air Guardsmen from the 138th Fighter Interceptor Squadron in Syracuse, New York, and the 194th Fighter Bomber Squadron in Hayward, California, the experiment, which began on March 1, 1953, proved a great success—except that it had to remain a secret at least for the time being. Brigadier General Curtis J. Irwin, the 138th commander, later recalled trying to obtain the services of his pilots from their civilian employers but not being able to tell them why. "But with Cold War tensions remaining high, employers were eager to help" (Rosenfield and Gross).

By October 1954, nine fighter interceptor squadrons respectively began "standing alert" using volunteer aircrews on a rotating basis for 14 hours a day. The ANG runway alert program required some planes and pilots to be available around-the-clock to become airborne within minutes of being notified to scramble. At its peak, in the mid-1950s, all 70 Air Guard fighter squadrons participated in that program. That number was reduced to 25 by 1961. Most of the runway alert exercises involved SAC bombers; the few actual scrambles turned out to be late or off-course commercial airliners. The runway alert experiment in 1953 marked the beginning of the Air Guard's modern homeland defense role. Moreover, it was the first broad effort to integrate reserve units into a major Air Force combat mission in peacetime on a continuing basis using volunteers (Rosenfield and Gross).

Throughout the rest of the 20th century and into the 21st, the Air National Guard remained important to U.S. military operations at home and abroad. Guardsman participated in major historical events, including the Bay of Pigs, Berlin Crisis, Cuban Missile Crisis, the Vietnam War, the Persian Gulf Crisis, Iraq, and Afghanistan. They also provided critical natural disaster assistance and continue to do so to the present day, in addition to their defense missions.

California Air National Guard

The California ANG traces its history back to the 115th Aero Squadron during WWI. It was re-established as the 115th Observation Squadron in 1924. The squadron met at a variety of locations in the Los Angeles area. It was ordered into active duty for WWII in 1941. Following the war, as part of the National Security Act of 1947, the modern California ANG was formed. The 62nd Fighter Wing/115th Bombardment Squadron were the first to receive federal recognition in the state. They were located in Van Nuys. By 1949, California had 41 Air National Guard units. The major units were the 62nd and 61st Fighter Wings. The 62nd's mission was the air defense of Southern California. The 61st was located at Hayward Municipal Airport and its mission was the air defense of Northern California (California Military Museum "Outline History").

California ANG units performed missions typical of units throughout the country and participated in major historical events at the call of the governor or president. Today, there are nine ANG bases in the state: Fresno,

Lompoc, Marysville, Mountain View, Oxnard, Riverside, San Diego, Sacramento, and Van Nuys. They perform "twenty-one unique missions, training and preparing the citizen-airmen to respond to the Governor of California for state emergencies or to the call of the President in times of crisis" (ANG).

History and Missions of the Ontario ANG Hangar

The Ontario ANG hangar was built in 1955 and in use as a California ANG facility until 1995. Based on its intact features, it was designed and constructed according to the U.S. Air Force (USAF) standard plan for hangar type H-2. This standard plan dates to 1951 and is attributed to Mills & Petticord (Weitze 65). Type H-2 hangars were maintenance hangars. They featured a large central hangar with multi-leaved, telescoping doors, surrounded on two or three sides by two-story lean-tos for shop space. This hangar type was built at USAF and ANG installations all over the country in the Cold War era, as evidenced in Appendix D, Representational Hangars, of *Historical and Architectural Overview of Aircraft Hangars of the Reserves and National Guard Installations from World War I through the Cold War* (Aaron) and in numerous other historic context statements on U.S. Cold War military resources. The Ontario example is nearly identical to many of its contemporaries.

Air National Guard groups stationed at Ontario while the hangar was in use as part of the Ontario ANG Station included: the 196th Tactical Air Support Group and the 163rd Tactical Support Group from July 1952 until 1983, and the 148th Combat Communications Squadron (CCS) from 1984 and 1995. During the 196th and 163rd tenures, the station was used as an operations area in support of the California ANG's air training mission. Both jet and propeller aircraft were taxied, parked, and maintained at the station. During the 148th period, the CCS conducted radar operations, maintenance, and training on the property (California Military Department "Ontario Air National Guard Station"). Missions attributed to the groups and squadrons at the station included fighter-interceptor, air defense, tactical air support, tactical reconnaissance, air refueling, and communications.

NRHP Evaluation

Criterion A

To be significant under Criterion A, a property must be associated with events that have made a significant contribution to the broad patterns of our history. The mere fact of association is not sufficient for a property to possess significance. Rather, the association itself must be direct and important. Research into the defense missions and their fulfillment at the Ontario ANG Station did not reveal any direct and significant associations with important events or trends. The missions and activities were typical of ANG installations throughout California and the United States. As opposed to the bases at Van Nuys and Hayward, for example, no significant missions or activities originated at the station, and the groups and squadrons were not directly related to any significant military events. As a result, the hangar does not appear significant under NRHP Criterion A for direct association with important historical trends or events.

Criterion B

To be significant under Criterion B, a property must be associated with the lives of persons significant in our past. The Ontario ANG hangar was associated with numerous members of the California ANG. Research did not reveal a direct association with any specific, important individuals in local, state, or national history. The collective contributions of the many Air National Guard personnel stationed at the hangar over time is best understood and evaluated under NRHP Criterion A. Therefore, the hangar does not appear significant under NRHP Criterion B for direct associations with important individuals.

Criterion C

Properties significant under Criterion C must embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction.

To be eligible under NRHP Criterion C as embodying distinguishing characteristics of a type, period, or method of construction, the hangar would have to be an outstanding example of its type in comparison with its peers. The Ontario ANG hangar is a USAF standard plan H-2 hangar. There are numerous H-2 type hangars across the country. Every intact example is not eligible for listing in the NRHP. In order to be eligible under this criterion, a hangar would have to be an early prototype or display some unique adaptations to suit a particular mission, aircraft type, or local conditions. An example of a hangar that meets Criterion C is Building 3 at the Kulis Air National Guard Base in Alaska. It was the earliest building constructed for the entire Alaska ANG and the hangars in Building 3 were adapted to meet specific mission requirements. Furthermore, the missions themselves were unique and important, and the Kulis base was the only ANG unit nationwide with C-123J aircraft (Aaron D3-D5).

The Ontario ANG hangar, by comparison, followed standard design plans and served standard missions and aircraft. It is nearly identical to other ANG hangars from the mid-1950s, many of which have been determined ineligible for the NRHP, including others in California. Building 100 at the Fresno ANG Station is a good example of a very similar hangar determined ineligible in 2005 (Aaron D-9). In fact, a review of the representational hangars provided in Aaron Appendix D found that no ANG maintenance hangars had been previously determined eligible for the NRHP. Eligible hangars were limited to those with other functions, such as aerial ports and first-generation alert hangars.

As a standard plan building, the Ontario ANG hangar is not the work of a master, nor does it possess high artistic values. As an individual building, it is not a significant and distinguishable entity whose components may lack individual distinction. Furthermore, consideration of the Ontario ANG Station as a potential historic district was completed in both 1998 and 2017, and it was found ineligible in both cases.

Following the guidance in Aaron's ANG-specific historic context statement, the Ontario ANG hangar does not appear significant under NRHP Criterion C.

Criterion D

Criterion D generally applies to archaeological resources that have the potential to yield significant information for the study of history or pre-history. As pointed out in Aaron, it would be unlikely that a military aircraft hangar would meet Criterion D. Drawings for standard plans and specific hangars exist that provide adequate information for understanding the technologies and designs of the buildings. As a standard plan hangar, the Ontario ANG hangar is not significant under NRHP Criterion D.

Integrity

The hangar retains integrity of location, design, materials, workmanship, feeling, and association as it has not been altered, except for some relatively small rear additions. Its setting has been somewhat compromised by changes to the runways to its north.

NRHP Summary

In summary, although the hangar is intact and retains physical integrity, it is not significant under any of the established NRHP Criteria for Significance. It does not appear to be eligible for listing in the NRHP.

CRHR Evaluation

The CRHR criteria for significance are nearly identical to the NRHP criteria. As such, the Ontario ANG hangar does not appear to be eligible for the listing in the CRHR for the same reasons outlined above in the NRHP evaluation.

B12. References (continued).

Aaron, Jayne. *Historical and Architectural Overview of Aircraft Hangars of the Reserves and National Guard Installations from World War I through the Cold War.* Prepared for the Department of Defense Legacy Resource Management Program. 2011.

Air Force Civil Engineer Center. "Former Ontario Air National Guard Base (BRAC 1995). *Air Force Civil Engineer Center*: https://www.afcec.af.mil/Home/BRAC/Ontario.aspx. Accessed April 28, 2022.

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Weitze, Karen J. *Cold War Infrastructure for Air Defense: The Fighter and Command Missions*. Prepared for Headquarters, Air Combat Command, Langley Air Force Base, Virginia. November 1999.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



North elevation, looking south.



Detail of west end of north elevation and west elevation, looking south.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Detail of east end of north elevation and east elevation, looking southwest.



South elevation, looking north.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Addition to south elevation at right, looking northeast.



Interior of main hangar space, looking north at multi-leaved doors.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Interior of main hangar space, looking southeast.

Ontario Air National Guard Station Update Form - 2022

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UPDATE

Purpose

This DPR 523L is being prepared to update the previous evaluation of the Ontario Air National Guard (ANG) Station, listed on the original DPR 523D as "Air National Guard Area, Ontario International Airport."

A portion of the station is located within the Area of Potential Effect (APE) for the Ontario International Airport (ONT Airport) South Cargo Center Project (Project). The Project is an undertaking as defined by Section 106 of the National Historic Preservation Act (NHPA). It is also subject to compliance with the California Environmental Quality Act (CEQA). The Federal Aviation Administration (FAA) is the lead agency for Section 106 compliance; the Ontario International Airport Authority (OIAA) is the lead agency for CEQA compliance.

The majority of the former Ontario ANG Station is outside the APE for the undertaking. It was previously determined ineligible for the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), and as a local historic district in two separate recordings: first, as part of an Environmental Assessment (EA) for the disposal of the station in 1998 (Department of the Air Force); second, as part of the 2017 Historic Context Statement (HCS) and survey (Davis and Novell). Fieldwork and research conducted for the current undertaking confirmed the ineligibility findings in the prior evaluations and did not reveal any reason to re-evaluate them or reconsider potential significance.

It was unclear from the HCS, records search, and California Built Environment Resources Directory (BERD) if the the State Historic Preservation Officer ever concurred with the DPR forms prepared for the past evaluations. Because the station dose not warrant full re-evaluation and to minimize duplication of effort, this new DPR 523L/Update form for the station was prepared to add to the existing documentation and provide information pertinent to the current undertaking. The 2017 DPR 523D form for the ANG station follows this Update. The 2017 DPR 523A forms for the buildings in the district boundary are also attached, with the exception of the maintenance hangar.

The maintenance hangar in the station was excluded from the 1998 district evaluation as it was outside the study area for that undertaking, but it was recommended individually eligible under NRHP Criterion C in the 2017 HCS and survey without adequate justification and analysis. It was the only building in the Ontario ANG Station requiring full re-evaluation as part of the current undertaking as a result. A new full set of DPR 523 forms for this resource are attached in lieu of its 2017 forms.

Determinations regarding which forms to prepare for which resources were based on the California Office of Historic Preservation's *Instructions for Recording Historical Resources* publication, pp. 23-24.

Preparer's Information

Laura O'Neill, Architectural Historian at the Desert Research Institute (DRI) in Las Vegas, Nevada, who meets the Secretary of the Interior's Professional Qualifications Standards (PQS) in Architectural History and Historic Architecture (36 CFR §61) prepared this report. Ms. O'Neill's résumé is available at https://www.dri.edu/directory/laura-oneill. Jeffrey Wedding, Archaeologist at DRI who meets the PQS in Archaeology, assisted with research efforts.

Field Survey

Ms. O'Neill surveyed the APE for the undertaking on March 24, 2022. Photographs and notes were taken during the field survey. The purpose of the field survey was to document the condition and physical integrity of the potential historic properties in the APE, to confirm dates of construction and alterations, and to examine the recommended findings in the 2017 HCS.

Ontario ANG Station Buildings Summary

The following buildings were documented as part of the station in the 2017 HCS and survey. DPR 523A forms attached.

Building ID	2017 Finding/Status Code	Current Recommendation
Bldg 1	6Z	6Z
Bldg 2	6Z	6Z
Bldg 3	6Z	6Z
Bldg 4	6Z	6Z
Bldg 5	6Z	6Z
Bldg 6	6Z	6Z
Bldg 7	6Z	6Z
Bldg 10 (Dining Hall)*	6Z	6Z
Bldg 11 (Training)*	6Z	6Z
Bldg 12	6Z	6Z
Building 109*	6Z	6Z
Crash Truck Station*	6Z	6Z
Maintenance Hangar*	3S	6Z

* Building is located in the APE for the current undertaking and proposed for demolition. DPR 523A forms attached.

Updated Information

Extensive research was completed to re-evaluate the Ontario ANG hangar. The research helped to confirm the 1998 and 2017 ineligibility findings for the potential ANG district. It also generated additional context and theme narratives related to the station. Those narratives are included in this Update form to create a more complete historical record.

History of the Air National Guard

The following narrative was compiled using the Military Network's "Air National Guard History" and Susan Rosenfield and Charles J. Goss's *Air National Guard at 60: A History*, as cited in parentheses. Full citations are located in the References section.

The Air National Guard was established as a separate reserve component of the U.S. Air Force in September 1947, but it traces its roots to the 1st Aero Company, New York National Guard. In July 1916, the 1st Aero Company mobilized during the border crisis with Mexico. It trained at Mineola Field, New York (Military Network).

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The National Guard Association of the United States compelled the AAF to plan for a significant dual-component reserve force including an Air National Guard once the overseas fighting ended. General George C. Marshall, Army Chief of Staff, also pressured the AAF to revise its ambitious plans for a large postwar active-duty force. When President Harry S. Truman instituted dramatic postwar military budget cuts, he split defense dollars evenly among the Army, Navy, and Air Force. That move also required the Air Force to plan for a far smaller active-duty service than it had envisaged. As a result, the Air Force needed the reserve components to help fill the gap (Rosenfield and Gross).

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Moreover, beginning with the passage of the Armed Forces Reserve Act of 1952, a series of key laws fostered the development of more effective reserve components (Rosenfield and Gross).

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History and Missions of the Ontario ANG Station

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Update Summary

Research into the defense missions and their fulfillment at the Ontario ANG Station did not reveal any direct and significant associations with important events or trends. The missions and activities were typical of ANG installations throughout California and the United States. As opposed to the bases at Van Nuys and Hayward, for example, no significant missions or activities originated at the station, and the groups and squadrons were not directly related to any significant military events. Though the station is a distinguishable entity whose components lack individual distinction, it does not possess the necessary significance under any of the other established criteria. In accordance with the 1998 and 2017 evaluations for the potential district, Ontario ANG Station does not appear significant under any of the NRHP or CRHR criteria. It does not appear eligible for listing in the NRHP, CRHR, or as a local historic district.

References

Aaron, Jayne. *Historical and Architectural Overview of Aircraft Hangars of the Reserves and National Guard Installations from World War I through the Cold War.* Prepared for the Department of Defense Legacy Resource Management Program. 2011.

Air Force Civil Engineer Center. "Former Ontario Air National Guard Base (BRAC 1995). *Air Force Civil Engineer Center*: https://www.afcec.af.mil/Home/BRAC/Ontario.aspx. Accessed April 28, 2022.

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California Military Department. "Outline History of the California National Guard (1950)." *California State Military History and Museums Program*: https://www.militarymuseum.org/cng50.html. Accessed March 25, 2022.

California Military Department. "Historic California Posts, Camps, Stations and Airfields: Ontario Air National Guard Station (Ontario Observation Aerodrome, Ontario Army Air Field, Ontario Air National Guard Training Site)." *California State Military History and Museums Program*: http://www.militarymuseum.org/OntarioANGS.html. Accessed March 25, 2022.

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National Park Service. *National Register Bulletin #15: How to Apply the National Register Criteria for Evaluation.* U.S. Department of the Interior, Washington, DC. 1997.

NPS, see National Park Service.

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University of California Santa Barbara. Historic aerial photograph collections: https://www.library.ucsb.edu/geospatial/aerial-photography. Accessed March 2022.

Watson, Dennis. "A Short Pictorial History of Ontario International Airport." Pamphlet. C. 1985. On file in Ontario City Library Robert E. Ellington Model Colony Room.

Weitze, Karen J. *Cold War Infrastructure for Air Defense: The Fighter and Command Missions*. Prepared for Headquarters, Air Combat Command, Langley Air Force Base, Virginia. November 1999.

Ontario Air National Guard Station DPR Forms - 2017

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State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
DISTRICT RECORD

Primary #
HRI #
Trinomial

Page 1 of 4 ***Resource Name or #:** Air National Guard Area
D1. Historic Name: Air National Guard, California Air National Guard, 149th Control and Warning Squadron
D2. Common Name: Air National Guard, California Air National Guard

***D3. Detailed Description:** (Describe overall coherence of the district, its setting, visual characteristics, and minor features. List all elements of district.)

The Air National Guard (ANG) area is a complex of military buildings comprising the former operations of the California Air National Guard, which operated at Ontario International Airport from 1956 to 2010, providing aircraft maintenance facilities, as well as jet engine testing at a nearby site. In addition to a large front-gabled roof hangar with "lean-to" offices and shops around its perimeter, the ANG area retains a complex of buildings that served various functions for the reserve units stationed at Ontario. Buildings remaining include a dining hall, training facilities, maintenance shops, warehouses, a munitions building, and motor pool buildings.

Throughout World War II, Ontario Army Air Field was taken over for military use for the war effort, declaring it surplus in 1945 at the conclusion of the war. In 1949, the military's use of the airport recommenced when a California Air National Guard (CA ANG) training station was established at the airport under a lease from the City of Ontario. An armory for the 149th Control and Warning Squadron was constructed, and in the following years, ANG activities contributed significantly to further construction at the airport.

Bids for construction of an armory for the 149th Aircraft Control and Warning Squadron of the CA ANG were opened in April 1949. The main armory was to be one of three buildings comprising the installation on 9.5 acres adjacent to the airport east of Cucamonga Creek and north of the Union Pacific railroad tracks paralleling Mission Boulevard on the south. A subsequent construction phase was to involve a motor service shop and warehouse buildings ("Open Bids for Armory at Airport." *Daily Report,* April 28, 1949).

***D4. Boundary Description**: (Describe limits of district and attach map showing boundary and district elements.)

The area considered for a potential historic district for the Air National Guard Area is bounded by the main runways at ONT on the north, Tower Drive on the east, East Avion Street on the south, and just west of the Air National Guard Hangar on the west.

***D5. Boundary Justification**:

The area considered for a potential historic district for the Air National Guard Area encompasses the buildings and structures of the former Air National Guard facilities.

D6. Significance: Theme n/a **Area** n/a
Period of Significance n/a **Applicable Criteria** N/A
(Discuss district's importance in terms of its historical context as defined by theme, period of significance, and geographic scope. Also address the integrity of the district as a whole.)

The Air National Guard Area was evaluated as a potential historic district under the context of Aviation in Ontario, and Theme: Military Aviation, 1942–1991, according to the guidelines established in the *Ontario International Airport Historic Context Statement*, prepared by ASM Affiliates, Inc., for the City of Ontario, June 2017. Although the Air National Guard Area, and the buildings and structures comprising it, played a role in military operations from WWII through the Cold War, the function of the CA ANG facility does not appear to have to have been associated with important patterns and trends in military operations. As such, the Air National Guard Area is recommended not eligible as a historic district as it does not meet the registration requirements for the theme of Military Aviation, 1942–1991. Furthermore, no individually eligible properties within this area were identified that meet the requirements for the theme of Military Aviation, 1942–1991. One building, the Air National Guard Hanger, was found to meet the registration requirements under the theme of Aviation and Architecture, 1942–1975, and the sub-theme of Developments in Construction Technology, 1942–1975 (see separate 523BSO form).

D7. References (Give full citations including the names and addresses of any informants, where possible.):

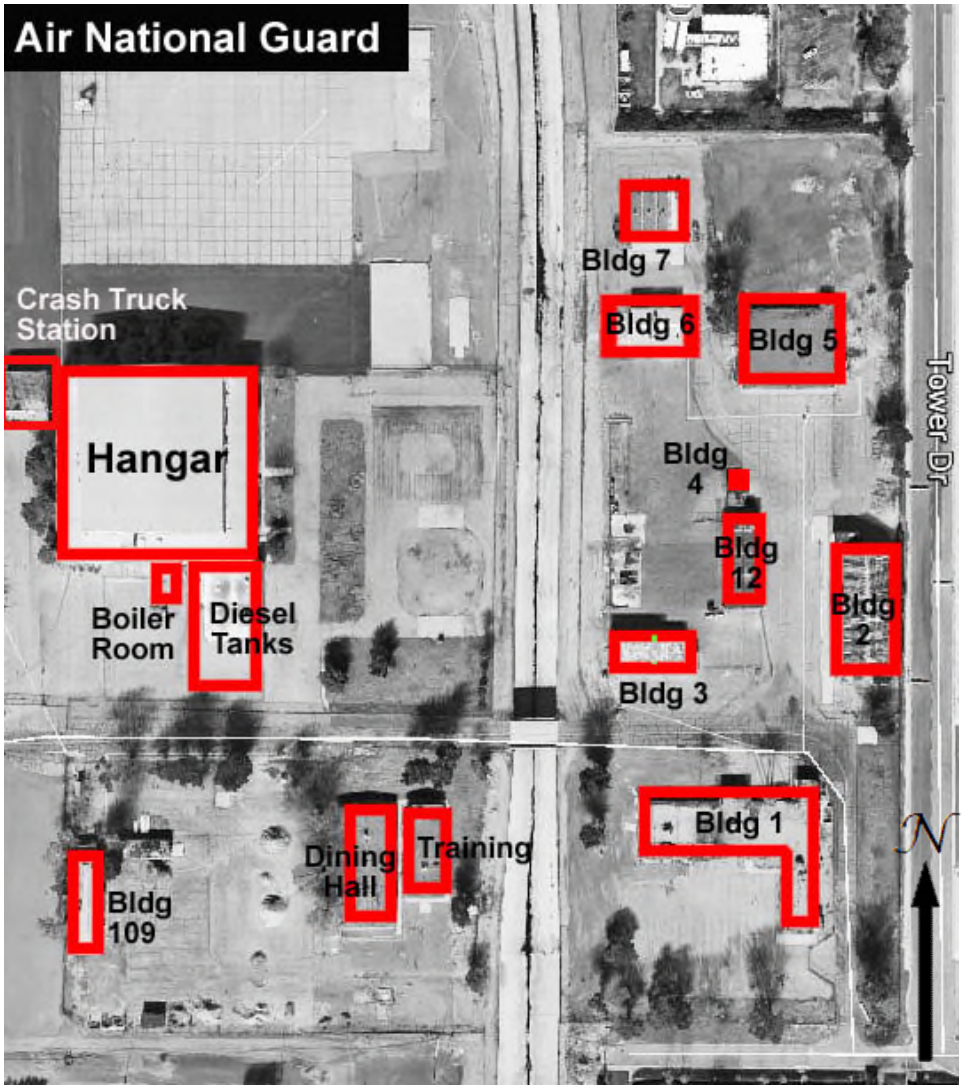
National Park Service. 1997. *How to Apply the National Register Criteria for Evaluation.* National Register Bulletin No. 15. Washington, D.C.
National Park Service. 1997. *How to Complete the National Register Nomination Form*. National Register Bulletin No. 16A. Washington, D.C.

***D8. Evaluator:** Shannon Davis and Marilyn Novell **Date:** June 2017
Affiliation and Address: ASM Affiliates, Inc., 20 N. Raymond Ave., Pasadena, CA

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or # (Assigned by recorder)** Air National Guard Historic Area
***Map Name:** Air National Guard Area ***Scale:** ***Date of Map:** June 2017

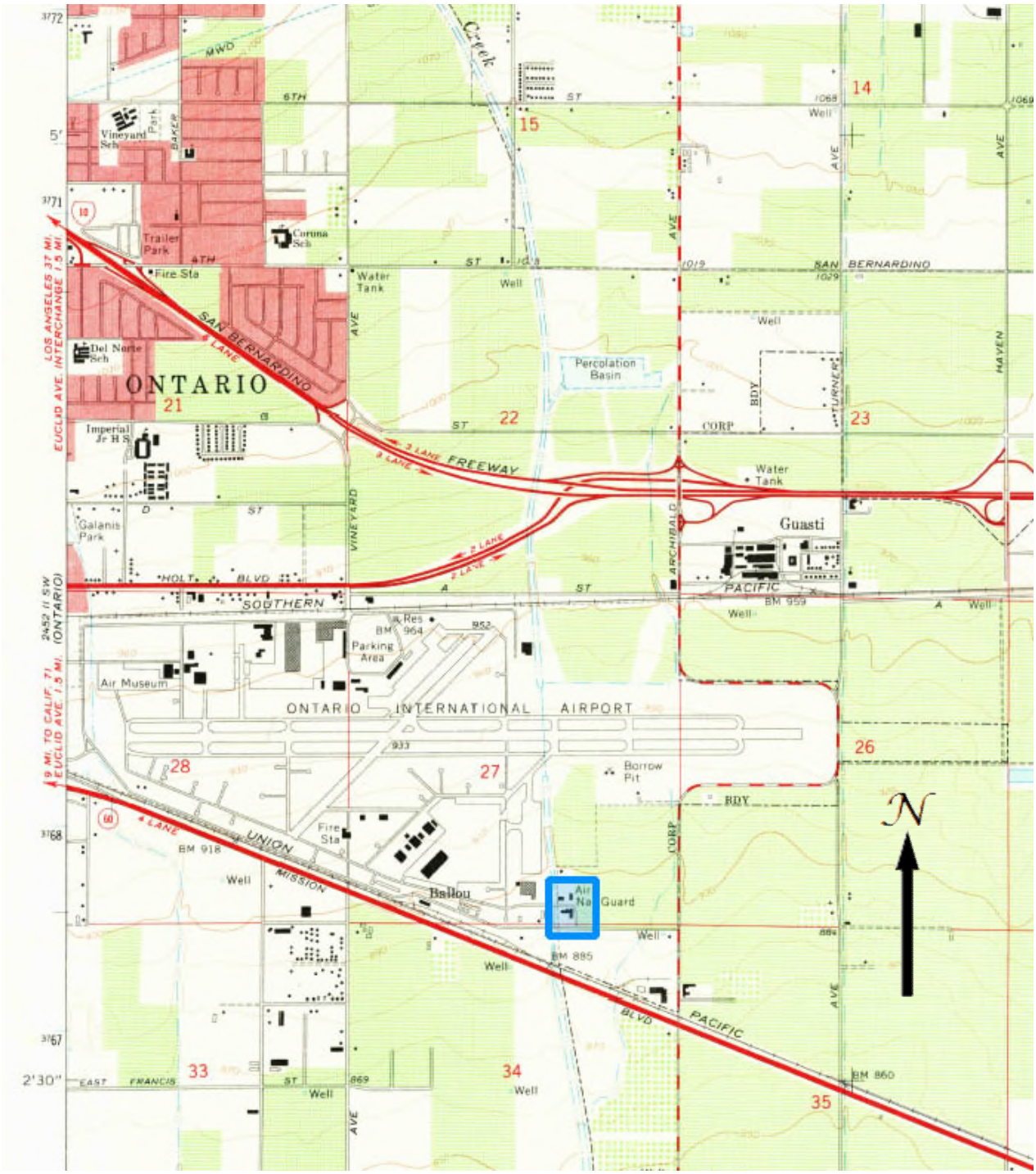


Map showing resources surveyed in the Air National Guard area. Source: ASM Affiliates, Inc.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 of 4 ***Resource Name or # (Assigned by recorder)** Air National Guard Historic Area
***Map Name:** Air National Guard Area ***Scale:** ***Date of Map:** June 2017



Map showing location of the Air National Guard area relative to the airport (USGS Guasti, 1966, 1:24,000 scale).

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPH SHEET

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** Air National Guard Historic Area
Recorded by: Shannon Davis and Marilyn Novell **Date:** June 2017
☐ Continuation ☐Update



Image 1. Aerial view of Air National Guard area, looking northwest. Mid-1950s.
Photographer: LADOA. Source: Ontario City Library Robert E. Ellingwood Model Colony Room. Accession No. 149.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 2 ***Resource Name or #:** Air National Guard Dining Hall (Building 10)
P1. Other Identifier: Commissary, Air National Guard Area, Ontario International Airport
***P2. Location:** ☐ **Not for Publication** ☐ **Unrestricted**
***a. County:** San Bernardino and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Guasti **Date** 2015 **T** 1S **R** 7W **¼ of** ¼ **of Sec** S.B. **B.M.**
c. Address 2475 East Avion Street City Ontario Zip 91761
d. UTM: (give more than one for large and/or linear resources) Zone 11S, 444588.74 mE/ 3767744.71 mN;
e. Other Locational Data: (e.g. parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The Dining Hall is located within a group of ancillary Air National Guard buildings south of the hangar and south of E. Avion St. at Ontario International Airport. The building is horizontally oriented and sits on a poured-concrete foundation. It has a rectangular plan and is capped with a very slightly sloped front-gabled roof that is flush with the exterior walls at the gable ends and has a moderate overhang on the other two sides. Utilities such as HVAC systems are visible on the roof. Exterior walls are clad in vertical wood boards. The primary entrance at the north façade is a set of flat double doors with decorative wood panels and a fixed-glass transom above. The entrance is recessed at the center of the façade. Additional fenestration includes several flat metal doors and regular spaced horizontally oriented windows placed high on the side walls. At the south façade is a low poured-concrete dock. The interior of the building was not accessible at the time of the survey.

***P3b. Resource Attributes:** (List attributes and codes) HP34. Military property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession#)
View looking south at the north façade

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1962
Environmental Assessment. Disposal of Ontario Air National Guard Station, California. San Antonio, TX: Environmental Conservation and Planning Directorate, Brooks Air Force Base. April 1998.

***P7. Owner and Address:**
Ontario International Airport Authority
1923 E. Avion St.
Ontario, CA. 91761

***P8. Recorded by:** (Name, affiliation, and address)
Shannon Davis and Marilyn Novell
ASM Affiliates, Inc.
2034 Corte Del Nogal
Carlsbad, CA 92011

***P9. Date Recorded:** December 6, 2016

***P10. Survey Type:** (Describe) Pedestrian Intensive

***P11. Report Citation:** (cite survey report and sources, or enter "none.") Ontario International Airport Historic Context Statement. Prepared by ASM Affiliates, Inc., for City of Ontario. 2017.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☐ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPH RECORD

Primary # _____
HRI # _____
Trinomial _____

Page 2 of 2 ***Resource Name or # (Assigned by recorder)** Air National Guard Dining Hall (Building 10)
Recorded by: Shannon Davis and Marilyn Novell **Date:** December 2016



Image 1. View looking southeast at the north and west façades.



Image 2. View looking north at the south façade.



Image 3. View looking northwest at the south and east façades of buildings E and F.



Image 4. Detail view of the primary entrance at the north façade.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 2 ***Resource Name or #:** Reserve Forces Training (Building 11)
P1. Other Identifier: Air National Guard Area, Ontario International Airport
***P2. Location:** ☐ **Not for Publication** ☐ **Unrestricted**
***a. County:** San Bernardino and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Guasti **Date** 2015 **T** 1S **R** 7W **¼ of** ¼ **of Sec** S.B. **B.M.**
c. Address 2475 East Avion Street City Ontario Zip 91761
d. UTM: (give more than one for large and/or linear resources) Zone 11S, 444588.30 mE/ 3767744.34 mN;
e. Other Locational Data: (e.g. parcel#, directions to resource, elevation, etc.)
***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Building 11 is located within a group of ancillary Air National Guard Area buildings south of the hangar and south of E. Avion St. at Ontario International Airport. The building is horizontally oriented and sits on a poured-concrete foundation. It has a rectangular plan and is capped with a slightly sloped front-gabled roof with a moderate overhang on all sides; and exposed wood rafters at the sides. Utilities including HVAC systems are visible on the roof. Exterior walls are clad in horizontal wood boards. Fenestration includes rows of regularly spaced horizontal metal sliders placed high on the side walls. There are four additional metal sliders and a flat metal door approached by a short flight of concrete steps at the south façade. The north façade has two metal sliders and a flat metal door approached by a short concrete ramp. There are two additional flat metal doors with short concrete ramps at the west façade. A concrete sidewalk encircles the building. The interior of the building was not accessible at the time of the survey.

***P3b. Resource Attributes:** (List attributes and codes) HP34. Military property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession#)
View looking north at the south façade.

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1966
Environmental Assessment. Disposal of Ontario Air National Guard Station, California. San Antonio, TX: Environmental Conservation and Planning Directorate, Brooks Air Force Base. April 1998.

***P7. Owner and Address:**
Ontario International Airport Authority
1923 E. Avion St.
Ontario, CA. 91761

***P8. Recorded by:** (Name, affiliation, and address)
Shannon Davis and Marilyn Novell
ASM Affiliates, Inc.
2034 Corte Del Nogal
Carlsbad, CA 92011

***P9. Date Recorded:** December 6, 2016

***P10. Survey Type:** (Describe) Pedestrian Intensive

***P11. Report Citation:** (cite survey report and sources, or enter "none.") Ontario International Airport Historic Context Statement. Prepared by ASM Affiliates, Inc., for City of Ontario. 2017.

***Attachments:** ☐ NONE ☐ Location Map ☐ Sketch Map ☐ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPH RECORD

Primary #
HRI #
Trinomial

Page 2 of 2 ***Resource Name or # (Assigned by recorder)** Reserve Forces Training (Building 11)
Recorded by: Shannon Davis and Marilyn Novell **Date:** December 2016



Image 1. View looking northwest at the south and east façades.



Image 2. View looking southwest at the east and north façades.



Image 3. View looking southeast at the north and west façades.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 2 ***Resource Name or #:** Maintenance Shop (Building 109)
P1. Other Identifier: Air National Guard District, Ontario International Airport
***P2. Location:** ☐ **Not for Publication** ☐ **Unrestricted**
***a. County:** San Bernardino and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Guasti **Date** 2015 **T** 1S **R** 7W ¼ **of** ¼ **of Sec** S.B. **B.M.**
c. Address 2475 East Avion Street City Ontario Zip 91761
d. UTM: (give more than one for large and/or linear resources) Zone 11S, 444473.26 mE/ 3767730.94 mN;
e. Other Locational Data: (e.g. parcel#, directions to resource, elevation, etc.)
***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The Maintenance Shop (Building 109) is located in a group of ancillary Air National Guard (ANG) buildings south of the ANG hangar and south of E. Avion St. at Ontario International Airport. It is a horizontally oriented single-story building generally rectangular in plan with a small lower wing at the north façade, a second small shed-roofed addition at the west façade, and a shed-roofed shelter attached to the south façade. It has a very slightly gabled roof that is flush with the exterior walls. The exterior is clad in smooth stucco. Fenestration consists of a personnel door and two windows that have been covered over at the south façade. At the east (primary) façade are two large panels covered with wood shingles, with a door inset into each panel, and a large bay with a metal door. The interior of the building was not accessible at the time of the survey.

***P3b. Resource Attributes:** (List attributes and codes) HP8. Industrial building; HP34. Military property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession#)
View looking northwest at the south and east façades.

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1942
Environmental Assessment. Disposal of Ontario Air National Guard Station, California. San Antonio, TX: Environmental Conservation and Planning Directorate, Brooks Air Force Base. April 1998.

***P7. Owner and Address:**
Ontario International Airport Authority
1923 E. Avion St.
Ontario, CA. 91761

***P8. Recorded by:** (Name, affiliation, and address)
Shannon Davis and Marilyn Novell
ASM Affiliates, Inc.
2034 Corte Del Nogal
Carlsbad, CA 92011

***P9. Date Recorded:** December 6, 2016

***P10. Survey Type:** (Describe) Pedestrian Intensive

***P11. Report Citation:** (cite survey report and sources, or enter "none.") Ontario International Airport Historic Context Statement. Prepared by ASM Affiliates, Inc., for City of Ontario. 2017.

***Attachments:** ☐ NONE ☐ Location Map ☐ Sketch Map ☐ Continuation Sheet ☐ Building, Structure, and Object Record ☐ Archaeological Record ☒ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPH RECORD

Primary #
HRI #
Trinomial

Page 2 of 2 ***Resource Name or # (Assigned by recorder)** Maintenance Shop (Building 109)
Recorded by: Shannon Davis and Marilyn Novell **Date:** December 2016



Image 1. View looking north at the south façade.



Image 2. View looking northwest at the south and east façades.



Image 3. View looking northeast at the west and south façades.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z
Other Listings
Review Code Reviewer Date

Page 1 of 3 ***Resource Name or #:** Air National Guard Crash Truck Station
P1. Other Identifier: Air National Guard Area, Ontario International Airport
***P2. Location:** ☐ **Not for Publication** ☐ **Unrestricted**
***a. County:** San Bernardino and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Guasti **Date** 2015 **T** 1S **R** 7W **¼ of** ¼ **of Sec** S.B. **B.M.**
c. Address 2475 East Avion Street City Ontario Zip 91761
d. UTM: (give more than one for large and/or linear resources) Zone 11S, 444452.20 mE/ 3767899.06 mN;
e. Other Locational Data: (e.g. parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The Crash Truck Station is an industrial building with a rectangular plan set on a poured-concrete foundation located to the west of the Air National Guard hangar at Ontario International Airport. The shed roof slopes with a narrow overhang slightly toward the front of the building, capping a one-and-a-half story space. A single-story flat-roofed addition is located at the south of the building. The exterior walls are clad in smooth stucco. Fenestration consists of three roll-up metal vehicle doors with a horizontal row of windows at the north (primary façade). Multi-light sash windows are distributed on the three remaining façades. Concrete bollards at the corners of the vehicle bays protect the building from entering vehicles. The interior of the building was not accessible at the time of the survey. Original architectural drawings are attributed to the California Department of Public Works (April 7, 1953).

***P3b. Resource Attributes:** (List attributes and codes) HP8. Industrial building; HP34. Military property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession#)
View looking south at the north façade.

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1953
Ontario International Airport Authority records (architectural drawings)

***P7. Owner and Address:**
Ontario International Airport Authority
1923 E. Avion St.
Ontario, CA. 91761

***P8. Recorded by:** (Name, affiliation, and address)
Shannon Davis and Marilyn Novell
ASM Affiliates, Inc.
2034 Corte Del Nogal
Carlsbad, CA 92011

***P9. Date Recorded:** December 6, 2016

***P10. Survey Type:** (Describe) Pedestrian Intensive

***P11. Report Citation:** (cite survey report and sources, or enter "none.") *Ontario International Airport Historic Context Statement.* Prepared by ASM Affiliates, Inc., for City of Ontario. 2017.

***Attachments:** ☐ NONE ☐ Location Map ☐ Sketch Map ☐ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☒ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPH RECORD

Primary # _____
HRI # _____
Trinomial _____

Page 2 of 3 ***Resource Name or # (Assigned by recorder)** Air National Guard Crash Truck Station
Recorded by: Shannon Davis and Marilyn Novell **Date:** December 2016



Image 1. View looking southeast at the north and west façades, with the hangar in the background.



Image 2. View looking east at the west façade.



Image 3. View looking southwest at the east and north façades.



Image 4. View looking northeast at the west and south façades.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPH RECORD

Primary # _____
HRI # _____
Trinomial _____

Page 3 of 3 ***Resource Name or # (Assigned by recorder)** Air National Guard Crash Truck Station
Recorded by: Shannon Davis and Marilyn Novell **Date:** December 2016

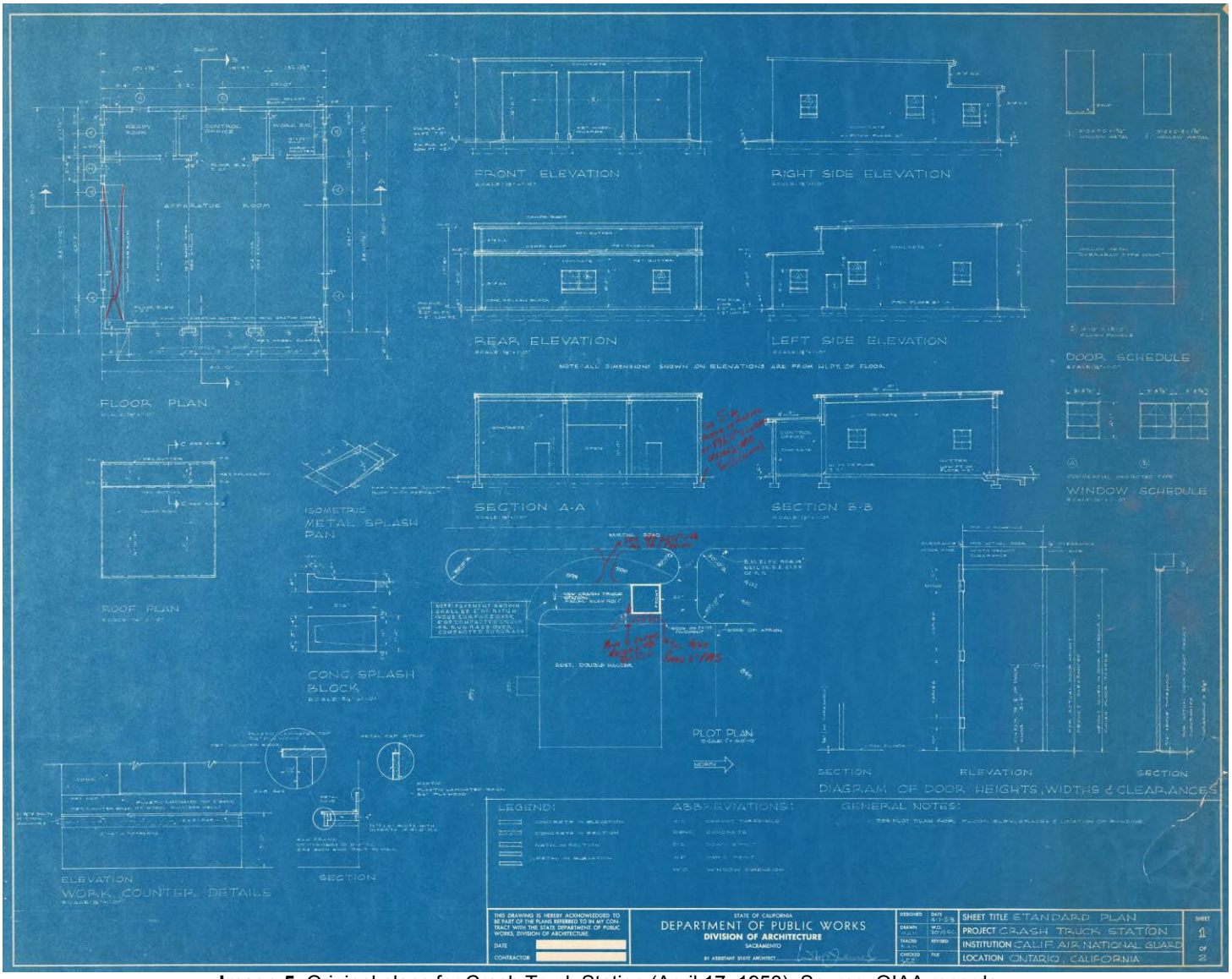


Image 5. Original plans for Crash Truck Station (April 17, 1953). Source: OIAA records.

GE Maintenance Facility DPR Forms - 2022

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State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Review Code | Reviewer | Date | Listings

Page 1 **of** 22 ***Resource Name or #:** (Assigned by recorder) General Electric (GE) Maintenance Facility
P1. Other Identifier: Ontario International Airport Authority (OIAA) Headquarters

*P2. **Location:** . **Not for Publication** ☑ **Unrestricted**
*a. **County** San Bernardino **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
*b. **USGS 7.5' Quad** Guasti **Date** 2015 **T** 1S; **R** 7W; **of Sec** 1/4 ; SB **B.M.**
c. Address 1923 E. Avion Street City Ontario Zip 91761
d. UTM: (Give more than one for large and/or linear resources) Zone 11S, 444001.69 mE/ 3768175.52 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

See District Record attached.

***P3b. Resource Attributes:** (List attributes and codes) HP 6. Commercial; HP 8. Industrial.

***P4.Resources Present:** ☐ Building ☐ Structure ☐ Object ☐ Site ☑ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #) Bldgs 2, 3, 5, 6, and 9, looking northwest, 3/24/2022

***P6. Date Constructed/Age and Source:** ☑ Historic ☐ Prehistoric ☐ Both
1946-1994; numerous sources

***P7. Owner and Address:**
Ontario International Airport Authority
1923 E. Avion Street
Ontario, CA 91761

***P8. Recorded by:** (Name, affiliation, and address) Laura O'Neill
Desert Research Institute (DR)
755 E. Flamingo Road, Las Vegas, NV

***P9. Date Recorded:** 3/24/2022

***P10. Survey Type:** (Describe)
Section 106/CEQA

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Historic Property Evaluation Report for the Ontario International Airport South Cargo Center Project, Ontario, San Bernardino County. Prepared by Laura O'Neill, DRI, for Meridian Consultants. May 2022.

***Attachments:** ☐NONE ☐Location Map ☑Continuation Sheet ☐Building, Structure, and Object Record
☐Archaeological Record ☑District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

***Resource Name or # (Assigned by recorder)**

D1. Historic Name: General Electric (GE) Maintenance Facility

D2. Common Name: Ontario International Airport Authority (OIAA) Headquarters

***D3. Detailed Description** (Discuss overall coherence of the district, its setting, visual characteristics, and minor features. List all elements of district.):

The former GE maintenance facility consists of three former maintenance hangars (Buildings 1-3), a storage hanger (Building 4), an administration building connected to one of the maintenance hangars (Building 6), and support buildings (Buildings 5 and 7-9). The site plan is generally oriented along a northeast-southwest axis and has an irregular shape bounded by perimeter fencing. The facility is located south of the Ontario International Airport's runways and north of E. Avion Street. The area is completely paved with large parking lots in the southwest portion. Buildings are densely developed, with the exception of Building 4, with little space between them. See Figure 1.



Figure 1: GE maintenance facility map.

The facility developed over a period of time starting in 1946 and extending through around 1994, according to historical records and aerial photographs (UCSB and NETROnline). The first buildings were Buildings 1 and 2, two Army surplus World War II hangars. The City of Ontario acquired them in 1946; they are not original to the Ontario airport ("Ontario Acquires Plane Hangars"). By 1952, a third, very similar hangar, Building 3 was added. The three hangars are metal-framed with metal siding and have arched roofs. They originally all had multi-leaved, multi-light doors with pocket extensions on their runway-facing elevations, but only one such door remains on the northwest elevation of Building 3.

By 1959, Building 4, a double-gabled metal hangar, and Building 5, a small gabled building, were added to the facility, along with a few smaller buildings. By 1966, multiple large additions were added to Buildings 1 and 2. By 1980, several new buildings existed, including Building 6 parallel to Buildings 1 and 2, Building 7, and more additions to Buildings 1 and 2. Building 6 was extended by 1985 to physically adjoin Building 2 and to create administrative office space. By 1994, Buildings 8 and 9 had been completed. The resulting composition of the facility is an assortment of buildings and myriad additions from five decades of development.

In the late 1940s, it appears that the original three hangars functioned as municipal airport facilities (UCSB). They were later used by Northrop and Douglas Aircraft. The City leased the buildings to GE in either 1954 (Neward 38) or 1956 (Davis and Novell 27), depending on the source, and GE remained at the site until 2010 ("GE Aviation closing California facility"). GE used the buildings for aircraft engine maintenance activities. They are currently occupied by the OIAA as offices, maintenance, and storage facilities.

There is little cohesion in the facility at present. Though it started out primarily as three, nearly identical arched-roof hangars organized on a northeast-southwest axis, numerous additions and alterations have substantially diminished visual connection and continuity. Perimeter fencing composed of concrete block and chain link is a unifying element, though Building 4 is cutoff from the other buildings by an interim fence. Materials vary based on period of original construction and alterations. They include smooth stucco, corrugated metal, standing seam metal, and concrete block. Building forms include rectangular plans with arched, gabled, shed, and flat roofs. There is no landscaping within the district boundary; however, there is a row of trees along E. Avion Street, outside the facility's perimeter fence. The overall character of the facility is industrial. See Continuation sheets for photographs.

The following table lists the extant buildings in the evaluated district:

Building No.	Est. Year Built	Description	Recommended Status Code
Building 1	1946 – erected at current location. Original location unknown.	Army surplus hangar, numerous additions, non-original cladding, original multi-leaved doors removed.	6Z
Building 2	1946 – erected at current location. Original location unknown.	Army surplus hangar, numerous additions, physically connected to Building 5 c. 1985, some original cladding and windows remain, original multi-leaved doors removed.	6Z
Building 3	1952 – erected at current location. Original location unknown.	Army surplus hangar, intact on three of four sides, only hangar with original multi-leaved doors remaining, original siding and windows replaced on fourth elevation.	6Z
Building 4	1959	Metal, double-gabbed storage hangar, third smaller gabled section added later, multi-leaved door remains on middle gabled bay.	6Z
Building 5	1959; major additions by 1980.	Originally front-gabled with smooth stucco walls, but later enveloped by concrete block and metal-clad additions.	6Z

D1. Historic Name: General Electric (GE) Maintenance Facility
D2. Common Name: Ontario International Airport Authority (OIAA) Headquarters

Building No.	Est. Year Built	Description	Recommended Status Code
Building 6	1980; major additions in 1985.	Originally a long warehouse, office additions to the southwest and southeast created administration wing and connected it to Building 2.	6Z
Building 7	1980	Warehouse, rectangular plan, flat roof	6Z
Building 8	1994	Warehouse, rectangular plan, flat roof	6Z
Building 9	1994	Compound of small buildings and open sheds, part of it may date to 1980 with other pieces added by 1994	6Z

Buildings 1-5 were documented on DPR 523 A forms, attached to this DPR 523 D form, because they are all over 45 years of age.

***D4. Boundary Description** (Describe limits of district and attach map showing boundary and district elements.):
The boundary follows fence lines around the facility. See Figure 1.

***D5. Boundary Justification:**
The boundary utilizes the current fence lines which correspond to historic patterns of use on the site. The buildings and structures within the boundary share an association with GE from c. 1955 to 2010.

D6. Significance: Theme Commercial Aviation **Area** U.S., Ontario **Period of Significance** 1955-1977
Applicable Criteria N/A (Discuss district's importance in terms of its historical context as defined by theme, period of significance, and geographic scope. Also address the integrity of the district as a whole.)

The GE maintenance facility was evaluated within the theme of commercial aviation for the period of 1955, the approximate year when the company reportedly began leasing the complex, to 1977, 45 years ago from the present year. GE occupied the facility until 2010. Fifty years old is the threshold for historic properties under National Register of Historic Places (NRHP) requirements (without invoking Criteria Consideration G for exceptional significance). Forty-five years is utilized herein to account for the amount of time it can take for complex projects to complete the Section 106 and California Environmental Quality Act (CEQA) processes.

Commercial Aviation in Ontario in the Postwar Era

Commercial aviation developed as an industry in the early 20th century and followed trends in aircraft technology and civil and military aviation. The industry includes not just commercial airlines, but also the private companies that developed, manufactured, serviced, and maintained airplanes, aircraft components, and other components of aviation technology. As demand for air travel increased in both the public and private sectors, the aviation industry grew and adapted. After WWII, in particular, there was a dramatic increase in passenger demand. Companies like Lockheed, Douglas, and Boeing led the way in meeting demand by developing larger, faster planes for transcontinental and transoceanic flight (NPS 196-197).

Numerous aviation-related companies had facilities at the Ontario International Airport in the postwar era. Lockheed, Northrop, Douglas (Watson 4), GE, Otto Instrument Service, and Aerojet-General Corporation (Davis and Novell) are some examples. Among the group, Lockheed had the biggest impact on the airport and its development. The Lockheed Airport Services (LAS) division occupied a 70-acre area and built more than 25 structures over a 46-year

period (Davis and Novell 23).

The LAS facility was established in 1952 and lasted until 1998. It developed to serve as a major LAS division's domestic and international headquarters (Davis and Novell 23 and 26). By 1966, the facility reportedly consisted of 160,000 square feet of hangar space, 24,000 square feet of machine shop, and 12,000 square feet of storage space, and the division employed 2,700 people (Neward 37). LAS encompassed a large area and created a purpose-built campus. Its activities extended beyond routine maintenance to production of specialized devices and systems and modification of specialized aircraft (Davis and Novell 26). The facility reportedly hosted "scores of employees" (Watson 5). Newspapers from the mid-1950s display numerous LAS job advertisements, confirming its status as a major employer in the Ontario area (*San Bernardino Daily Sun*).

Northrop established a facility at the airport in 1950. Its main operations involved delivering F-89 Scorpion fighter planes (Neward 35). The company occupied the area that would eventually become the GE maintenance facility in approximately 1955. Douglas may also have utilized buildings in the area prior to GE's arrival (Davis and Novell 27). It is unclear if Northrop moved to another part of the Ontario airport or if its operations moved to an entirely new location when GE entered into its lease.

Workers at the GE maintenance facility performed tests on engines after they were overhauled and repaired before being sent back to customers. They also completed minor repairs. At its peak, the facility employed 700 people ("GE Aviation closing"). One source notes that by 1966, the facility occupied 53 acres (Neward 38). However, other sources list the facility as only 22 acres (Davis and Novell 27, citing Dames & Moore 1992). Twenty-two acres matches the current size of the facility. The 22 acres included "administrative offices, an executive office building, a cafeteria building, a shipping building, a machine shop, engine overhaul hangar, a parts repair and assembly hangar, final assembly hangar, warehouses, and other offices and ancillary buildings" by 1992 (Davis and Novell 27). The three hangars in the list are presumably Buildings 1, 2, and 3. GE Aviation also had a an engine test cell area at the Ontario airport, separate from the main 22 acres. It was located southeast of the main facility at Mission Boulevard and Cucamonga Creek. GE closed is Ontario facility in 2010, citing decreasing cargo traffic at the airport ("GE Aviation closing").

Otto Instrument Service (OIS) and Aerojet-General Corporation set up operations at the Ontario airport in 1950 and 1958, respectively. Both companies constructed purpose-built facilities at the airport. OIS maintains aircraft instruments for private aircraft, commercial aircraft, and the U.S. government. It has continued to grow into the 21st century and maintains headquarters in Ontario to the present day (OIS). Aerojet-General used its Ontario facility to service its corporate aircraft (Davis and Novell 31), not for its well-known rocket and missile operations. The company was headquartered in Rancho Cordova, California. It merged with Rocketdyne in 2013.

GE Aviation

GE Aviation traces its roots to WWI (GE Aviation). General Electric was already well-established as a manufacturer of compressors and steam turbines in 1917, when the federal government reached out to the company about the possibility of developing an airplane engine booster for its warplanes. GE accepted the assignment and worked in secrecy, ultimately developing the turbo supercharged Liberty V-12 aircraft engine. This first military contract put GE Aviation on a path to become one of the world's leading aerospace suppliers (Weber).

GE manufactured superchargers at its River Works factory in Lynn, Massachusetts for more than 20 years. During

WWII, the company supplied 300,000 turbo superchargers for use in fighter and bomber planes. Also during WWII at the Lynn facility, GE Aviation began work on America's first jet engine. Another top-secret military project, it proved successful in less than one year and was used in the launch of the XP-59, America's first jet, in 1942 (Weber; GE Aviation).

Jet engine research became a major part of GE Aviation's operations during and after WWII. By 1945, the Lynn supercharger manufacturing unit was disbanded and replaced with a gas turbine division. Large portions of the Lynn facility were converted for jet engine production and the nearby Everett facility began to focus on jet engine components. In 1948, the first jet engine rolled off the Lynn assembly line (Weber).

The customer base for GE Aviation's jet engines was largely the military. The dawn of the Cold War and the onset of the Korean War escalated demand (GE Aviation). To keep pace, GE opened a second manufacturing plant. Now known as the Evendale facility, the Lockland Plant near Cincinnati, Ohio opened in 1949. It is currently GE Aviation's world headquarters.

GE Aviation continued to develop new engine technology and improve upon past accomplishments. The company relied heavily on military contracts in the 1950s and early 1960s, but toward the end of the 1960s and early 1970s, began to move aggressively into the commercial space. Its commercial engines would become the popular choice for common passenger aircraft, such as the Airbus 300 and Boeing 747. GE Aviation also expanded internationally in the early 1970s, collaborating with a French manufacturer in the hugely successful joint venture, CFM International. GE Aviation continues to innovate in the realm of aerospace technology to the present day (Weber).

NRHP Evaluation

Criterion A

To be significant under Criterion A, a property must be associated with events that have made a significant contribution to the broad patterns of our history. The mere fact of association is not sufficient for a property to possess significance. Rather, the association itself must be direct and important. The former GE maintenance facility at the Ontario International Airport is associated with GE Aviation and commercial aviation in Ontario.

GE Aviation is a well-known, widely recognized pioneer in aviation history, responsible for numerous significant achievements, including: the first airplane engine "booster" known as the turbosupercharger; America's first jet engine; the first turbojet engines to power flights at two and three times the speed of sound; and the world's first high bypass turbofan engine to enter service (GE Aviation; Weber). The company is undoubtedly important within the context of commercial aviation nationwide. Its greatest accomplishments were in the fields of research and manufacturing. Facilities associated with these important achievements include its large research and manufacturing facilities, like the plants in Lynn, Massachusetts and Evendale, Ohio. These facilities hosted technological breakthroughs and massive manufacturing efforts.

The Ontario facility, by comparison, was a maintenance facility. It was not directly or importantly associated with any of GE Aviation's significant achievements. Instead, it provided routine maintenance service for the continued, safe operations of GE engines. As a utilitarian maintenance facility, the former GE complex at the Ontario airport does not appear to have been directly and importantly associated with the significant events in aviation history pioneered by GE Aviation.

The former GE maintenance facility was part of Ontario's commercial aviation industry. However, unlike LAS and OIS, which were headquartered in Ontario, the GE facility was a satellite operation. Of all of the commercial enterprises at the airport in the postwar period, LAS appears to have had the biggest impact on the airport and the surrounding area due to its size and the complexity of its operations. Research did not reveal any evidence that the GE facility had a major impact on the airport development or the surrounding communities. It initially developed by leasing and occupying existing buildings and adding additions and new buildings on what appears to have been an as-needed basis. The facility does not appear to have generated independent growth. As a result, the former GE maintenance facility appears to be an example of a commercial aviation property in Ontario, but not a significant one. The facility does not appear to be significant under Criterion A.

Criterion B

To be significant under Criterion B, a property must be associated with the lives of persons significant in our past. The former GE maintenance facility was associated with numerous GE employees. Research did not reveal a direct association with any specific, important individuals in local, state, or national history. The collective contributions of the many employees working in the facility over time is best understood and evaluated under NRHP Criterion A. Therefore, the facility does not appear significant under NRHP Criterion B for direct associations with important individuals.

Criterion C

Properties significant under Criterion C must embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction.

The former GE maintenance facility lacks a cohesive, discernable site plan and design program. It is a hodgepodge grouping of buildings added and modified over a long period of time. Most of what might have been considered its distinctive characteristics, such as the original multi-leaved doors, original metal siding, and original metal windows, have been removed. It does not embody the distinctive characteristics of a type, period, or method of construction as a result.

Three of the buildings are Army surplus hangars. The rest are basic, altered buildings. Architects, if any, are unknown, and there is no discernable site plan. Thus, the facility does not represent the work of a master. It also does not possess high artistic values, as it is completely devoid of ornamentation.

Lastly, the facility does not represent a significant and distinguishable entity whose components lack individual distinction. While it can be identified as an entity through its perimeter fencing and history of use, it lacks historical and architectural significance, as described in detail above. In short, the former GE maintenance facility does not appear to be significant under Criterion C.

Criterion D

Criterion D generally applies to archaeological resources that have the potential to yield significant information for the study of history or pre-history. As a collection of altered, standardized hangars, prefabricated buildings, and construction as recent as 1994, the GE maintenance facility has no such information potential and is not significant under Criterion D.

Integrity

The former GE maintenance facility lacks integrity. Four of the nine buildings date from 1980 or later; the other five have all been substantially altered. Many of the additions to the five earlier buildings also date from 1980 or later. The facility's most interesting buildings are its World War II-era Army surplus hangars, but they have all been altered to the point of no longer retaining integrity. Additions, multi-leaf door removals, siding changes, window removals, and door replacements are all evident. Some of the alterations occurred during the period of significance considered herein, but many major ones, such as connecting Building 2 to Building 6, occurred after. In fact, even if the facility possessed significance under one of the other NRHP Significance Criteria, it would likely not retain sufficient integrity to convey such significance and would not be eligible for listing in the NRHP. Overall, the facility lacks setting, design, materials, workmanship, feeling, and association.

NRHP Evaluation Summary

In summary, the former GE maintenance facility is not significant under any of the established NRHP Criteria for Significance. Even if it were significant, the buildings and structures would not retain sufficient integrity to qualify for the NRHP. It does not appear to be eligible for listing in the NRHP.

CRHR Evaluation

The CRHR criteria for significance are nearly identical to the NRHP criteria. As such, the former GE maintenance facility does not appear to be eligible for the listing in the CRHR for the same reasons outlined above in the NRHP evaluation.

Ontario Historic District Evaluation

A neighborhood or area may be designated a Historic District in the City of Ontario if (Municipal Code Section 9-1.2615.B):

1. It meets the criteria for listing in the National Register of Historic Places; or
2. It meets the criteria for listing in the California Register of Historic Resources; or
3. It meets one or more of the following criteria:
    a. Is a geographically definable area possessing a concentration of Historical Resources or thematically related grouping of structures which contribute to each other and are unified by plan, style, or physical development; and embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master or possesses high artistic values; or
    b. Reflects significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of a park landscape, site design, or community planning.
    c. Is associated with, or the contributing resources are unified by, events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States;
    d. Is or the contributing resources are, associated with the lives of persons important to Ontario, California, or national history.

In addition to meeting one or more of the criteria above, Ontario Historic Districts must also possess integrity (Section

9-1.2615.E). Ontario recognizes the same seven aspects of integrity as the NRHP.

Most of the Ontario Historic District Criteria are nearly identical to the NRHP and CRHR criteria. Criteria 1 and 2 relate to meeting the NRHP or CRHR criteria, respectively. Per the NRHP and CRHR evaluation summaries above, the former GE maintenance facility is not eligible for either, so it does not meet local Criteria 1 and 2. Criterion 3 has four subparts (a through d). Criteria 3(a), 3(c), and 3(d) restate the NRHP and CRHR criteria. Thus, the Ontario ANG hangar is not eligible under local Criteria 3(a), 3(c), and 3(d).

Criteria 3(b) applies to properties that reflect significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of a park landscape, site design, or community planning. The GE maintenance facility does not meet this Criterion. It developed over several decades in an as-needed manner. Buildings and additions were built essentially wherever there was space. It does not reflect any clear development pattern as a result, nor does it reflect a distinctive example of park landscape, site design, or community planning.

In summary, the GE maintenance facility is not significant under any of the established Ontario Historic District Criteria. Even if it were significant, the buildings and structures would not retain sufficient integrity to qualify for the NRHP. It does not appear to be eligible for listing as an Ontario Historic District.

***D7. References** (Give full citations including the names and addresses of any informants, where possible.):

Aaron, Jayne. *Historical and Architectural Overview of Aircraft Hangars of the Reserves and National Guard Installations from World War I through the Cold War.* Prepared for the Department of Defense Legacy Resource Management Program. 2011.

Davis, Shannon and Marilyn Novell. *Ontario International Airport Historic Context Statement*. Prepared by ASM Affiliates, Inc. for the City of Ontario. September 2017. On file at the City of Ontario Planning Department.

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Neward, Lance M. "A History of Ontario International Airport." Unpublished manuscript. 1970. On file in Ontario City Library Robert E. Ellington Model Colony Room.

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Watson, Dennis. "A Short Pictorial History of Ontario International Airport." Pamphlet. C. 1985. On file in Ontario City Library Robert E. Ellington Model Colony Room.

Weber, Austin. "General Electric Pioneers Jet Engine Manufacturing." *Assembly Magazine*: https://www.assemblymag.com/articles/93760-general-electric-pioneers-jet-engine-manufacturing. March 28, 2017. Accessed May 3, 2022.

***D8. Evaluator:** Laura O'Neill **Date:** May 2, 2022

Affiliation and Address:
Desert Research Institute (DRI), 755 E. Flamingo Road, Las Vegas, NV 89119

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Building 1, northwest elevation.



Building 1, northwest elevation, remnants of multi-leaved door tracks.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Building 1, southwest elevation.



Building 1, northeast elevation

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Building 1, southeast elevation. Building 3 visible in the distance.



Building 2, northeast elevation.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Building 2's connection to Building 6.



Building 2, southeast elevation, north end.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Building 2, southeast elevation, south end.



Building 3, southeast elevation.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Building 3, northeast elevation. Buidling 6 at left.



Building 3, northwest elevation. Note intact original siding, doors, and windows.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Building 3, southwest elevation.



Building 4, northeast and northwest elevations, viewed from Buidling 1.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Building 4, southwest elevation, north bay.



Buidling 4, southwest elevation, center bay.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Building 4, southwest elevation, south bay.



Building 4, southeast elevation.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Building 5, southeast elevation.



Building 5, southwest elevation.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Building 6, southeast elevation, between Buildings 3 and 5.



Building 9, looking north.

Photographer: Laura O'Neill, DRI Date: March 24, 2022



Buildings 1, 2, and 3, viewed from Building 4's fenced area, looking west.



Buildings 2, 3, 5, 6, and 9, viewed from Buidlnig 4's fenced area, looking northwest.

State of California – The Resources Agency Primary #
DEPARTMENT OF PARKS AND RECREATION HRI #
PRIMARY RECORD
Trinomial
NRHP Status Code 6Z
Other Listings
Review Code Reviewer Date

Page 1 **of** 1 ***Resource Name or #:** (Assigned by recorder) GE Building 1
P1. Other Identifier:

*__P2. Location:__ . **Not for Publication** ☑ **Unrestricted**
***a. County** San Bernardino **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Guasti **Date** 2015 **T** 1S; **R** 7W; **of Sec** 1/4 ; SB **B.M.**
c. Address 1923 E. Avion Street City Ontario Zip 91761
d. UTM: (Give more than one for large and/or linear resources) Zone 11S, 444010.78 mE/ 3768160.61 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Building 1 is a standard plan Army surplus hangar from the WWII era. It was relocated to its current location in 1946. The steel-framed hangar has an arched roof and a mix of original and non-original metal siding. All of its original doors, including its multi-leaved sliding doors and door pockets, are gone. Non-original metal roll-up doors are located on its northwest-facing elevation. Some original metal windows are barely visible on its southeast-facing elevation, around numerous additions. Large, metal-clad additions are located on the southeast and northeast sides, nearly covering them completely. The largest addition is on the southeast elevation and dates to c. 1966. The other additions date from 1980 and later. For additional photos, see Continuation sheets attached to the District Record.

***P3b. Resource Attributes:** (List attributes and codes) HP 8. Industrial; HP 34. Military.

***P4.Resources Present:** ☑ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #) Northwest elevation, looking south, 3/24/2022

***P6. Date Constructed/Age and Source:** ☑ Historic ☐ Prehistoric ☐ Both
1946: "Ontario Acquires Plane Hangars." *The San Bernardino Daily Sun*. May 18, 1946. Volume 52: Page 3.

***P7. Owner and Address:**
Ontario International Airport Authority
1923 E. Avion Street
Ontario, CA 91761

***P8. Recorded by:** (Name, affiliation, and address) Laura O'Neill
Desert Research Institute (DR)
755 E. Flamingo Road, Las Vegas, NV

***P9. Date Recorded:** 3/24/2022

***P10. Survey Type:** (Describe)
Section 106/CEQA

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Historic Property Evaluation Report for the Ontario International Airport South Cargo Center Project, Ontario, San Bernardino County. Prepared by Laura O'Neill, DRI, for Meridian Consultants. May 2022.

***Attachments:** ☐NONE ☐Location Map ☐Continuation Sheet ☐Building, Structure, and Object Record
☐Archaeological Record ☑District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 **of** 1 ***Resource Name or #:** (Assigned by recorder) GE Building 2
P1. Other Identifier:

*P2. **Location:** . **Not for Publication** ☑ **Unrestricted**
***a. County** San Bernardino **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Guasti **Date** 2015 **T** 1S; **R** 7W; **of Sec** 1/4 ; SB **B.M.**
c. Address 1923 E. Avion Street City Ontario Zip 91761
d. UTM: (Give more than one for large and/or linear resources) Zone 11S, 443932.08 mE/ 3768090.34 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Building 2 is a standard plan Army surplus hangar from the WWII era. It was relocated to its current location in 1946. The steel-framed hangar has an arched roof and a mix of original and non-original metal siding. All of its original doors, including its multi-leaved sliding doors and door pockets, are gone. Its northwest-facing elevation is also gone as the building was connected to another building c. 1985, creating one large interior. Some original metal windows are visible on its southeast-facing elevation, around a large, metal-clad addition added c. 1966. A large stucco-clad addition with a gabled roof is located along the northeast elevation. It also dates to c. 1966 and may have been a standalone building at one point but is currently connected to Building 2. For additional photos, see Continuation sheets attached to the District Record.

***P3b. Resource Attributes:** (List attributes and codes) HP 8. Industrial; HP 34. Military.

***P4.Resources Present:** ☑ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #) Southeast elevation, south end, looking northwest, 3/24/2022

***P6. Date Constructed/Age and Source:** ☑ Historic ☐ Prehistoric ☐ Both
1946: "Ontario Acquires Plane Hangars." *The San Bernardino Daily Sun*. May 18, 1946. Volume 52: Page 3.

***P7. Owner and Address:**
Ontario International Airport Authority
1923 E. Avion Street
Ontario, CA 91761

***P8. Recorded by:** (Name, affiliation, and address) Laura O'Neill
Desert Research Institute (DR)
755 E. Flamingo Road, Las Vegas, NV

***P9. Date Recorded:** 3/24/2022

***P10. Survey Type:** (Describe)
Section 106/CEQA

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Historic Property Evaluation Report for the Ontario International Airport South Cargo Center Project, Ontario, San Bernardino County. Prepared by Laura O'Neill, DRI, for Meridian Consultants. May 2022.

***Attachments:** ☐NONE ☐Location Map ☐Continuation Sheet ☐Building, Structure, and Object Record
☐Archaeological Record ☑District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 **of** 1 ***Resource Name or #:** (Assigned by recorder) GE Building 3
P1. Other Identifier:

*P2. **Location:** . **Not for Publication** ☑ **Unrestricted**
***a. County** San Bernardino **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Guasti **Date** 2015 **T** 1S; **R** 7W; **of Sec** 1/4 ; SB **B.M.**
c. Address 1923 E. Avion Street City Ontario Zip 91761
d. UTM: (Give more than one for large and/or linear resources) Zone 11S, 443852.55 mE/ 3768014.89 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Building 3 is a standard plan Army surplus hangar from the WWII era. It was relocated to its current location by 1952. The steel-framed hangar has an arched roof and a mix of original and non-original metal siding. Its southeast elevation has been completely altered with new cladding and metal roll-up doors. Its northwest elevation remains intact and reflects not only its original design but likely the original design of Buildings 1 and 2, as well. It exhibits original metal siding, a multi-leaved door with ten leaves, door pockets, and metal multi-light windows. Building 6, to Building 3's northwest, nearly touches Building 3's intact northwest elevation due to the c. 1985 addition of office space. For additional photos, see Continuation sheets attached to the District Record.

***P3b. Resource Attributes:** (List attributes and codes) HP 8. Industrial; HP 34. Military.

***P4. Resources Present:** ☑ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #) Northwest elevation, looking northeast, 3/24/2022

***P6. Date Constructed/Age and Source:** ☑ Historic ☐ Prehistoric ☐ Both
1946: "Ontario Acquires Plane Hangars." *The San Bernardino Daily Sun*. May 18, 1946. Volume 52: Page 3.

***P7. Owner and Address:**
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Ontario, CA 91761

***P8. Recorded by:** (Name, affiliation, and address) Laura O'Neill
Desert Research Institute (DR)
755 E. Flamingo Road, Las Vegas, NV

***P9. Date Recorded:** 3/24/2022

***P10. Survey Type:** (Describe)
Section 106/CEQA

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Historic Property Evaluation Report for the Ontario International Airport South Cargo Center Project, Ontario, San Bernardino County. Prepared by Laura O'Neill, DRI, for Meridian Consultants. May 2022.

***Attachments:** ☐NONE ☐Location Map ☐Continuation Sheet ☐Building, Structure, and Object Record
☐Archaeological Record ☑District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 **of** 1 ***Resource Name or #:** (Assigned by recorder) GE Building 4
P1. Other Identifier:

*__P2. Location:__ . **Not for Publication** ☑ **Unrestricted**
***a. County** San Bernardino **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Guasti **Date** 2015 **T** 1S; **R** 7W; **of Sec** 1/4 ; SB **B.M.**
c. Address 2043 E. Avion Street City Ontario Zip 91761
d. UTM: (Give more than one for large and/or linear resources) Zone 11S, 444015.78 mE/ 3767995.34 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Building 4 is a large storage hangar. The steel-framed hangar originally had a double-gabled roof and two main storage bays. A third gabled bay was added c. 1969 to the northwest. The building has corrugated metal siding. Original multi-leaf doors are present in all three bays on the southwest elevation and in the center bay on the northeast elevation. The center bay has the widest door opening of the three bays and the longest track accordingly. Metal pilot doors with glazed top panels are located at both ends of its multi-leaf doors. The building has no windows. Large exhaust fans line the roof gables. The building is surrounded by a chain-link and barb wire fence. For additional photos, see Continuation sheets attached to the District Record.

***P3b. Resource Attributes:** (List attributes and codes) HP 8. Industrial.

***P4.Resources Present:** ☑ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #) Southwest elevation, looking northeast, 3/24/2022

***P6. Date Constructed/Age and Source:** ☑ Historic ☐ Prehistoric ☐ Both
c. 1959: Historicaerials.com and USCB historic aerials.

***P7. Owner and Address:**
Ontario International Airport Authority
1923 E. Avion Street
Ontario, CA 91761

***P8. Recorded by:** (Name, affiliation, and address) Laura O'Neill
Desert Research Institute (DR)
755 E. Flamingo Road, Las Vegas, NV

***P9. Date Recorded:** 3/24/2022

***P10. Survey Type:** (Describe)
Section 106/CEQA

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Historic Property Evaluation Report for the Ontario International Airport South Cargo Center Project, Ontario, San Bernardino County. Prepared by Laura O'Neill, DRI, for Meridian Consultants. May 2022.

***Attachments:** ☐NONE ☐Location Map ☐Continuation Sheet ☐Building, Structure, and Object Record
☐Archaeological Record ☑District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 **of** 1 ***Resource Name or #:** (Assigned by recorder) GE Building 5
P1. Other Identifier:

*P2. **Location:** . **Not for Publication** ☑ **Unrestricted**
***a. County** San Bernardino **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Guasti **Date** 2015 **T** 1S; **R** 7W; **of Sec** 1/4 ; SB **B.M.**
c. Address 1923 E. Avion Street City Ontario Zip 91761
d. UTM: (Give more than one for large and/or linear resources) Zone 11S, 443896.14 mE/ 3768062.38 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Building 5 is a composite of multiple additions. It was originally a relatively small, wood framed, rectangular building with a gabled roof, wood-frame windows, and smooth stucco siding. Parts of the original building are visible on the northwest and southwest elevations. In place of the original southeast elevation is a high-bay addition c. 1969 made of concrete block with a shed-roofed loading dock. To the northeast is another high-bay, concrete block addition, also c. 1969. Building 5 is situated in very close proximity to Building 2 to the northeast and Building 6 to the northwest. For additional photos, see Continuation sheets attached to the District Record.

***P3b. Resource Attributes:** (List attributes and codes) HP 8. Industrial.

***P4.Resources Present:** ☑ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #) Southwest elevation, looking northeast, 3/24/2022

***P6. Date Constructed/Age and Source:** ☑ Historic ☐ Prehistoric ☐ Both
c. 1959: Historicaerials.com and USCB historic aerials.

***P7. Owner and Address:**
Ontario International Airport Authority
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***P8. Recorded by:** (Name, affiliation, and address) Laura O'Neill
Desert Research Institute (DR)
Las Vegas, NV

***P9. Date Recorded:** 3/24/2022

***P10. Survey Type:** (Describe)
Section 106/CEQA

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Historic Property Evaluation Report for the Ontario International Airport South Cargo Center Project, Ontario, San Bernardino County. Prepared by Laura O'Neill, DRI, for Meridian Consultants. May 2022.

***Attachments:** ☐NONE ☐Location Map ☐Continuation Sheet ☐Building, Structure, and Object Record
☐Archaeological Record ☑District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

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APPENDIX 5.5-1

Vehicle Fuel Energy Calculations

Table 1: On road Vehicles - Operational				
		Fuel Consumption (gal)		
Scenario	Annual VMT	Gasoline	Diesel	Total
Phase 1 (2025)	16,575,015	510,762	472,431	**983,194**
Phase 2 (2029)	18,309,495	416,958	633,980	**1,050,938**
Cumulative (2040)	18,419,725	419,468	637,797	**1,057,266**

Table 2: Fuel Consumption Summary		
Phase 1		
Fuel	Fuel Efficiency (MPG)	%Fleet
Gasoline	25.4	78.2%
Diesel	7.6	21.8%
Phase 2		
Fuel	Fuel Efficiency (MPG)	%Fleet
Gasoline	27.5	70.8%
Diesel	8.0	29.2%
Cumulative		
Fuel	Fuel Efficiency (MPG)	%Fleet
Gasoline	31.2	71.0%
Diesel	8.4	29.0%

Table 3: Operational VMT Breakdown								
	Daily VMT					Annual VMT	% Fleet	
Scenario	Employees, Guests, Deliveries	Trucks	Empty Trucks	Fuel Trucks	Total Daily	Total Annual	Gasoline	Diesel
Phase 1 (2025)	35,402	9,240	649	120	45,411	16,575,015	78%	22%
Phase 2 (2029)	35,540	13,690	933	-	50,163	18,309,495	71%	29%
Cumulative (2040)	35842	13690	933	-	50,465	18,419,725	71%	29%

Source: Fehr and Peers, Ontario International Airport South Airport Cargo Center Draft Transportation Impact Study, June 2022

Table 4: EMFAC2021 Emissions Inventory - Operations									
	2025					2029			
Fuel	VMT (miles/day)	Fuel Consumption (1,000 gal/day)	Fuel Efficiency (miles per gallon)	Fuel Percentage		VMT (miles/day)	Fuel Consumption	Fuel Efficiency	Fuel Percentage
GAS	60,825,054	2,396	25.4	90		61,326,980	2,229	27.5	90
DSL	6,859,924	898	7.6	10		7,081,454	888	8.0	10

Note: Fuel percentage based on VMT.
Fuel efficiency calculated using fuel consumption and VMT from EMFAC2021.

2025

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: San Bernardino
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	VMT	Trips	Fuel_Consumption
San Bernardino	2025	All Other Buses	Aggregate	Aggregate	Diesel	229.2663691	12009.68797	2040.4707	1.25553978
San Bernardino	2025	LDA	Aggregate	Aggregate	Diesel	1948.632535	66018.2217	8282.7365	1.55166875
San Bernardino	2025	LDT1	Aggregate	Aggregate	Diesel	23.9948137	327.746725	67.113633	0.01375278
San Bernardino	2025	LDT2	Aggregate	Aggregate	Diesel	1014.177039	44885.5334	4886.2048	1.34399814
San Bernardino	2025	LHD1	Aggregate	Aggregate	Diesel	22260.03392	835207.0437	280003.22	40.5951999
San Bernardino	2025	LHD2	Aggregate	Aggregate	Diesel	9589.889589	365990.3703	120628.75	21.2926898
San Bernardino	2025	MDV	Aggregate	Aggregate	Diesel	3599.10134	143983.9356	16571.675	6.03242322
San Bernardino	2025	MH	Aggregate	Aggregate	Diesel	2582.96196	22618.02796	258.2962	2.18761345
San Bernardino	2025	Motor Coach	Aggregate	Aggregate	Diesel	61.58652159	8233.656181	1415.2583	1.4638549
San Bernardino	2025	PTO	Aggregate	Aggregate	Diesel	0	47346.73289	0	9.4207087
San Bernardino	2025	SBUS	Aggregate	Aggregate	Diesel	993.6115615	22107.22281	14387.495	2.9387344
San Bernardino	2025	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	25.74244438	1725.447195	591.56137	0.18953633
San Bernardino	2025	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	34.057475	2370.93749	782.64078	0.26058578
San Bernardino	2025	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	115.5681422	6153.527192	2655.7559	0.66601268
San Bernardino	2025	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	190.6542161	39002.35893	4381.2339	3.92277661
San Bernardino	2025	T6 Instate Delivery	Aggregate	Aggregate	Diesel	707.0166141	23941.01677	10089.127	2.69146176

San Bernardino	2025	T6 Instate Delivery	Aggregate	Aggregate	Diesel	816.7867353	27972.65803	11655.547	3.1881776
San Bernardino	2025	T6 Instate Delivery	Aggregate	Aggregate	Diesel	3325.261264	113323.7374	47451.478	12.7616546
San Bernardino	2025	T6 Instate Delivery	Aggregate	Aggregate	Diesel	606.0934599	33126.7465	8648.9537	3.6239185
San Bernardino	2025	T6 Instate Other Cl	Aggregate	Aggregate	Diesel	1498.012687	62555.99708	17317.027	7.06756122
San Bernardino	2025	T6 Instate Other Cl	Aggregate	Aggregate	Diesel	3535.008245	153544.2521	40864.695	17.4106334
San Bernardino	2025	T6 Instate Other Cl	Aggregate	Aggregate	Diesel	3080.91431	131734.1102	35615.369	14.8211157
San Bernardino	2025	T6 Instate Other Cl	Aggregate	Aggregate	Diesel	1802.07051	85487.3607	20831.935	9.39828143
San Bernardino	2025	T6 Instate Tractor C	Aggregate	Aggregate	Diesel	30.54824032	1558.619193	353.13766	0.17282843
San Bernardino	2025	T6 Instate Tractor C	Aggregate	Aggregate	Diesel	972.6087021	58049.71699	11243.357	6.06888256
San Bernardino	2025	T6 OOS Class 4	Aggregate	Aggregate	Diesel	14.94198121	994.4297168	343.36673	0.10791364
San Bernardino	2025	T6 OOS Class 5	Aggregate	Aggregate	Diesel	19.67045504	1364.178749	452.02706	0.14831488
San Bernardino	2025	T6 OOS Class 6	Aggregate	Aggregate	Diesel	67.24701381	3564.638101	1545.3364	0.37975745
San Bernardino	2025	T6 OOS Class 7	Aggregate	Aggregate	Diesel	101.6902872	25919.35159	2336.8428	2.58377029
San Bernardino	2025	T6 Public Class 4	Aggregate	Aggregate	Diesel	128.9173743	4399.872528	661.34613	0.51111658
San Bernardino	2025	T6 Public Class 5	Aggregate	Aggregate	Diesel	220.2082047	8091.095734	1129.6681	0.9437338
San Bernardino	2025	T6 Public Class 6	Aggregate	Aggregate	Diesel	178.7216757	6305.097815	916.8422	0.7315082
San Bernardino	2025	T6 Public Class 7	Aggregate	Aggregate	Diesel	378.3348979	17331.51656	1940.858	1.96835606
San Bernardino	2025	T6 Utility Class 5	Aggregate	Aggregate	Diesel	199.1426152	8065.517768	2549.0255	0.86907812
San Bernardino	2025	T6 Utility Class 6	Aggregate	Aggregate	Diesel	37.6515772	1518.845525	481.94019	0.16300845
San Bernardino	2025	T6 Utility Class 7	Aggregate	Aggregate	Diesel	42.51279132	2106.033036	544.16373	0.22487686
San Bernardino	2025	T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	6291.890692	1297926.413	144587.65	207.621524
San Bernardino	2025	T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	5671.722041	1555338.065	130336.17	241.968368
San Bernardino	2025	T7 NOOS Class 8	Aggregate	Aggregate	Diesel	2397.626352	564943.1449	55097.454	89.9468394
San Bernardino	2025	T7 POLA Class 8	Aggregate	Aggregate	Diesel	2675.463778	337668.5003	43770.587	56.640109
San Bernardino	2025	T7 Public Class 8	Aggregate	Aggregate	Diesel	818.9945036	33635.41037	4201.4418	5.74967285
San Bernardino	2025	T7 Single Concrete/	Aggregate	Aggregate	Diesel	443.7187082	30488.04486	4179.8302	5.01947789
San Bernardino	2025	T7 Single Dump Cla	Aggregate	Aggregate	Diesel	864.0082301	49118.8343	8138.9575	8.27555771
San Bernardino	2025	T7 Single Other Cla	Aggregate	Aggregate	Diesel	2633.848671	143251.9063	24810.854	23.7142078
San Bernardino	2025	T7 SWCV Class 8	Aggregate	Aggregate	Diesel	454.4429298	29500.61207	2090.4375	10.7415271
San Bernardino	2025	T7 Tractor Class 8	Aggregate	Aggregate	Diesel	5586.973126	421956.3074	81178.72	68.0995666
San Bernardino	2025	T7 Utility Class 8	Aggregate	Aggregate	Diesel	145.5915619	6464.216242	1863.572	1.04559552
San Bernardino	2025	UBUS	Aggregate	Aggregate	Diesel	7.060472311	697.8011686	28.241889	0.07489277
San Bernardino	2025	LDA	Aggregate	Aggregate	Gasoli	764579.6112	32810289.96	3545081.6	1088.4083
San Bernardino	2025	LDT1	Aggregate	Aggregate	Gasoli	70144.44426	2409958.695	302020.18	97.0981129
San Bernardino	2025	LDT2	Aggregate	Aggregate	Gasoli	337644.2202	13929503.44	1577536.2	564.18984
San Bernardino	2025	LHD1	Aggregate	Aggregate	Gasoli	29713.01675	1108490.991	442679.68	80.8854393
San Bernardino	2025	LHD2	Aggregate	Aggregate	Gasoli	4518.553278	161855.7997	67319.711	13.3415026
San Bernardino	2025	MCY	Aggregate	Aggregate	Gasoli	38855.32162	226907.5585	77710.643	5.44912767
San Bernardino	2025	MDV	Aggregate	Aggregate	Gasoli	251167.1745	9921872.959	1145571.7	498.692277
San Bernardino	2025	MH	Aggregate	Aggregate	Gasoli	6121.22242	53536.5282	612.36709	11.0826071

San Bernardino	2025	OBUS	Aggregate	Aggregate	Gasoli	619.7772438	30637.70864	12400.503	5.98324118
San Bernardino	2025	SBUS	Aggregate	Aggregate	Gasoli	398.9536056	20420.71668	1595.8144	2.25047579
San Bernardino	2025	T6TS	Aggregate	Aggregate	Gasoli	2309.446886	140687.5982	46207.413	26.8652499
San Bernardino	2025	T7IS	Aggregate	Aggregate	Gasoli	6.102009755	351.9069674	122.08901	0.0888095
San Bernardino	2025	UBUS	Aggregate	Aggregate	Gasoli	110.1157443	10540.07679	440.46298	1.7997065

	VMT Sum	Fuel Sum	Fuel Sum/Year
Diesel	6859924.498	897.8683833	**327,721,960**
Gas	60825053.94	2396.134689	**874,589,162**
			1,202,311,122

2029

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: San Bernardino
Calendar Year: 2029
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	Trips	Fuel Consumption
San Bernardino	2029	All Other Buses	Aggregate	Aggregate	Diesel	244.3373039	12176.67353	2174.602	1.23103747
San Bernardino	2029	LDA	Aggregate	Aggregate	Diesel	1342.947787	45470.10681	5760.7153	1.01498436
San Bernardino	2029	LDT1	Aggregate	Aggregate	Diesel	3.146898505	50.6955622	9.1129163	0.0019385
San Bernardino	2029	LDT2	Aggregate	Aggregate	Diesel	1220.768212	52764.29613	5831.6495	1.47126656
San Bernardino	2029	LHD1	Aggregate	Aggregate	Diesel	21066.27975	777024.3862	264987.3	37.2686019
San Bernardino	2029	LHD2	Aggregate	Aggregate	Diesel	9492.634983	349980.1465	119405.41	19.9324529
San Bernardino	2029	MDV	Aggregate	Aggregate	Diesel	3407.453611	132611.0767	15521.546	5.19555278
San Bernardino	2029	MH	Aggregate	Aggregate	Diesel	2432.652751	20899.44143	243.26528	2.02581687
San Bernardino	2029	Motor Coach	Aggregate	Aggregate	Diesel	70.52680186	8421.685631	1620.7059	1.43241844
San Bernardino	2029	PTO	Aggregate	Aggregate	Diesel	0	47256.76802	0	8.95919758
San Bernardino	2029	SBUS	Aggregate	Aggregate	Diesel	948.1034193	20587.75018	13728.538	2.7029839
San Bernardino	2029	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	25.44680511	1710.229082	584.76758	0.18287944
San Bernardino	2029	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	32.91117139	2359.972947	756.29872	0.25300732
San Bernardino	2029	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	124.5322096	6038.462601	2861.7502	0.63858959
San Bernardino	2029	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	200.3851369	39994.53208	4604.8504	3.8214969
San Bernardino	2029	T6 Instate Delivery	Aggregate	Aggregate	Diesel	733.9293683	24324.02434	10473.172	2.69031111
San Bernardino	2029	T6 Instate Delivery	Aggregate	Aggregate	Diesel	859.6243145	28479.46604	12266.839	3.18377338
San Bernardino	2029	T6 Instate Delivery	Aggregate	Aggregate	Diesel	3475.062291	115277.6101	49589.139	12.7712728
San Bernardino	2029	T6 Instate Delivery	Aggregate	Aggregate	Diesel	682.8233816	34972.27702	9743.8897	3.82149517

San Bernardino	2029	T6 Instate Other Cl	Aggregate	Aggregate	Diesel	1558.826863	63051.71746	18020.039	6.99361025
San Bernardino	2029	T6 Instate Other Cl	Aggregate	Aggregate	Diesel	3779.9096	155345.5743	43695.755	17.2742037
San Bernardino	2029	T6 Instate Other Cl	Aggregate	Aggregate	Diesel	3256.760819	133184.1638	37648.155	14.7265933
San Bernardino	2029	T6 Instate Other Cl	Aggregate	Aggregate	Diesel	2088.707381	87724.46774	24145.457	9.56529965
San Bernardino	2029	T6 Instate Tractor C	Aggregate	Aggregate	Diesel	32.01847494	1560.988619	370.13357	0.16941625
San Bernardino	2029	T6 Instate Tractor C	Aggregate	Aggregate	Diesel	1133.351666	61062.08295	13101.545	6.26518053
San Bernardino	2029	T6 OOS Class 4	Aggregate	Aggregate	Diesel	15.88277359	1075.099256	364.98614	0.10997442
San Bernardino	2029	T6 OOS Class 5	Aggregate	Aggregate	Diesel	20.36091092	1474.842851	467.89373	0.15161724
San Bernardino	2029	T6 OOS Class 6	Aggregate	Aggregate	Diesel	78.71217014	3853.806566	1808.8057	0.38732247
San Bernardino	2029	T6 OOS Class 7	Aggregate	Aggregate	Diesel	108.020967	28021.9659	2482.3218	2.6151941
San Bernardino	2029	T6 Public Class 4	Aggregate	Aggregate	Diesel	118.3640272	4199.833273	607.20746	0.47842833
San Bernardino	2029	T6 Public Class 5	Aggregate	Aggregate	Diesel	218.5632468	7860.60464	1121.2295	0.90476395
San Bernardino	2029	T6 Public Class 6	Aggregate	Aggregate	Diesel	166.0616861	6039.289617	851.89645	0.68658099
San Bernardino	2029	T6 Public Class 7	Aggregate	Aggregate	Diesel	362.8148765	16495.60384	1861.2403	1.83015135
San Bernardino	2029	T6 Utility Class 5	Aggregate	Aggregate	Diesel	188.5584171	7552.114065	2413.5477	0.80180814
San Bernardino	2029	T6 Utility Class 6	Aggregate	Aggregate	Diesel	35.60473113	1423.882593	455.74056	0.15073438
San Bernardino	2029	T6 Utility Class 7	Aggregate	Aggregate	Diesel	39.47087462	1955.319424	505.2272	0.20527601
San Bernardino	2029	T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	6567.708177	1343336.649	150925.93	201.438443
San Bernardino	2029	T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	6137.907331	1700945.803	141049.11	240.484678
San Bernardino	2029	T7 NOOS Class 8	Aggregate	Aggregate	Diesel	2648.217945	617832.0283	60856.048	90.396653
San Bernardino	2029	T7 POLA Class 8	Aggregate	Aggregate	Diesel	2732.376373	388176.3025	44701.677	64.2497265
San Bernardino	2029	T7 Public Class 8	Aggregate	Aggregate	Diesel	728.6906356	29981.16628	3738.183	5.02018343
San Bernardino	2029	T7 Single Concrete/	Aggregate	Aggregate	Diesel	423.3999306	28199.08473	3988.4273	4.46539346
San Bernardino	2029	T7 Single Dump Cla	Aggregate	Aggregate	Diesel	904.2666737	46820.15369	8518.1921	7.73328709
San Bernardino	2029	T7 Single Other Cla	Aggregate	Aggregate	Diesel	3033.772732	147136.5274	28578.139	23.8996321
San Bernardino	2029	T7 SWCV Class 8	Aggregate	Aggregate	Diesel	324.8093183	21087.54551	1494.1229	7.63232256
San Bernardino	2029	T7 Tractor Class 8	Aggregate	Aggregate	Diesel	6588.939357	448834.8109	95737.289	69.9841259
San Bernardino	2029	T7 Utility Class 8	Aggregate	Aggregate	Diesel	148.4851235	6319.531575	1900.6096	1.00634402
San Bernardino	2029	UBUS	Aggregate	Aggregate	Diesel	5.097846979	503.5822061	20.391388	0.04918195
San Bernardino	2029	LDA	Aggregate	Aggregate	Gasoli	755670.557	32350957.09	3497594.5	995.035554
San Bernardino	2029	LDT1	Aggregate	Aggregate	Gasoli	64308.32076	2249492.293	278255.25	84.2054763
San Bernardino	2029	LDT2	Aggregate	Aggregate	Gasoli	367615.6796	15131473.23	1715418.8	562.440747
San Bernardino	2029	LHD1	Aggregate	Aggregate	Gasoli	28008.39803	1057886.118	417283.4	71.0555485
San Bernardino	2029	LHD2	Aggregate	Aggregate	Gasoli	4123.608307	146222.003	61435.62	11.271346
San Bernardino	2029	MCY	Aggregate	Aggregate	Gasoli	38595.971	222317.9603	77191.942	5.26115155
San Bernardino	2029	MDV	Aggregate	Aggregate	Gasoli	250462.5939	9937121.552	1142620.9	458.235039
San Bernardino	2029	MH	Aggregate	Aggregate	Gasoli	4867.550429	43145.92175	486.94974	8.92998879
San Bernardino	2029	OBUS	Aggregate	Aggregate	Gasoli	544.3980014	25305.40668	10892.315	4.75382261
San Bernardino	2029	SBUS	Aggregate	Aggregate	Gasoli	413.4912231	21344.12094	1653.9649	2.32094997
San Bernardino	2029	T6TS	Aggregate	Aggregate	Gasoli	2110.005454	131473.4745	42216.989	24.0841068

San Bernardino		2029	T7IS	Aggregate	Aggregate	Gasoli	2.670712519	329.1654908	53.435616	0.07059119
San Bernardino		2029	UBUS	Aggregate	Aggregate	Gasoli	104.0589399	9911.493304	416.23576	1.62440692

	VMT Sum	Fuel Sum	Fuel Sum/Year
Diesel	7081454.142	888.2752025	**324,220,449**
Gas	61326979.83	2229.288729	**813,690,386**
			1,137,910,835

APPENDIX 5.6-1

Geotechnical Investigation South Airport Cargo Center (SACC)
Ontario International Airport, Ontario, California
Cotton, Shires and Associates, Inc.
Consulting Engineers and Geologists. June 2022

GEOTECHNICAL INVESTIGATION

South Airport Cargo Center (SACC)
Ontario International Airport
Ontario, California



Prepared for:
Mr. William Winters
SOUTH AIRPORT CARGO CENTER
2333 Avion Road
Ontario, California 91761

June 2022

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

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COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

June 28, 2022
SC6101

Mr. William Winters
South Airport Cargo Center
2333 Avion Road
Ontario, California 91761

SUBJECT: **Geotechnical Investigation**
RE: South Airport Cargo Center (SACC) at Ontario International Airport
Ontario, California

Dear Mr. Winters:

Cotton, Shires and Associates, Inc. (CSA) is pleased to present you with the following geotechnical investigation report for design of the new South Airport Cargo Center at Ontario International Airport in Ontario, California. Geotechnical consulting services for this project were provided in accordance with our proposal dated November 1, 2021 (revised December 27, 2021) and authorized under Purchase Order #3004262836 dated December 29, 2021.

In this report, we characterize the geotechnical conditions underlying the subject site and provide geotechnical conclusions and recommendations to aid the project team's design of the site improvements. We appreciate the opportunity to have been of service to you on this project. If you have any questions regarding this report, please feel free to contact us.

Sincerely,
COTTON, SHIRES AND ASSOCIATES, INC.

Gerardo Hernandez
Staff Geologist

Matthew J. Janousek
Supervising Geotechnical Engineer
PE 73401, GE 3005; exp. 12-31-2022



MJ:gh

GEOTECHNICAL INVESTIGATION
South Airport Cargo Center (SACC)
Ontario International Airport, Ontario, California

Table of Contents

		Page
1.0	**INTRODUCTION**	1
	1.1 Project Description	1
	1.2 Purpose and Scope of Work	2
	1.2.1 Research and Review of Available Data	2
	1.2.2 Subsurface Exploration	2
	1.2.3 Geotechnical Laboratory Testing	2
	1.2.4 Geotechnical Evaluation and Reporting	2
2.0	**SITE CONDITIONS**	3
	2.1 Surface Conditions	3
	2.2 Geologic Setting	4
	2.3 Subsurface Exploration	4
	2.4 Laboratory Testing	4
	2.5 Subsurface Conditions	4
	2.5.1 Artificial Fill	4
	2.5.2 Coarse-Grained Alluvium	5
	2.6 Groundwater Conditions	5
3.0	**SEISMICITY**	5
	3.1 Site-Specific Ground Motion Response Analysis	5
4.0	**SEISMIC GEOHAZARDS**	6
	4.1 Ground Rupture Potential	6
	4.2 Tsunami and Seiche Hazard	6
	4.3 Liquefaction Potential and Seismic Related Settlement	6
	4.3.1 Liquefaction Potential	6
	4.3.2 Seismic Settlement of "Dry" Sandy Soils	6
	4.3.3 Lateral Movements and Spreading	7
5.0	**CONCLUSIONS AND RECOMMENDATIONS**	7
	5.1 Site Development and Grading	7
	5.1.1 Site Preparation	7
	5.1.2 Excavation Considerations	8
	5.1.3 Temporary Excavation Considerations	8
	5.1.4 Soil Expansiveness	8

5.1.5 Cut/Fill Slope Design 8
5.1.6 Airfield Apron Area Overexcavation 8
5.1.7 Truck Area and Retaining Wall Shallow Foundation Over-Excavation 9
5.1.8 Special Subgrade Stabilization Measures 9
5.1.9 Compacted Fill in Apron Areas 10
5.1.10 General Fill 11
5.1.11 Import Fill 11
5.1.12 Recycled Onsite Fill Materials 12
5.1.13 Site Drainage 12
5.2 Foundation Design Considerations 12
5.2.1 Cast-in-Drilled Hole (CIDH) Piles 12
5.2.2 Shallow Foundations Bearing on Rammed Aggregate Piers 14
5.3 Interior Slab-on-Grade Design 15
5.4 Retaining Wall Design 15
5.4.1 Pile Supported Retaining Walls 15
5.4.2 Shallow Foundation Supported Retaining Walls 16
5.4.3 Backdrains 17
5.5 Utility Trenches, Pipe Bedding and Trench Backfill 17
5.6 General Corrosivity Considerations 18
5.7 Airfield (Apron) Pavement Design 18
5.7.1 California Bearing Ratio 18
5.7.2 Apron Modulus of Subgrade Reaction (k-value) 19
5.7.3 Apron Elastic Subgrade Modulus (E value) 19
5.7.4 Recycled Aggregate Base for Apron 19
5.8 Truck Area and Other Light Traffic Pavement Design 20
5.8.1 Flexible Pavement 20
5.8.2 Rigid Pavement 20
5.8.3 Pavement Construction Considerations 21
5.9 Infiltration Basin Design 21
5.9.1 Soil and Groundwater Conditions 22
5.9.2 Field Percolation Rate 22
5.9.3 Design Infiltration Rate 23
5.9.4 Geotechnical Considerations 23
5.9.5 Geotechnical Conclusions 23
5.10 Technical Review 24
5.11 Earthwork Construction Inspection and Testing 24

6.0 INVESTIGATION LIMITATIONS 25

7.0 REFERENCES 26

TABLES **Page**

1 Summary of Corrosivity Test Results 18
2 Summary of California Bearing Ratio Test Results 19
3 Summary of Minimum Flexible Pavement Sections 20
4 Summary of Minimum Rigid Pavement Sections 20
5 Summary of Field Measured Percolation Rates 22
6 Summary of Hydraulic Conductivity Test Results 22

FIGURES **Figure No.**

Site Vicinity Map 1
Site Exploration Map 2
Engineering Geologic Cross Sections A-A', B-B', and C-C' 3
Regional Geologic Map 4

APPENDICES **Figure/Table No.**

Appendix A – Field Exploration
Logs of Exploratory Borings B-1 through B-87 ..... Figures A-1 through A-86
Appendix B – Laboratory Testing
Summary of Laboratory Test Results ..... Table B-1
Grain Size Distribution Curve ..... Figures B-1a to B-2e
Direct Shear ..... Figures B-3a to B-3g
Collapse Potential ..... Figures B-4a to B-4j
Modified Proctor Compaction ..... Figures B-5a to B-5g
R-Value Result Report ..... Figure B-6
California Bearing Ratio ..... Figures B-7a to B-7c
Summary of Permeability Test Results ..... Figure B-8
Appendix C – Site-Specific Ground Motion Response Analysis

GEOTECHNICAL INVESTIGATION
South Airport Cargo Center (SACC)
Ontario International Airport, Ontario, California

1.0 INTRODUCTION

Cotton, Shires and Associates, Inc. (CSA) is pleased to present this geotechnical investigation report for design of the new South Airport Cargo Center at Ontario International Airport in Ontario, California. Geotechnical consulting services for this project were provided in accordance with our proposal dated November 1, 2021 (revised December 27, 2021) and authorized under Purchase Order #3004262836 dated December 29, 2021.

1.1 Project Description

Our understanding of the proposed project and the general scope of geotechnical services are based on: SACC Subsurface Investigation Scope of Work (Rev 1) dated September 2021, prepared by CHA Consulting, Inc. (CHA); Drainage Plan dated September 9, 2021, prepared by CHA; Geotech Information Checklist dated August 2018, prepared by Walker Consultants; Preliminary Structural Concept plans prepared by HSA & Associates, Inc.; and correspondence with the project team from November 2021 through April 2022.

Based on our review of the referenced plans and correspondence with the project team, we understand that the proposed South Airport Cargo Center (SACC) will consist of: a new 204,320-square-foot, three-story cargo sort facility warehouse; a new 41,250-square-foot, three-story office building; and a new three- to four-level, at-grade vehicle parking garage connected to the office building via a pedestrian bridge over East Avion Street. Maximum column and wall foundation loads for the cargo sort facility will be about 970 kips (dead and live load) and 22 kips (dead and live load), respectively. Interior and exterior garage column foundation loads for the vehicle parking garage will be 450 kips and 22 kips, respectively; anticipated vehicle parking column loads will increase by up to 50 percent if the structure is designed for four levels.

A new airfield apron will be constructed on the east, west, and north sides of the cargo sort facility, truck parking will be located on the south side of the cargo sort facility, and an approximately 250-foot-wide x 500-foot-long x 16-foot-deep infiltration basin will be located at the southeast corner of the airfield apron. Other improvements will include up to 15-foot high perimeter retaining walls to accommodate grade changes adjacent to existing offsite

improvements, and associated utilities. We understand that airfield pavement will be designed in accordance with the U.S. Department of Transportation Federal Aviation Administration's Advisory Circular No. AC 150/5320-6G. Site grade will be increased by about 1 to 10 feet in elevation to achieve minimum drainage requirements, with the largest grade increase (i.e., addition of compacted fill) occurring at the southeastern portion of the proposed airfield apron proximal to the infiltration basin.

General project site limits are delineated on Figure 1 – Site Vicinity Map. The proposed site improvements are shown on Figure 2 – Site Exploration Map. Subsurface profiles through the proposed improvements are presented on Figure 3 – Engineering Geologic Cross Sections.

1.2 Purpose and Scope of Work

The purpose of our investigation was to explore and generally characterize the earth materials at the site and to develop preliminary geotechnical recommendations and design criteria for the proposed improvements. A summary of the work we performed is outlined below.

1.2.1 Research and Review of Available Data – We researched, reviewed, and compiled data from available historic aerial photographs and readily available published documents, including previous geotechnical investigations on and near the site in order to gain background information regarding previous site uses and geotechnical conditions.

1.2.2 Subsurface Exploration – Field exploration consisted of excavating eighty-six (86) exploratory hollow-stem auger borings to depths of about 6.0 to 51.5 feet below ground surface (bgs), including two (2) percolation test holes that were each excavated to a depth of 11.5 feet bgs, in the location shown on Figure 2. Summaries of field exploration procedures and boring and percolation test logs are presented in Appendix A – Field Exploration.

1.2.3 Geotechnical Laboratory Testing – Laboratory tests were performed on selected soil samples obtained from the borings. A summary of the laboratory testing program is presented in Appendix B – Laboratory Testing.

1.2.4 Geotechnical Evaluation and Reporting – Geotechnical evaluation of the subject site consisted of characterizing field and laboratory test data and developing conclusions and recommendations regarding geotechnical and seismic hazards, foundation type and design criteria. Based on data obtained from our subsurface exploration and geotechnical laboratory

testing programs, we have provided geotechnical opinions regarding site conditions and geotechnical hazards, and provided recommendations for the proposed improvements, including:

- Soil and groundwater conditions at the site;
- Site seismicity, including potential for liquefaction and seismic induced dry densification;
- Seismic design parameters based on the 2019 California Building Code/ASCE 7-16;
- Site preparation and grading and compaction requirements for fill placement below structures and within other proposed development areas;
- Evaluation of onsite materials for use as compacted fill;
- Import fill recommendations;
- Construction considerations including excavatability of the onsite materials;
- Surface drainage;
- Allowable bearing pressures for shallow foundations;
- Allowable adhesion (skin friction) for deep foundations;
- Resistance to sliding and passive pressure;
- Estimated total and differential settlements of foundations;
- Construction of slabs-on-grade;
- Utility trench backfill;
- General corrosion potential of soil encountered in foundation areas (limited soil chemistry testing for pH, resistivity, chloride and sulfate content);
- Active, passive, and seismic retaining wall lateral earth pressures;
- Airfield pavement geotechnical design parameters;
- Non-airfield heavy-duty traffic asphalt and concrete pavement areas; and
- Percolation test results and design infiltration rates.

2.0 SITE CONDITIONS

2.1 Surface Conditions

The project site is currently occupied by one- to two-story administrative/commercial buildings with surrounding hangers, airfield and landside pavement, other concrete and asphalt paved access roads and intermittent areas of exposed graded soil. The overall site appears to slope gently to the south and west with elevations within the areas of the proposed improvements ranging from about +894 feet on the south end of the site, near East Avion Street, to about +919 feet on the north end near the airport's southernmost taxiway.

2.2 Geologic Setting

The subject site is located in the San Bernardino Valley, which lies in the southern part of the Transverse Range geomorphic province of California. The Transverse Range geomorphic province is an east-west trending province that extends westward from the eastern margin of the San Bernardino Mountains to Point Arguello on the California coast and the Channel Islands off the coast in the Santa Barbara Channel. The San Bernardino Valley is bounded by the San Gabriel Mountains to the north and the Santa Ana Mountains to the south.

Surficial geology at the subject site consists of recent Holocene-age alluvial fan deposits (Qf), as shown on Figure 4 – Regional Geologic Map. Alluvial deposits were encountered below the surficial fill across the site to the depth explored during the subsurface exploration program.

2.3 Subsurface Exploration

We explored subsurface conditions at the site from January 18 through January 27, 2022, by means of eighty-six (86) exploratory hollow-stem auger borings excavated to depths of about 6.0 to 51.5 feet bgs, including two (2) percolation test holes that were each excavated to depths of 11.5 feet bgs. Drilling and percolation services were provided by Choice Drilling of Sylmar, California. Summaries of field exploration procedures and boring and percolation test logs are presented in Appendix A.

2.4 Laboratory Testing

We performed laboratory tests on disturbed and undisturbed soil samples obtained from the borings. Laboratory tests consisted of moisture content, wet and dry unit weight determinations, particle size analysis, #200 sieve wash analysis, direct shear strength, collapse potential, California Bearing Ratio (CBR), R-value, permeability, general corrosion (resistivity, pH, sulfates and chlorides), and maximum unit weight/optimum moisture content. The results of the laboratory tests are presented in Appendix B.

2.5 Subsurface Conditions

Subsurface conditions encountered during the field exploration program generally consisted of shallow artificial fill underlain by coarse-grained alluvium.

2.5.1 Artificial Fill – Artificial fill (Qaf) was generally encountered in the upper 0 to 4.5 feet of the borings and generally consisted of loose to dense silty sand, and medium stiff sandy silt.

Moisture contents of the artificial fill were generally close to or below optimum proctor moisture content.

2.5.2 Coarse-Grained Alluvium – Generally coarse-grained alluvium was encountered in the borings below the artificial fill to the maximum depth explored of about 51.5 feet bgs. The upper 30 feet of alluvium generally consists of loose to medium dense silty sand and sand with varying amounts of silt and gravel, and non-continuous layers of medium stiff sandy silt. Standard Penetration Test (SPT) blow counts in the upper alluvium generally ranged from about 7 to 30 blows per foot (bpf). Fines contents of the upper alluvium ranged from about 3.9 to 54 percent.

Generally, medium to very dense silty sand and sand with varying amounts of silt and gravel were encountered below a depth of about 30 feet. SPT blow counts in the deeper alluvium generally ranged from about 22 to 50+ blows per foot (bpf). Fines contents of the deeper alluvium ranged from about 29 to 56 percent.

2.6 Groundwater Conditions

Groundwater was not encountered in any of the borings performed for this study. Fluctuations in groundwater levels may occur from variations in rainfall, flooding and other factors, and groundwater levels may be different at different times and locations. However, groundwater is not anticipated to rise to a level that would adversely impact the proposed improvements over their expected design life.

3.0 SEISMICITY

The seismicity evaluation for the project consisted of the assessment of earthquake hazards such as seismic setting and nearby faults, CBC/ASCE 7-16 seismic design criteria and estimated strong ground motion, as summarized below.

3.1 Site-Specific Ground Motion Response Analysis

Based on our geotechnical investigation, the site location (latitude N 34.0506° and longitude W 117.6050°) and our interpretation of the 2019 CBC and ASCE 7 Hazards Report for ASCE/SEI 7-16 related to Earthquake Loads and using the online tool, a site-specific ground motion analysis is presented in Appendix C – Site-Specific Ground Motion Response Analysis.

4.0 SEISMIC GEOHAZARDS

In the following sections, we discuss potential seismic geohazards that may impact the subject site along with the corresponding degrees of estimated potential risk.

4.1 Ground Rupture Potential

The subject site is not located within a designated Alquist-Priolo Earthquake Hazard Zone (CGS, 1998). Active or potentially active faults are not known to exist on or trend toward the site. As such, the potential for primary ground surface rupture due to faulting is considered to be low.

4.2 Tsunami and Seiche Hazard

Based on the general site elevation (+894 to +919 feet) and distance to the Pacific Ocean, potential impacts from a tsunami appear to be very low. There are also no large landlocked bodies of water proximal to the subject site. Therefore, we conclude that the potential for earthquake-induced seiche effects to adversely impact the subject site is nil.

4.3 Liquefaction Potential and Seismic Related Settlement

4.3.1 Liquefaction Potential – Liquefaction occurs when saturated, loose to medium dense, sands and low-plasticity silts and clays are subjected to seismically-induced strong shaking. Liquefiable soils typically lose a portion or all of their shear strength and regain strength sometime after the shaking stops. Soil movements, both vertical and lateral, can occur as a result of liquefaction and ground shaking.

The site is not located within a Liquefaction Hazard Zone as mapped by the State of California (CGS, 2002) under the Seismic Hazards Mapping Act of 1990. Site-specific subsurface exploration and data research have shown that generally medium dense to very dense silty sands, sandy silts, and sands are present beneath the subject site, and static groundwater levels are not anticipated to rise within 50 feet of the ground surface. We therefore conclude that the potential for liquefaction to adversely impact the subject site is very low.

4.3.2 Seismic Settlement of "Dry" Sandy Soils – Dry seismic settlement at the site was estimated using procedures outlined in Pradel (1998a and 1998b), which is a simplified procedure based on Tokimatsu and Seed (1987). Due to the previously discussed upper loose to medium dense silty sands and sands present at the subject site, seismic settlement for "dry" sandy soils within the upper 40 feet of alluvium is estimated to be about 2 to 4 inches. Recommended

measures to mitigate the effects of dry seismic settlement (i.e., dynamic densification) on foundations are presented later in this report.

4.3.3 Lateral Movements and Spreading – The estimation of lateral movements resulting from seismic events is highly uncertain. However, based on empirical procedures presented by Bartlett and Youd (1995), deep groundwater, and relatively level site grade, the potential for large lateral movements caused by post-seismic residual shear strength reduction is considered to be nil.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The conclusions and recommendations for site grading and foundation design, as presented below, are based on our subsurface exploration and supporting laboratory testing for the subject site performed from January through March 2022. Overexcavation and recompaction of artificial fill and upper alluvial soil materials, or ground improvement, are recommended to reduce the potential for settlement and to improve foundation and pavement bearing conditions. The recommendations presented below should be incorporated into the project plans and specifications and should be adhered to during construction. Prior to contract bidding, site grading and foundation plans should be reviewed by Cotton, Shires and Associates, Inc. for consistency with our recommendations.

Based on review of the HSA plans and communication with the project team, we understand that Rammed Aggregate Piers (RAP) are being considered to support the foundations of the cargo sort facility and possibly the parking structure. Consequently, we have included recommendations for the RAP design-build contractor to consider.

5.1 Site Development and Grading

5.1.1 Site Preparation – Prior to commencing grading operations, soil materials containing debris, organics, pavement, or other unsuitable materials should be stripped from the building areas. Demolition of on-grade improvements should include removal of old foundations, pavements, slabs, abandoned utilities, and soils disturbed during the demolition process. Depressions or disturbed areas left from the removal of such material should be replaced with compacted, engineered fill.

In areas that are proposed for shallow bearing such as pavements, sidewalks, retaining walls and other improvements that could be adversely impacted by differential settlement, we

recommend further removal of the existing artificial fill material and replacement with compacted, engineered fill as described in Sections 5.1.9 through 5.1.12 below.

5.1.2 Excavation Considerations – The artificial fill and alluvium encountered during field exploration were drilled with light to moderate effort. We anticipate that excavation of earth materials at the site can be performed using conventional earth excavation equipment.

5.1.3 Temporary Excavation Considerations – Sloped excavations may be used as temporary access in areas with enough room to accommodate the slopes. Temporary slopes should be monitored continuously by the contractor. Loose or unstable soil should be removed immediately. Temporary slopes and excavations should conform to Federal Occupational Safety and Health Administration (OSHA) and/or California Division of Occupational Safety and Health (DOSH) regulations and other applicable local ordinances and building codes, as required. However, the contractor should be made responsible for all safety issues regarding open excavations. The contractor should consider an OSHA soil Type C designation for the near-surface material in designing shoring.

5.1.4 Soil Expansiveness – The artificial fill and alluvial subsurface materials encountered during exploration across the site were primarily coarse-grained with varying amounts of silt and little to no clay. As such, the expansion potential of the onsite soils is considered very low.

5.1.5 Cut/Fill Slope Design – Any new permanent cut slopes should not exceed an inclination of 2:1 (H:V). During the dry season, temporary cut slopes of 1.5:1 (H:V) should generally be satisfactory for construction purposes, provided that they are inspected and approved by our field representative at the time of construction and monitored daily during construction. Excavation methods, shoring, bracing and safety of excavations are the responsibility of the contractor. All excavations should comply with applicable local, State and Federal safety regulations.

All permanent fill slopes constructed with onsite excavated earth materials should have a maximum inclination of 2:1 (H:V).

5.1.6 Airfield Apron Area Over-Excavation – Over-excavation and recompaction of artificial fill and upper alluvial materials in the apron area are recommended in some areas to reduce the potential for settlement and to provide uniform bearing conditions. Over-excavation recommendations presented below are based on the boring data obtained from our geotechnical exploration and laboratory testing.

Based on plans provided by CHA, we understand that site grade will be increased by about 1 to 10 feet in elevation to achieve minimum drainage requirements, with the largest grade increase (i.e., addition of compacted fill) occurring at the southeastern portion of the proposed airfield apron proximal to the infiltration basin. In areas where the finished subgrade elevation is less than 2 feet above existing grade, the artificial fill and upper alluvial materials within the apron areas should be over-excavated, as needed, to achieve at least 2 feet of compacted fill beneath finish subgrade elevation. For example, if finish subgrade elevation is 1 foot above existing grade, then the artificial fill and upper alluvial materials should be over-excavated at least 1 foot prior to the placement of compacted fill.

Depressions or disturbed areas left from the removal of such material should be replaced with compacted fill. Following observation of the over-excavation bottom by CSA, the exposed surface should be scarified 8 inches, moisture-conditioned to within 2 percent of optimum moisture content and compacted to at least 90 percent of the maximum dry unit weight, determined using test method ASTM D1557 (current version).

5.1.7 Truck Area and Retaining Wall Shallow Foundation Over-excavation – Artificial fill and upper alluvial materials within the truck area south of the cargo facility and site retaining walls with shallow foundations should be over-excavated to a depth of at least 2 feet below existing grade, 1 foot below proposed finish subgrade elevation, or at least 1 foot below foundation bottom, whichever is deeper. Depressions or disturbed areas left from the removal of such material should be replaced with compacted engineered fill. Following observation of the over-excavation bottom by CSA, the exposed surface should be scarified 8 inches, moisture-conditioned to within 2 percent of optimum moisture content and compacted to at least 90 percent of the maximum dry unit weight, determined using test method ASTM D1557 (current version).

5.1.8 Special Subgrade Stabilization Measures – Yielding or pumping subgrades may develop depending on material type, moisture content, and applied equipment. Unsuitable subgrade conditions can range in severity and often require a trial-and-error procedure to determine the appropriate remedial method. Special stabilization measures may be required to provide a firm and unyielding subgrade surface if loose or pumping subgrade is encountered or created during grading activities. Special subgrade stabilization measures that have been successfully used on other projects consist of:

- Placing a 1- to 2-foot-thick layer of 3- to 4-inch rock on the excavation bottom;

- Placing a 1-foot thick layer of ½-inch to ¾-inch clean crushed drain rock sandwiched by two layers of filter fabric;
- Use of a geosynthetic placed beneath a minimum 1-foot lift of gravel or rock or gravel fill; and/or
- Mixing cement into the subgrade.

Whether these measures are required will depend on the condition of the subgrade at the time of construction, the density and moisture content of the subgrade materials, and the nature of the construction activities (e.g., earthmoving equipment type and loading, number of equipment passes, etc.).

An alternative to use of rock or gravel for excavation bottom stabilization is the treatment of subgrade materials with cement to effect "bridging" over yielding, unstable excavation bottoms. Cement should be thoroughly mixed into the upper 12 inches of the excavation bottom in accordance with Sections 301-3.1 through 301-3.1.6 of the "Greenbook." A "mellowing" period of 16 to 48 hours is required before compacting. After "mellowing," the soil-cement mixture should be moisture-conditioned and compacted according to Section 301-3.1.8. The compacted soil-cement mixture should be cured according to Section 301-3.1.9. At least 2 days of curing time should be allowed, prior to placement of general, select, or treated fill materials.

5.1.9 Compacted Fill in Apron Areas – Following compaction of the scarified excavation bottoms, apron area excavations may be backfilled with engineered, compacted onsite excavated materials or imported granular select fill materials. We recommend that, unless otherwise noted, fill materials placed within 2 feet of finished subgrade elevation should be moisture-conditioned to within 2 percent of optimum moisture content and compacted to at least 90 to 95 percent of the maximum dry unit weight, depending on the design California Bearing Ratio. Refer to Section 5.7 below for California Bearing Ratio recommendations. Compacted fill extending deeper than 2 feet below finished subgrade should be compacted to at least 90 percent of the maximum dry unit weight, determined using test method ASTM D1557 (current version).

Fill materials should be placed and compacted at a moisture content within 2 percent of optimum moisture. Each layer should be spread evenly and should be thoroughly blade-mixed during the spreading to provide relative uniformity of material within each layer. Soft or yielding materials should be removed and be replaced with properly compacted fill material, prior to placing the next layer.

When the moisture content of the fill material is below optimum moisture content, water should be added to the fill. While water is being added, the soil should be bladed and mixed to provide relatively uniform moisture content throughout the material. When the moisture content of the fill material is excessive, excavated materials should be spread and disced or scarified to aerate. Compacted fill materials should be spread in lifts no thicker than approximately 8 inches prior to being compacted. Fill and backfill materials may need to be placed in thinner lifts to achieve the recommended compaction with the equipment being used.

Rocks, gravel and other oversized material, greater than 4 inches in diameter, should be removed from the fill material being placed. Rocks less than 4 inches in diameter should not be nested and voids caused by inclusion of rock in the fill should be filled with sand or other approved material.

5.1.10 General Fill – General fill should be free of organics, oversize material (e.g., greater than 4 inches in diameter), trash and debris, and other deleterious material. General fill materials should have an expansion index no greater than 30, a plasticity index no greater than 15, and a percentage finer than the No. 200 sieve (fines content) of no more than 35 percent.

5.1.11 Import Fill – Import fill, if required for the project, should be well-graded granular materials with the following characteristics:

- Non-expansive (EI ≤ 20);
- Friction angle ≥ 30 degrees;
- Maximum particle size < 2 inches;
- Percentage passing the No. 4 sieve between 60 and 100;
- Percentage passing the No. 200 sieve between 10 and 30; and
- Plasticity Index < 10.

5.1.12 Recycled Onsite Fill Materials – We understand that existing concrete and asphalt demolished at the site may be pulverized and re-used as general compacted fill. These recycled materials should be prepared and placed separately from the other onsite sandy fill and alluvial materials that will be used as compacted fill. The recycled materials used as general compacted fill (i.e., not a part of pavement sections) should meet all grading and compaction requirements in accordance with Section 30 of Caltrans Standard Specifications, or Section 200-2 of the Standard Specifications for Public Works Construction ("Greenbook", 2021), as applicable.

5.1.13 Site Drainage – Positive drainage should be developed and maintained away from overexcavated and foundation areas. Water should not be allowed to pond near foundations or on-grade improvements. All roof drainage should be conveyed away from the structures via surface drainage device (non-erosive, hardscape, ribbon gutter, etc.) or via a subsurface area drain system, to an acceptable location. Surface drainage should be directed away from the structures at a minimum 5 percent gradient for at least 10 feet beyond the building footprint for exposed soil conditions, and 2 percent gradient for paved surfaces. If obstructions or lot lines prohibit the 10-foot horizontal distance, the ground surface should be sloped as recommended above to an alternative method of diverting water away from foundations.

Landscaped areas adjacent to the structures should be avoided or should be planted in watertight planter boxes that effectively separate irrigated areas from foundation soils to reduce fluctuations in moisture content. A system of catch basins/area drains in low areas should be implemented and collected drainage should be directed away from the structures to the nearest street, driveway, or drainage structure.

5.2 Foundation Design Considerations

The principal factors affecting foundation type selection include acceptable magnitudes of differential settlement from static loading, and the potential for dry seismic settlement (i.e., dynamic densification) of the upper 25 to 30 feet of loose to medium dense alluvial deposits. The new structures may be supported on deep or shallow (i.e., spread) foundations. The advantages of deep foundations include: 1) deep foundations extending below the zone of dynamic densification should not be susceptible to minor differential settlement; and 2) under static loading, deep foundations should tend to settle less than shallow foundations. If these advantages of a deep foundation are not deemed significant enough to the project team to justify potential cost increases associated with deep foundations, then the proposed structures could be supported on shallow foundations bearing on soil improved by rammed aggregate piers. Recommendations for deep foundations, and shallow foundations with soil improvement, are presented in the following sections of this report.

5.2.1 Cast-in-Drilled Hole (CIDH) Piles – Based on the Walker Consultants Geotech Information Checklist (2018), we understand that the vehicle parking garage may be supported by a reinforced concrete cast-in-drilled-hole (CIDH) pile and grade beam foundation system, and we concur that CIDH piles are a logical foundation type for this structure. CIDH piles should derive vertical support from adhesion (skin friction) below the artificial fill and upper alluvium, in dense

undisturbed alluvial material as determined in the field by the project geotechnical engineer at the time of construction. Note that these pressures have not been factored for a Factor of Safety or Resistance Factor. Piles should be sized according to the following criteria:

Vertical Capacity - minimum three (3) pile diameter spacing
Minimum pile diameter…….24 inches
Minimum pile penetration……Elevation 850
(At least 10 feet into dense sand layer)

Allowable adhesion (skin friction), for dead plus live loads:
0 to up to 4.5 feet fill material…….0 psf
0 to 5 feet into alluvial material…….0 psf
Below 5 feet into alluvial material……500 psf

Lateral Passive Resistance - piles [equivalent fluid pressure applied over an effective width of two (2) pile diameters]
0 to up to 4.5 feet fill material…….0 pcf
0 to 5 feet into alluvial material……..……0 pcf
Below 5 feet into alluvial material…….……...400 pcf

The above adhesion value (skin friction) can be increased by 1/3 for seismic loading and should be decreased by 1/3 for uplift. The upper portion of the piles should be formed to create vertical surfaces, and "mushrooming" of pile tops and over-pours around grade beams should be prevented. Drilled pile holes should be machine cleaned of all loose material prior to the placement of steel and concrete. Piles should be steel-reinforced with a cage including a minimum of 4, No. 5 bars vertical (with greater reinforcement as required by the project Structural Engineer).

Due to the presence of sandy and gravelly soil material, many or all pile holes will likely require temporary casing to prevent caving and to keep the holes open. If water is present in the pile holes (which we do not anticipate) prior to placing concrete, the water should be pumped out until the pile holes are dry, or the concrete should be poured by the tremie method to displace the water. All piles should be connected at their tops by continuous grade beams. The grade beams should be embedded at least 9 inches below pad grade.

If CIDH piles become the preferred foundation alternative for the parking garage, then CSA should perform L-Pile analysis on the CIDH piles to evaluate top deflections based on parameters provided by the Project Structural Engineer.

5.2.2 Shallow Foundations Bearing on Rammed Aggregate Piers

Rammed Aggregate Piers (RAP). If a shallow foundation system is selected, then the soil below the shallow foundations may be improved with a rammed aggregate pier (RAP) system. RAP systems provide increased bearing capacity, reduce dynamic densification and differential settlement potential, and enhance settlement control by delivering composite stiffened bearing materials to reduce the matrix soil compressibility. The construction process typically consists of utilizing pre-augered or displacement methods. The augered or displaced cavities are backfilled with aggregate that is compacted in place using a high frequency, low amplitude, vibratory hammer. The impact hammer densifies aggregate vertically while the tamper foot forces aggregate laterally into cavity sidewalls resulting in stiff RAP elements and a stiffened matrix/soil. Constructed diameters typically range from 18 to 30 inches depending on the method of installation.

RAP systems may be used as foundation support for the new structures if the systems extend a sufficient depth below the upper loose to medium dense sand layers. RAP design and construction is typically performed by a specialty ground improvement contractor who should be consulted to provide further analysis and recommendations. The specialty contractor shall make their own interpretation of strength parameters and soil characteristics from the boring logs and laboratory testing presented in Appendix A and B of this report. The specialty contractor should determine the diameter and depths of the RAP system based on the subsurface conditions in conjunction with the differential static and seismic settlement tolerances provided by the Project Structural Engineer. The RAP design should be reviewed by CSA prior to submittal to the permitting agencies.

Shallow Foundations. If RAP foundation systems are considered for the project, the proposed structures may be supported on shallow foundations. Shallow foundations bearing on a RAP system should be at least 24 inches wide (or wider as determined by the Project Structural Engineer) and founded at least 24 inches below the lowest adjacent final grade. Typically, shallow foundations bearing on a RAP-improved pad may be designed for an allowable bearing capacity of up to 6,000 pounds per square foot (psf) for dead-plus-live loads, including wind or seismic forces; however, the design/build RAP contractor should provide the recommended allowable bearing capacity for the structure. Resistance to lateral loads may be computed using a concrete/soil base friction coefficient of 0.35 and 400 pcf equivalent fluid passive resistance

beginning below an embedment depth of 1 foot, but these values should be verified or amended by the design/build RAP contractor, as appropriate.

Estimated Settlement. Based on input from HSA, we understand that foundation design should accommodate a differential settlement of about 1/2 inch between adjacent columns (at 50-foot spacing) or over a 50-foot length of wall (distortion ratio of 1/1200) for static settlement, and a differential settlement of about 1/2 inch over 35 feet (distortion ratio of 1/420) for seismically induced settlement (e.g., dry seismic settlement).

5.3 Interior Slab-on-Grade Design

The interior slab-on-grade should be designed by the Project Structural Engineer to support the anticipated floor loads. To evaluate the pressure distribution beneath a slab-on-grade floor or rigid mat, we recommend using a Modulus of Subgrade Reaction equal to 150 pounds-per cubic-inch (pci), which is considered a long term load for compacted, coarse-grained subgrade.

As heavy equipment (i.e., fire engines) is likely planned in selected interior slab areas, we recommend that the slab have a minimum thickness of 8 inches and minimum strength of 4,000 psi. Crack control joints should be spaced at a maximum spacing of 12 feet in both directions. Although the Project Structural Engineer should design the slab reinforcement, interior slab-on-grade floors supporting heavy equipment should be reinforced with a minimum of No. 3 steel reinforcing bars at 16 inches on centers both ways. In moisture sensitive areas, the slab may be underlain by a minimum 15 mil vapor barrier. In accordance with ACI recommendations, no sand or gravel should be placed over the vapor barrier prior to the placement of concrete.

5.4 Retaining Wall Design

The following sections provides our recommendations for site retaining walls up to 15 feet in height.

5.4.1 Pile Supported Retaining Walls – If site constraints, compressible near-surface fill and alluvium, and/or wall heights preclude the use of shallow foundations, then pile foundations should be designed according to the Cast-in-Drilled Hole (CIDH) Piles section above. Retaining walls that are free to rotate should be designed to resist an active lateral fluid pressure of 35 pounds per cubic foot (pcf) for horizontal backfill. The above active lateral fluid pressures should be increased by 50% for walls that are restrained from rotation (building walls). The lateral loads on

the retaining wall can be resisted by passive pressure against the side of the piles using the lateral passive resistance provided in Cast-in-Drilled Hole (CIDH) Piles section above.

Retaining walls retaining over 6 feet of earth material should be designed to also resist a seismic load (in addition to the active load), equal to an equivalent fluid pressure of $17H^2$ pcf (where H is the height of the retaining wall).

If retaining walls are planned adjacent to ground level parking or used to support the driveway entrance, a uniform lateral traffic surcharge load of 100 psf should be included and applied against the top 10 feet of the retaining walls.

5.4.2 Shallow Foundation Supported Retaining Walls – If site constraints and/or wall heights permit the use of shallow foundations, then shallow foundations bearing on compacted, engineered fill that is bearing directly on scarified and compacted alluvium per Section 5.1 should be at least 18 inches wide (or wider as determined by the Project Structural Engineer) and founded at least 18 inches below the lowest adjacent final grade. Shallow retaining wall foundations may be designed for an allowable bearing capacity of 2,000 pounds per square foot (psf). Resistance to lateral loads should be computed using a concrete/soil base friction coefficient of 0.35 and 400 pcf equivalent fluid passive resistance beginning below an embedment depth of 1 foot.

Site retaining walls free to rotate should be designed to resist an active lateral fluid pressure of 35 pounds per cubic foot (pcf). The above active lateral fluid pressures should be increased by 50% for walls that are restrained from rotation (building walls). The foundation resistance to lateral loads on the retaining wall should be computed using the lateral passive resistance provided in the Shallow Foundations section above. If additional lateral resistance is required, and as an alternative to excavating a deep, continuous foundation key, shallow piles can be used to support the wall, using the same passive resistance criteria acting over two pile diameters.

Retaining walls retaining over 6 feet of earth material, should be designed to also resist a seismic load (in addition to the active load), equal to an equivalent fluid pressure of $17H^2$ pcf (where H is the height of the retaining wall).

If retaining walls are planned adjacent to ground level parking or used to support the driveway entrance, a uniform lateral traffic surcharge load of 100 psf should be included and applied against the top 10 feet of the retaining walls.

Lower terraced walls should be designed to resist the combined heights of all walls that are bearing within an imaginary 1(H):1(V) line extended up from their base.

5.4.3 Backdrains – Backdrains should be constructed behind all retaining walls regardless of the foundation type. The backdrain should be a minimum 12-inch-wide continuous blanket of either Caltrans Class 2 Permeable Material or 3/4-inch x 1/2-inch clean crush drainrock enclosed in Mirafi 140N (or approved equivalent) filter fabric, and extended to within 1 to 1-½ feet of the ground surface where an impervious fill and/or asphaltic concrete cap should be placed. A minimum 4-inch-diameter PVC Schedule 40 perforated drain pipe should be placed near the bottom of the drainrock (perforations down), surrounded by a minimum of 4 inches of drainrock with at least 2 inches of drainrock underlying the pipe. All backdrain pipes should be sloped to drain at a minimum of 1/2 percent and collected in 4-inch diameter non-perforated Schedule 40 PVC pipes that are sloped a minimum of 2 percent and discharged into the site or airport storm drainage system. The exterior retaining wall backdrains should also discharge to a suitable location away from structures, into the storm drain system, or onto an impermeable surface.

Waterproofing of retaining walls will depend on the type of wall constructed and should be designed by a Waterproofing Specialist to meet the project needs of the owner.

5.5 Utility Trenches, Pipe Bedding, and Trench Backfill

Utilities at the site are likely to include water, sewer, gas, electrical and communication. Utility trenches greater than 5 feet deep should be braced and shored in accordance with good construction practices and all applicable safety ordinances, including OSHA requirements. Pipe bedding for utilities should consist of sand having a minimum sand equivalent of 30. The sand should be placed in a zone that extends from a minimum of 6 inches below to 12 inches above the pipe for the full trench width. Bedding materials should be compacted to a minimum of 90 percent relative compaction.

The trench width should be sufficient to allow compaction equipment to operate between the pipe springline and trench wall. Jetting of trench backfill materials should not be permitted. Trench backfill materials and their placement above the pipe bedding should be in accordance with the local governing authority. At a minimum, trench backfill should be compacted to the standard of surrounding soils (e.g., 90 percent relative compaction for general fill, 95 percent relative compaction for pavement subgrade fill, etc.).

5.6 General Corrosivity Considerations

Bulk samples of the near-surface soils obtained from Borings B-38 and B-61 were tested for resistivity, pH, sulfates, and chlorides. The results are presented in the following Table 1.

Table 1. Summary of Corrosivity Test Results

Boring/Sample Depth	Soil Description	Resistivity (ohm)	pH	Sulfates (%)	Chlorides (%)
B-38 @ 1-5 feet	SM	14,000	7.36	0.001	0.00245
B-38 @ 0-8 feet	SM	30,000	7.46	0.001	0.00275

The resistivity values presented above suggest that onsite soil materials are mildly corrosive to underground steel. Tests results for chlorides indicate that onsite soils may be classified as C0 per ACI 318 Table 19.3.1.1. Tests results for sulfates indicate that onsite soils may be classified as S0 per ACI 318 Table 19.3.1.1. On the basis of sulfate concentration, we recommend that Type II cement be used for concrete in contact with earth materials, in accordance with CBC Chapter 19A (2019).

CSA does not practice in the field of corrosion engineering and the test results presented herein are preliminary. Test results should be evaluated by a corrosion engineer to assess how concrete structures and underground utilities should be protected from anticipated subsurface materials.

5.7 Airfield (Apron) Pavement Design

We understand that airfield (apron) pavement will be designed in accordance with the U.S. Department of Transportation Federal Aviation Administration's (FAA) Advisory Circular Nos. AC 150/5320-6G and 150/5370-10H.

5.7.1 California Bearing Ratio – Bulk samples of the near-surface soils obtained from Borings B-15, B-57, and B-85 were tested for California Bearing Ratio (CBR). The results are presented in the following Table 2.

Table 2. Summary of California Bearing Ratio Test Results

Boring/Sample Depth	Soil Description	CBR for 90% RC	CBR for 95% RC
B-15 @ 1-5 feet	SM	31.8	112.6
B-57 @ 1-6 feet	SM	26.6	66.3
B-85 @ 1-5 feet	SM	16.3	65.1

Based on the laboratory testing results presented above, we recommend that a design CBR of 20 be implemented for the upper 2 feet of apron subgrade materials that are compacted to 90 percent of the maximum dry unit weight, determined using test method ASTM D1557 (current version). If the upper 2 feet of apron subgrade materials are compacted to 95 percent of the maximum dry unit weight, then the CBR may be increased to 30.

5.7.2 Apron Modulus of Subgrade Reaction (k-value) – AC 150/5320-6G permits the modulus of subgrade reaction, k-value, to be determined based on the following equation:

$$\text{k-value} = 28.6926 \times \text{CBR}^{0.7788} \text{ (FAA, 2021, page 3-34)}$$

Based on the above equation, a k-value of 295 pounds per cubic inch (pci) may be used for a design CBR of 20, and a k-value of 405 pci may be used for a design CBR of 30.

5.7.3 Apron Elastic Subgrade Modulus (E value) – AC 150/5320-6G permits the elastic subgrade modulus, E value, to be evaluated in a number of ways. One such method is to determine E value based on the CBR as follows:

$$\text{E value} = 1500 \times \text{CBR (FAA, 2021, page 3-34)}$$

Based on the above equation, an E value of 30,000 pounds per square inch (psi) may be used for a design CBR of 20, and an E value of 45,000 psi may be used for a design CBR of 30.

5.7.4 Recycled Aggregate Base for Apron – We understand that existing concrete and asphalt demolished at the site may be pulverized and re-used as aggregate base in the proposed apron section. The recycled asphalt aggregate base should meet all grading and compaction requirements in accordance with AC 150/5320-6G, 150/5370-10H, Section 30 of Caltrans Standard Specifications, or Section 200-2 of the Standard Specifications for Public Works Construction ("Greenbook", 2021), as applicable.

5.8 Truck Area and Other Light Traffic Pavement Design

Either flexible pavement such as asphaltic concrete or rigid pavement such as reinforced concrete, or both, will be used in the truck area and other parking areas and driveways within the improvement areas. Flexible pavement sections consisting of asphaltic concrete and aggregate base were evaluated using the methods recommended by Caltrans Highway Design Manual Section 630 (2020a). Rigid pavement consisting of concrete and aggregate base was evaluated according to Caltrans Highway Design Manual Section 620 (2020b).

The results of the laboratory testing indicate that the near surface soils have an R-value of 73 based on a representative sample of onsite sandy materials collected from Boring B-41. A Traffic Index (TI) range of 7 to 9 was used for design; if design TI values are different from the assumed values, CSA should be notified so that we can reevaluate the recommended pavement section thickness.

5.8.1 Flexible Pavement – Recommended minimum flexible pavement sections, comprising asphaltic concrete over aggregate base, for the assumed TI range and design R-value of 50 (for conservatism), are presented in the following Table 3.

Table 3. Summary of Minimum Flexible Pavement Sections

Traffic Index	Asphalt Thickness (in)	Aggregate Base Thickness (in)
7	4.0	4.5
8	5.0	5.0
9	5.5	6.5

5.8.2 Rigid Pavement – Recommended minimum rigid pavement sections, comprising concrete over aggregate base, for the assumed TI range and Type II subgrade soil, are presented in the following Table 4.

Table 4. Summary of Minimum Rigid Pavement Sections

Traffic Index (TI)	Concrete Thickness (in)	Aggregate Base Thickness (in)
7	6.5	8.0
8	7.0	8.0
9	7.0	12.0

Concrete should have a minimum 28-day compressive strength of 3,500 pounds per square inch (psi). Reinforcement, if required by the design engineer, should not be less than structural requirements for shrinkage and temperature. Crack control joints should be placed every 12 to 15 feet in each direction. The modulus of rupture for the pavement sections listed in Table 4, assuming normalweight concrete per ACI 318 Table 19.2.4.2 (i.e., $\lambda = 1.0$), may be estimated at 450 psi. As an alternative, if a modulus of rupture of 530 psi is used, then an 8-inch-thick concrete truck apron underlain by 6 inches of aggregate base may be used.

Aggregate base materials placed beneath flexible and rigid pavement should meet the requirements for Processed Miscellaneous Base presented in Section 200 of the Standard Specifications for Public Works Construction ("Greenbook", 2021), and be placed on a subgrade prepared according to the recommendations in Section 5.1.

5.8.3 Pavement Construction Considerations

Subgrade. After removal of the existing fill, the upper 1 foot of pavement subgrade should be compacted to a minimum of 95 percent of maximum dry unit weight as determined using test method ASTM D1557 (current version).

Aggregate Base. Aggregate base material should be compacted in lifts not exceeding 6 to 8 inches in thickness and to at least 95 percent of maximum dry unit weight as determined using test method ASTM D1557 (current version). As-compacted moisture contents for aggregate base materials should be within 2 percent of the optimum moisture, as determined using test method ASTM D1557 (current version).

Drainage. Proper drainage of the paved and surrounding unpaved areas is essential. Grades should be established to expedite runoff away from pavements and reduce moisture infiltration into the base and subgrade.

5.9 Infiltration Basin Design

In accordance with the CHA's request, we conducted soil percolation testing at the subject site as part of the field exploration program. The purpose of our investigation was to calculate an estimated infiltration rate to be utilized in the design of an infiltration basin that will be constructed in the southeastern portion of the airfield apron. Percolation testing was conducted in 8-inch diameter Borings B-9 and B-13. The maximum BMP depth is estimated to be about 9 and 16 feet from existing and finished grade, respectively (CHA, 2021b). We recommend that the civil

designer apply the appropriate modifiers, reductions, and factors of safety based on the reviewing jurisdiction's requirements. The percolation test hole location is shown on Figure 2. Percolation test method and procedure and logs are presented in Appendix A.

5.9.1 Soil and Groundwater Conditions – Percolation test zone materials ranged in depth from 0 to 10 feet below existing grade and generally consist of loose to medium dense silty sand and sand with varying amounts of silt. Groundwater was not encountered within the percolation test holes. Furthermore, groundwater is not anticipated to adversely impact performance of the infiltration basin during the design life of the BMP.

5.9.2 Field Percolation Rate – Measured percolation rates (inch/hour) from the field testing are presented in the following Table 5.

Table 5. Summary of Field Measured Percolation Rates

Boring / Percolation No.	Location	Percolation Test Zone Depth (ft)	Field Percolation Rates (in/hr.)*
B-9	Southeast area of subject site (see Figure 2)	0 to 10	Reading 1: 3,660 Reading 2: 3,540 Reading 3: 3,480 Reading 4: 2,880 **Average: 3,390**
B-13	Southeast area of subject site (see Figure 2)	0 to 10	Reading 1: 3,960 Reading 2: 3,480 Reading 3: 3,240 Reading 4: 3,420 **Average: 3,525**

*For all readings, the 10-foot deep test holes completely drained in less than two minutes. The field percolation rate was then converted to an estimated drop over a 1-hour period.

Hydraulic conductivities (cm/sec) measured during laboratory falling head testing are presented in the following Table 6.

Table 6. Summary of Hydraulic Conductivity Test Results

Boring / Percolation No.	Depth Below Existing Grade (ft)	Effective Confined Pressure (psi)	Saturated Hydraulic Conductivity (cm/sec.)
B-9	6.0	3.2	1.1×10^{-4}
B-9	8.0	4.1	2.2×10^{-4}
B-13	3.0	3.0	2.5×10^{-4}
B-13	6.0	3.0	6.3×10^{-5}

5.9.3 Design Infiltration Rate – Based on the field and laboratory testing results presented above, we recommend a design infiltration rate of 10 in/hr for the proposed basin. The design infiltration rate is consistent with the soil types encountered within the basin limits.

5.9.4 Geotechnical Considerations – Infiltration will result in wetting of the generally loose to medium dense sandy alluvial soil materials. Water infiltration can cause or exacerbate geotechnical issues, including collapse potential, expansive soil movement, and increased liquefaction hazard. Consolidation testing performed on near surface sandy soils similar to those encountered within the percolation test holes generally showed less than 1/2 percent collapse upon inundation with water, and at a higher overburden stress than should be experienced by the basin soils. The collapse potential of the basin soils is therefore considered to be low.

Saturation of the subsurface soils above the existing groundwater table may occur due to stormwater infiltration. However, due to the primarily loose to medium dense nature and high percolation rates of the sandy alluvial soils adjacent to and below the basin, the potential for localized liquefaction to occur above the groundwater table is low. Please refer to Section 4.3 for a further discussion regarding liquefaction potential at the project site.

5.9.5 Geotechnical Conclusions – Based on the tested percolation rates and deep groundwater, it is our opinion that infiltration onsite should be considered feasible. However, the feasibility of infiltration onsite should be evaluated by the Project Civil Engineer. The field test results are not considered to be design rates; they are specific to the test hole location. Percolation rates may vary in other locations within the infiltration basin footprint.

In our opinion, the subsurface conditions encountered within the current infiltration area should not differ significantly from the conditions encountered in the percolation test holes. However, if the Project Civil Engineer determines that a percolation test should be performed within the current infiltration area, then we will prepare a proposal to conduct additional percolation testing as required.

Long-term sustainable infiltration rates may be affected by several factors, including the degree of saturation of the adjacent ground and the infiltration of potentially finer grained soils into the system. To account for these factors, an appropriate factor of safety should be considered in the application of these rates. The development of the factor of safety should be based upon the more conservative rate obtained and include consideration of the impacts of deteriorated performance, life/health safety issues and should anticipate that the rates established in these tests

may be reduced over time. Final selection of the appropriate reduction coefficients and factors of safety should be made by the Project BMP Designer based on the local laws and ordinances and desired level of conservatism.

Based on the soils encountered in our test holes, we expect that the percolation rates of the soils could be different than measured in the field due to variations in fines content. This expected variability in infiltration rates should be accounted for in determining the design elevation and size of the proposed infiltration system.

Infiltration testing should be performed after construction of the infiltration system to verify the design infiltration rates. Siltation and vegetation growth, along with other factors, may affect the infiltration rates of the basin area. Actual infiltration rates may vary from the values reported here. Infiltration systems should be located at least 10 feet from any existing or proposed foundation system.

5.10 Technical Review

Supplemental geotechnical design recommendations should be provided by our firm based on specific design needs developed by the other project design professionals. This report, and any supplemental recommendations, should be reviewed by the contractor as part of the bid process. It is strongly recommended that no construction be started nor grading undertaken until the final drawings, specifications, and calculations have been reviewed and approved in writing by a representative of our firm.

5.11 Earthwork Construction Inspection and Testing

All excavations including foundations and pier drilling should be inspected by a representative of our firm prior to placing rebar, backfilling, and/or pouring concrete foundations. Any grading should also be inspected and tested as appropriate to confirm adequate stripping, subgrade preparation, and compaction. Our office should be contacted with a minimum of 48 hours advance notice of construction activities requiring inspection and/or testing services.

6.0 INVESTIGATION LIMITATIONS

Our services consist of professional opinions and recommendations made in accordance with generally accepted engineering geology and geotechnical engineering principles and practices. No warranty, express or implied, of merchantability or fitness, is made or intended in connection with our work, by the proposal for consulting or other services, or by the furnishing of oral or written reports or findings.

This report has been prepared for the exclusive use of the South Airport Cargo Center and their authorized agents for design considerations for the proposed South Airport Cargo Center at Ontario International Airport in Ontario, California. This report is issued with the understanding that it is the responsibility of the owner, or of their representative, to ensure that the information and recommendations contained herein are called to the attention of the project architect and/or engineer and incorporated into the design plans, as appropriate.

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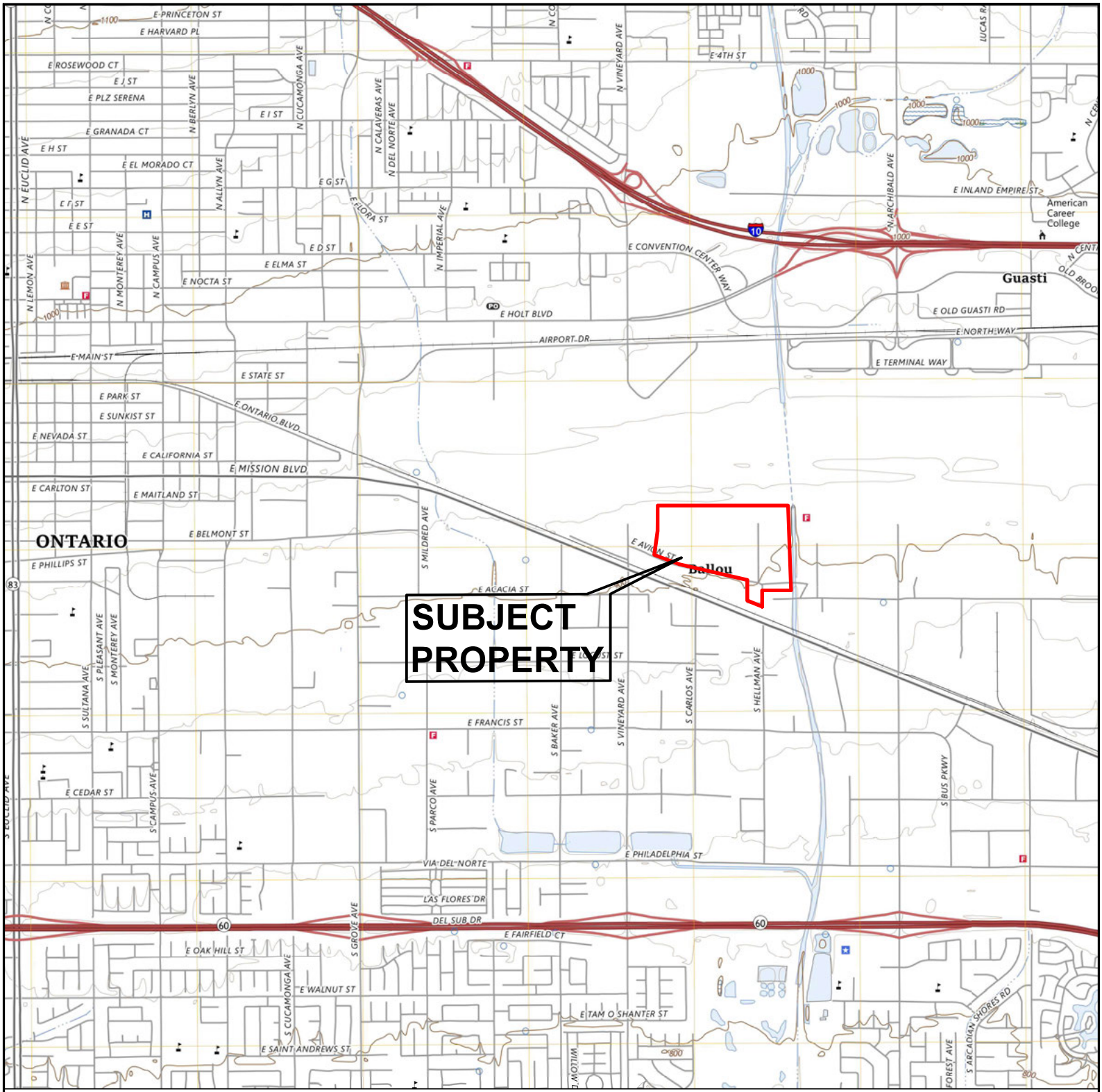
_____ (2018b), U.S. Quaternary Fault database website:

https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=5a6038b3a1684561a9b0aadf88412fcf.

_____ (2014), BSSC2014 (Scenario Catalog), https://earthquake.usgs.gov/scenarios/catalog/bssc2014/.

Walker Consultants (2018), Geotech Information Checklist, August.

FIGURES



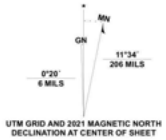
Reference: USGS Topographic Map of the Ontario and Guasti 7.5' Quadrangle, Ontario,California; Dated 2022

0 1/2 mi 1 mi

1" = 1/2 mi

N





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Site Vicinity Map
SACC at OIAA
ONTARIO, CALIFORNIA

GEO/ENG BY	SCALE	PROJECT NO.
GH	1" = 1/2 mi	SC6101
APPROVED BY	DATE	FIGURE NO.
MJJ	June 2022	1

RUNWAY 8R-26L

SERVICE ROAD

SERVICE ROAD

PHASE 2

PHASE 1

APRON/AIRCRAFT PARKING GATES

MAIN SORT FACILITY

TRUCK YARD

OFFICE

BRIDGE

INFILTRATION BASIN

VEHICLE PARKING GARAGE

AIR TRAFFIC CONTROL TOWER

AIRPORT MAINTENANCE BUILDINGS

E. AVION ST.

(N) AVION ST.

AVION PL.

MISSION BLVD.

UNION PACIFIC RAILROAD METROLINK

CUCAMONGA CHANNEL

A

A'

B

B'

C

C'

B-1 B-2 B-3 B-4 B-5 B-6 B-7 B-8 B-9 B-10 B-11 B-12 B-13 B-14 B-15 B-16 B-17 B-18 B-19 B-20 B-21 B-22 B-23 B-24 B-25 B-26 B-27 B-28 B-29 B-30 B-31 B-32 B-33 B-34 B-35 B-36 B-37 B-38 B-39 B-40 B-41 B-42 B-43 B-44 B-45 B-47 B-48 B-49 B-50 B-51 B-52 B-53 B-54 B-55 B-56 B-57 B-58 B-59 B-60 B-61 B-62 B-63 B-64 B-65 B-66 B-67 B-68 B-69 B-70 B-71 B-72 B-73 B-74 B-75 B-76 B-77 B-78 B-79 B-80 B-81 B-82 B-83 B-84 B-85 B-86 B-87

LEGEND

- Project Limits
- B-87 — Hollow-Stem Auger Boring, CSA 2022
- B-9 / B-13 — Percolation Test Boring, CSA 2022
- C — C' — Engineering Geologic Cross Section
- Proposed Pavement
- Proposed Building Footprint
- Proposed Infiltration Basin

Note: Proposed development derived from the "Drainage Plan" produced by CHA, dated September 2021 (updated February 2022). Base Image obtained from Nearmap Imagery, dated January 2022.

N

0 125 250 Feet

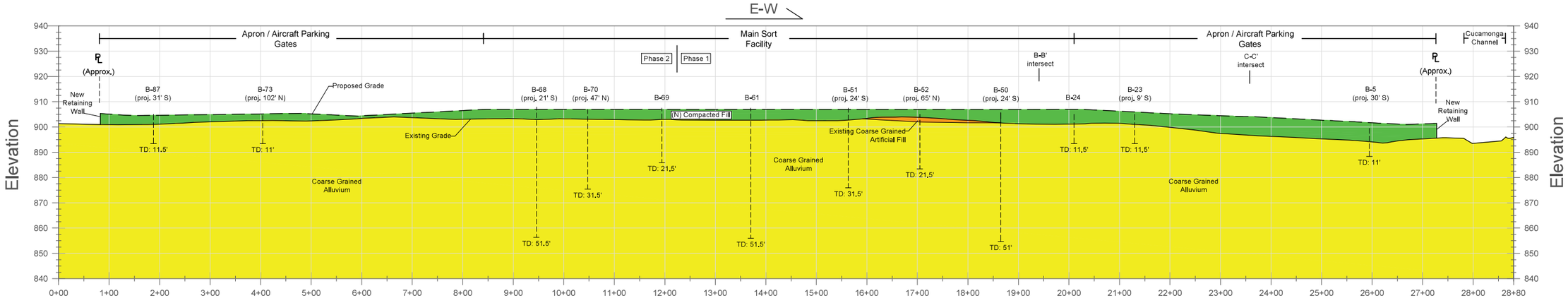
COTTON, SHIRES AND ASSOCIATES, INC.
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Site Exploration Map

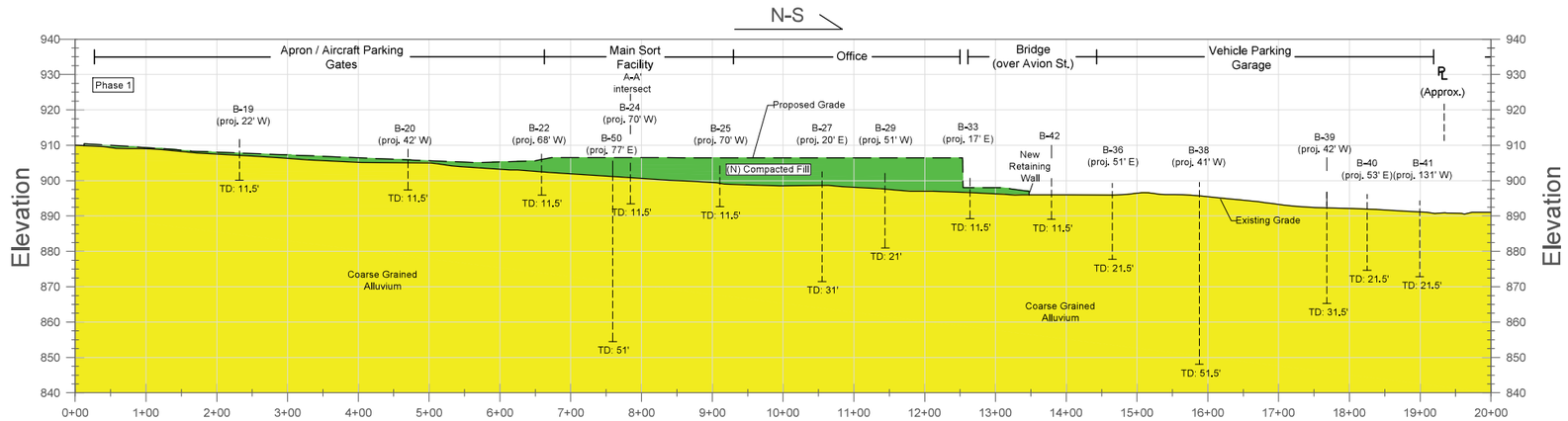
SACC at OIAA

ONTARIO, CALIFORNIA

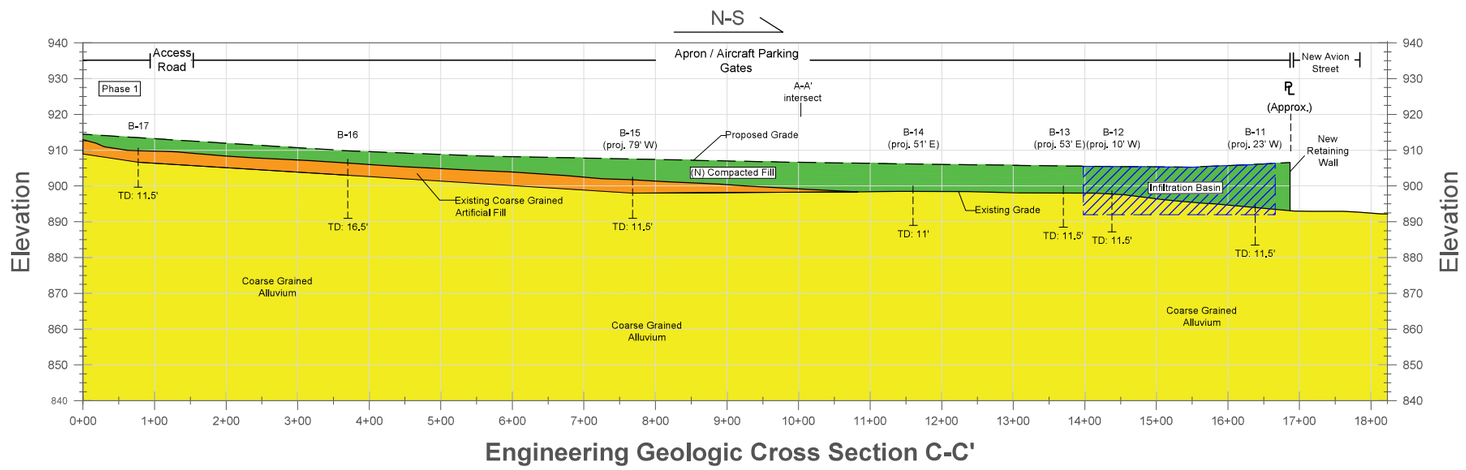
GEO/ENG BY	SCALE	PROJECT NO.
GH	1" = 120'	SC6101
APPROVED BY	DATE	FIGURE NO.
MJJ	June 2022	2



Engineering Geologic Cross Section A-A'



Engineering Geologic Cross Section B-B'



Engineering Geologic Cross Section C-C'

0 100' 200' 400' H

0 20' 40' 80' V

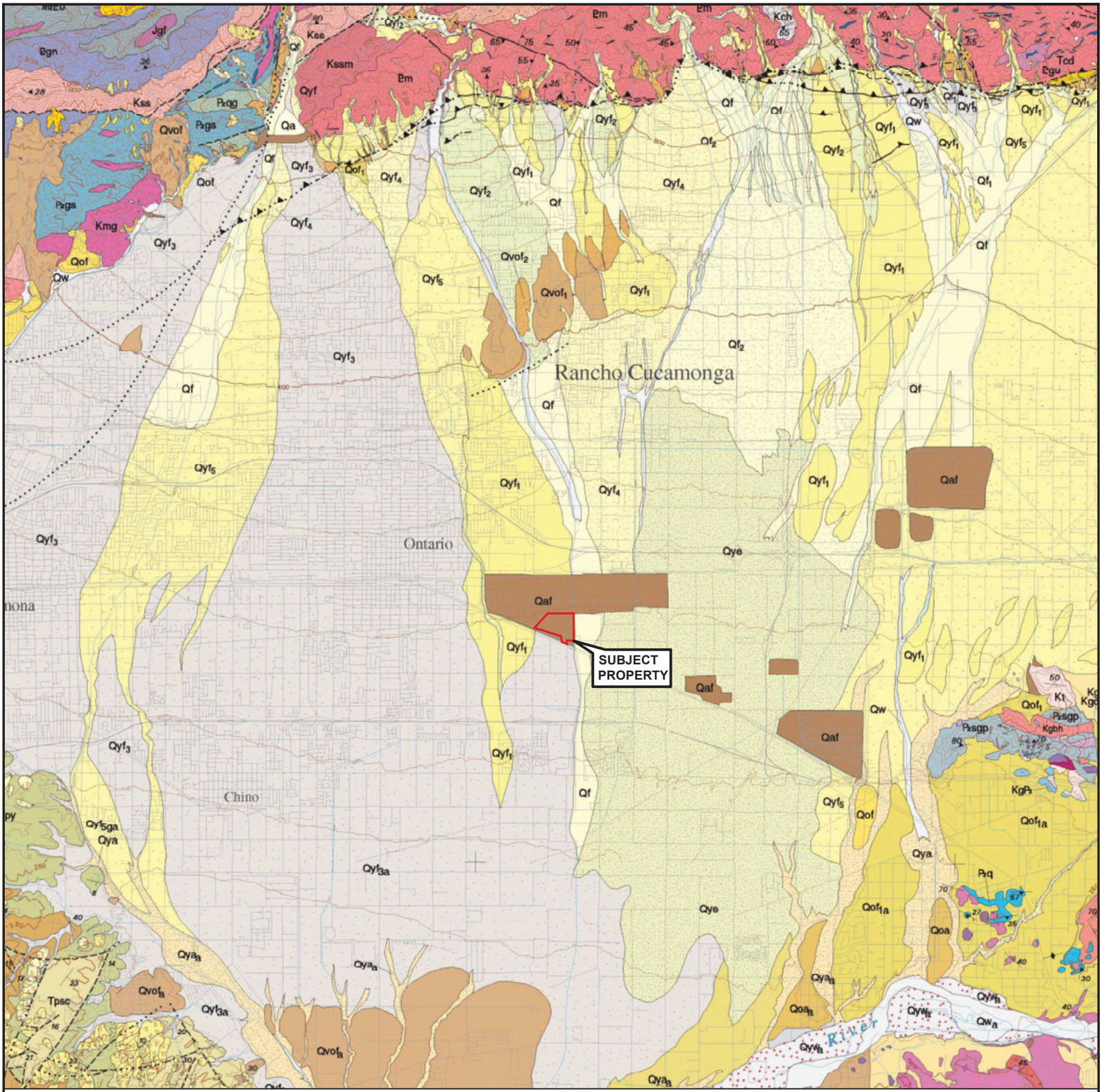
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Engineering Geologic Cross Sections A-A' to C-C'

SACC at OIAA

ONTARIO, CALIFORNIA

GEO/ENG BY	SCALE	PROJECT NO.
GH	1"=100' H : 1"=20' V	SC6101
APPROVED BY	DATE	FIGURE
MJJ	June 2022	3



Reference: Geologic Map of the San Bernardino and Santa Ana 7.5' Quadrangle, San Bernardino, California,
by Morton, D.M., and Miller, F.K., 2006

0 1 mi 2 mi

1" = 1 mi

N

EXPLANATION:

- Qaf - Aritificial Fill (late Holocene)
- Qf - Very young alluvial-fan deposits (late Holocene)
- Qyf3 - Young alluvial-fan deposits, Unit 3 (middle Holocene)
- Qyf2 - Young alluvial-fan deposits, Unit 2 (middle Holocene)
- Qyf1 - Young alluvial-fan deposits, Unit 1 (middle Holocene)
- Qye - Young eolian deposits (Holocene and late Pleistocene)

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Regional Geologic Map
SACC at OIAA
ONTARIO, CALIFORNIA

GEO/ENG BY	SCALE	PROJECT NO.
GH	1" = 1 mi	SC6101
APPROVED BY	DATE	FIGURE NO.
MJJ	June 2022	4

APPENDIX A
FIELD EXPLORATION

APPENDIX A – FIELD EXPLORATION

HOLLOW-STEM AUGER BORINGS

CSA performed a subsurface exploration program in January 2022 consisting of eighty-six (86) exploratory hollow-stem auger borings within the proposed improvement areas. The borings were excavated by means of truck-mounted drill rig equipped with 8-inch diameter hollow-stem augers provided by Choice Drilling of Sylmar, California. The existing concrete apron was cored prior to excavation of borings B-15 and B-16 by United Coring of Riverside, California. The locations of the borings are shown on Figures 2 and 3. A CSA staff geologist logged the borings under the direct supervision of a registered geotechnical engineer and visually classified the soils in accordance with ASTM D-2487. Both bulk and relatively undisturbed and disturbed samples were obtained of the materials encountered at selected depths. The undisturbed samples were obtained in brass liners that were 2.5 inches in outside diameter and 6 inches long; the liners were inside a 3-inch diameter modified split-barrel California Sampler. The disturbed samples were obtained with an SPT sampler that was 2 inches in outside diameter. Both samplers were driven by an automatic, 140-pound hammer that was dropped 30 inches.

The borings were excavated between January 18 and January 27, 2022 and ranged in depths from about 6 to 51.5 feet bgs. Logs of the borings are presented as Figures A-1 through A-86. The logs depict our interpretation of the subsurface conditions at the date and location indicated based on representative samples collected at roughly two- to five-foot sampling intervals. It is not warranted that they are representative of subsurface conditions at other times and locations. The contacts on the log represent the approximate boundaries between earth materials, and the transitions between these materials may be gradual.

PERCOLATION TESTING

To measure field percolation rate, two 8-inch diameter percolation test holes (B-9) and (B-13) were excavated between January 18 and January 24, 2022, utilizing a truck-mounted hollow-stem-auger drill rig to a depth of 11.5 feet bgs. Each percolation test hole was backfilled with cuttings to a depth of 10 feet, and then slotted PVC pipe and #3 washed sand between 10 feet and the ground surface. Prior to field testing, each percolation test hole was pre-soaked, and the water completely drained from each hole within two minutes. Following the pre-soak, each test hole was filled to the top of the testing zone and the drop in water was measured until there was no water left in the hole. After every reading, the water level was refilled to the top of the testing zone. A total of four (4) readings were conducted for each test hole. Water depth

measurements were taken to the nearest 0.01-inch increment using an electronic water sounder. Upon completion of testing, the PVC casing was removed, and the test hole was backfilled with soil cuttings to the ground surface. The percolation test hole locations are shown on Figures 2 and 3. The logs of the percolation test holes B-9 and B-13 are presented as Figures A-9 and A-13. Measured percolation rates (inch/hour) from the field testing are presented in the Infiltration Basin Design section of the main report.

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Overcast, Chill **Boring:** B-1

Location: Apron **Ground Surface Elev.:** 907.5' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/19/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
907	0			Pavement: 6" AC over 6" AB						
906	1			**Alluvium:**						
905	2			Silty sand (SM); brown, moist, loose to medium dense, fine grained, light oxidation	R1	113.7	9.5	21	MC	Fines: 31.7 %
904	3									
903	4		SM							
902	5				R2	114.2	14.9	14	MC	
901	6									
900	7			Sand (SP); tan, moist, very dense, medium to coarse grained	R3	114.1	5.1	50/6	SPT	
899	8									
898	9		SP							
897	10			-- trace fine subrounded gravel, at 10 feet.	R4	112.8	3	52	MC	
896	11									
895	12			TD: 11.5 feet						
894	13			No groundwater encountered.						
893	14			Boring backfilled w/ cuttings, and						
892	15			capped w/ concrete and black dye at the surface.						
891	16									
890	17									
889	18									
888	19									
887	20									
886	21									
885	22									
884	23									
883	24									
882	25									
881	26									
880	27									
879	28									
878	29									
877	30									
876	31									
875	32									
874	33									
873	34									
	35									

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Figure No.: A-1

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Hazy, Cool **Boring:** B-2

Location: Apron **Ground Surface Elev.:** 906.4' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/19/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
906	0			Pavement: 4" AC over 7" AB						
905	1			**Alluvium**:						
904	2			Silty sand (SM); brown, moist, very dense, fine grained,						
903	3		SM	light oxidation; trace fine subrounded gravel, at 2 feet.						
902	4				R1	120.1	5.2	50/6	MC	
901	5									
900	6			TD: 6 feet						
899	7			No groundwater encountered.						
898	8			Boring backfilled w/ cuttings, and						
897	9			capped w/ cold patch asphalt at the surface.						
896	10									
895	11									
894	12									
893	13									
892	14									
891	15									
890	16									
889	17									
888	18									
887	19									
886	20									
885	21									
884	22									
883	23									
882	24									
881	25									
880	26									
879	27									
878	28									
877	29									
876	30									
875	31									
874	32									
873	33									
872	34									
	35									

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Figure No.: A-2

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Cloudy, Warm **Boring:** B-3
Location: Apron **Ground Surface Elev.:** 903.2' **Hole Diameter:** 8" **Project No.:** SC6101
Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/19/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
903				Pavement: 4" AC over 2" AB						
902	1			**Alluvium:**						
901	2			Sand w/ silt (SP-SM); brown, moist, medium dense, fine grained, light oxidation	R1	102.2	3.3	27	MC	Fines: 5.2 %
900	3									
899	4									
898	5				R2	123.2	12.4	33	MC	
897	6		SP-SM							
896	7			-- tan, dense, medium grained, at 7 feet.	R3	121.5	2.2	52	MC	
895	8									
894	9									
893	10			--trace fine to medium subrounded gravel, at 10 feet.	R4	119.4	2.1	65	MC	
892	11									
891	12			TD: 11.5 feet						
890	13			No groundwater encountered.						
889	14			Boring backfilled w/ cuttings, and						
888	15			capped w/ concrete and black dye at the surface.						
887	16									
886	17									
885	18									
884	19									
883	20									
882	21									
881	22									
880	23									
879	24									
878	25									
877	26									
876	27									
875	28									
874	29									
873	30									
872	31									
871	32									
870	33									
869	34									
	35									

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Figure No.: A-3

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Hazy, Cool **Boring:** B-4

Location: Apron **Ground Surface Elev.:** 901.9' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/19/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
				Pavement: 4" AC over 4" AB						
901	1		ML	**Alluvium:** Sandy silt (ML); mottled tan to brown, moist, medium stiff, fine grained, heavy oxidation						
900	2									
899	3				R1	110.4	13.2	27	MC	Fines: 53.6 %
898	4									
897	5		SM	Silty sand (SM); mottled tan to brown, moist, medium dense, fine grained, heavy oxidation; trace gravel						
896	6				R2	117.2	6.9	22	MC	
895	7									
894	8				R3	115	7.9	24	MC	
893	9									
892	10		SP-SM	Sand w/ silt and gravel (SP-SM); tan, moist, dense, medium grained, trace fine subangular gravel						
891	11				R4	125.3	1.9	40 50/5	MC	
890	12			TD: 11 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ concrete and black dye at the surface.						
889	13									
888	14									
887	15									
886	16									
885	17									
884	18									
883	19									
882	20									
881	21									
880	22									
879	23									
878	24									
877	25									
876	26									
875	27									
874	28									
873	29									
872	30									
871	31									
870	32									
869	33									
868	34									
867	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-4

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-5

Location: Apron **Ground Surface Elev.:** 898.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/19/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
898	0			Pavement: 4" AC over 4" AB						
897	1		SM	**Fill:** Silty sand (SM); brown, moist, medium dense, fine grained, light oxidation						
896	2				R1	118.5	8.9	37	MC	Fines: 30.3 %
895	3									
894	4		SM	**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained, light oxidation						
893	5				R2	122.7	10.2	19	MC	
892	6									
891	7		SP-SM	Sand w/ silt (SP); brown, moist, dense, medium grained, trace fine subrounded gravel	R3	118.6	8.3	28 50/3	MC	
890	8									
889	9									
888	10			-- fine to coarse gravel, angular fragments, at 10.5 feet.	R4	125.3	1.9	30 50/6	MC	
887	11			TD: 11 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ concrete and black dye at the surface.						
886	12									
885	13									
884	14									
883	15									
882	16									
881	17									
880	18									
879	19									
878	20									
877	21									
876	22									
875	23									
874	24									
873	25									
872	26									
871	27									
870	28									
869	29									
868	30									
867	31									
866	32									
865	33									
864	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-5

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Int. cloudy, Warm **Boring:** B-6

Location: Apron **Ground Surface Elev.:** 897.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/19/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
897				Pavement: 4" AC over 4" AB						
896	1		SM	**Fill:** Silty sand (SM); brown, moist, medium dense, fine grained, glass fragment at 2.5 feet						
895	2				R1	117.9	9.1	35	MC	
894	3									
893	4		SM	**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine to medium grained, light oxidation						
892	5				R2	116.1	8.6	32	MC	
891	6									
890	7			-- increased fine grained sand, at 7 feet.	R3	122.4	8.9	30	MC	
889	8									
888	9		SM	Sand (SP); tan, moist, medium dense, medium grained						
887	10				R4	101.9	1.9	28	MC	
886	11			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at the surface.						
885	12									
884	13									
883	14									
882	15									
881	16									
880	17									
879	18									
878	19									
877	20									
876	21									
875	22									
874	23									
873	24									
872	25									
871	26									
870	27									
869	28									
868	29									
867	30									
866	31									
865	32									
864	33									
863	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
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Figure No.: A-6

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Cloudy, Warm **Boring:** B-7
Location: Apron **Ground Surface Elev.:** 898.9' **Hole Diameter:** 8" **Project No.:** SC6101
Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/18/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
898	1			**Alluvium:**						
897	2			Silty sand (SM); brown, moist, medium dense, fine grained						
896	3				R1	108.2	11.3	23	MC	
895	4									
894	5									
893	6		SM		R2	105.4	2.8	23	MC	
892	7									
891	8			-- increased fine grained sand, at 7 feet.	R3	115.6	3.4	56	MC	
890	9									
889	10									
888	11				R4	109.8	2.3	52	MC	
887	12		SP	Sand (SP); tan, moist, dense, fine grained trace coarse gravel						
886	13			TD: 11.5 feet						
885	14			No groundwater encountered.						
884	15			Boring backfilled w/ cuttings.						
883	16									
882	17									
881	18									
880	19									
879	20									
878	21									
877	22									
876	23									
875	24									
874	25									
873	26									
872	27									
871	28									
870	29									
869	30									
868	31									
867	32									
866	33									
865	34									
864	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-7

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Cloudy, Cool **Boring:** B-8
Location: Apron **Ground Surface Elev.:** 897.6' **Hole Diameter:** 8" **Project No.:** SC6101
Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/18/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
897	1		SM	**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained						
896	2									
895	3				R1	110	9.1	27	MC	
894	4									
893	5			-- increase fine grained sand, at 5 feet.						
892	6				R2	109.2	2.4	32	MC	
891	7									
890	8			-- increase medium grained sand; trace fine gravel, light oxidation, at 7 feet.	R3	116.9	1.9	26	MC	
889	9									
888	10									
887	11		SP	Sand (SP); tan, moist, medium dense, fine to medium grained, trace fine to medium subangular gravel						
886	12				R4	126.4	0.7	41	MC	
885	13			TD: 13 feet No groundwater encountered. Boring backfilled w/ cuttings.						
884	14									
883	15									
882	16									
881	17									
880	18									
879	19									
878	20									
877	21									
876	22									
875	23									
874	24									
873	25									
872	26									
871	27									
870	28									
869	29									
868	30									
867	31									
866	32									
865	33									
864	34									
863	35									

Figure No.: A-8

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-9

Location: Apron **Ground Surface Elev.:** 894.9' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/24/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
894	1		SM	**Alluvium:** Silty sand (SM); brown, moist, loose, fine grained	B1		4.8			
893	2									
892	3				R1	105.4	1.3	14	MC	
891	4									
890	5		SP-SM	Sand w/ silt (SP-SM); tan to brown, moist, loose, fine to medium grained						
889	6				R2	104.8	6.7	9	MC	
888	7			-- trace fine subrounded gravel, light oxidation, at 7 feet.						
887	8				R3	100.8	6	11	MC	
886	9									
885	10		SP	Sand (SP); tan, moist, dense, medium grained, trace fine subangular gravel						
884	11				R4	120.9	5.3	47	MC	
883	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
882	13									
881	14									
880	15									
879	16									
878	17									
877	18									
876	19									
875	20									
874	21									
873	22									
872	23									
871	24									
870	25									
869	26									
868	27									
867	28									
866	29									
865	30									
864	31									
863	32									
862	33									
861	34									
860	35									



Bulk: 0-5'

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-9

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-10

Location: Apron **Ground Surface Elev.:** 893.9' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/24/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
893	1			Pavement: 4" AC (no base):						Bulk: 1-5'
892	2			**Alluvium:**						Fines: 29.2 %
891	3			Silty sand (SM); brown, moist, loose to medium dense, fine grained	R1	112.3	8.9	15	MC	
890	4									
889	5		SM							
888	6				R2	115.3	10.5	15	MC	Fines: 37.7 %
887	7									
886	8				R3	111.5	10.2	17	MC	
885	9									
884	10		SP	Sand (SP); tan, moist, dense; trace fine subangular gravel						
883	11				R4	122.3	2.3	48	MC	
882	12			TD: 11.5 feet						
881	13			No groundwater encountered.						
880	14			Boring backfilled w/ cuttings.						
879	15									
878	16									
877	17									
876	18									
875	19									
874	20									
873	21									
872	22									
871	23									
870	24									
869	25									
868	26									
867	27									
866	28									
865	29									
864	30									
863	31									
862	32									
861	33									
860	34									
859	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-10

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-11

Location: Apron **Ground Surface Elev.:** 895.3' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/25/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
895	0			Pavement: 3" AC (no base):	B1		6.1			Bulk: 1-5'
894	1			**Alluvium:**						Fines: 25.5 %
893	2			Silty sand (SM); brown, moist, loose to medium dense, fine grained						
892	3				R1	109.8	9.2	16	MC	
891	4									
890	5		SM							
889	6				R2	118.9	11.3	23	MC	
888	7									
887	8			-- medium grained sand; trace fine subangular to angular gravel, at 7 feet.	R3	109.5	4.8	32	MC	
886	9									
885	10		SP-SM	Sand w/ silt and gravel (SP-SM); tan, moist, medium dense, medium grained, fine subangular gravel						
884	11				R4	125.5	1.6	38	MC	
883	12			TD: 11.5 feet						
882	13			No groundwater encountered.						
881	14			Boring backfilled w/cuttings.						
880	15									
879	16									
878	17									
877	18									
876	19									
875	20									
874	21									
873	22									
872	23									
871	24									
870	25									
869	26									
868	27									
867	28									
866	29									
865	30									
864	31									
863	32									
862	33									
861	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-11

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-12

Location: Apron **Ground Surface Elev.:** 898.3' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/18/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
898				Pavement: 3" AC over 3" AB						
897	1			**Alluvium:**						
896	2			Silty sand (SM); brown, moist, loose to medium dense, fine grained						
895	3				R1	105.7	6.7	15	MC	Fines: 18.0 %
894	4									
893	5		SM							
892	6			-- trace fine subrounded gravel, at 6 feet.	R2	105.6	4.8	17	MC	Fines: 26.8 %
891	7									
890	8				R3	113.6	7.6	23	MC	
889	9			Sand w/ silt and gravel (SP-SM); tan, moist, medium dense, medium grained, fine subangular gravel						
888	10		SP-SM		R4	116.8	2.5	26	MC	
887	11									
886	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
885	13									
884	14									
883	15									
882	16									
881	17									
880	18									
879	19									
878	20									
877	21									
876	22									
875	23									
874	24									
873	25									
872	26									
871	27									
870	28									
869	29									
868	30									
867	31									
866	32									
865	33									
864	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-12

COTTON, SHIRES AND ASSOCIATES, INC.

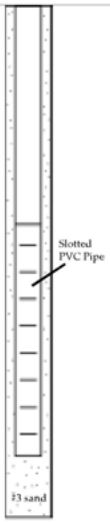
LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Overcast, Cold **Boring:** B-13

Location: Apron **Ground Surface Elev.:** 900.0' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/18/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
900				Pavement: 3" AC over 2" AB:						
899	1			**Alluvium:**						
898	2			Silty sand (SM); brown, moist, medium dense, fine grained						
897	3				R1	103.8	6.3	24	MC	
896	4									
895	5									
894	6		SM	-- trace fine subrounded gravel, at 6 feet	R2	94.4	3.7	16	MC	
893	7									
892	8				R3	111.6	7	19	MC	
891	9									
890	10									
889	11				R4	110.8	2.8	30	MC	
888	12			TD: 11.5 feet						
887	13			No groundwater encountered.						
886	14			Boring backfilled w/cuttings, and capped w/ cold patch asphalt at surface.						
885	15									
884	16									
883	17									
882	18									
881	19									
880	20									
879	21									
878	22									
877	23									
876	24									
875	25									
874	26									
873	27									
872	28									
871	29									
870	30									
869	31									
868	32									
867	33									
866	34									
865	35									



COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-13

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-14
Location: Apron **Ground Surface Elev.:** 900.4' **Hole Diameter:** 8" **Project No.:** SC6101
Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
900	0			Pavement: 2" AC over 2" AB:						
899	1			**Alluvium:**						
898	2		SM	Silty sand (SM); brown, moist, medium dense, fine grained	R1	111.4	7	20	MC	
897	3									
896	4									
895	5		SP-SM	Sand w/ silt and gravel (SP-SM); tan, moist, medium dense to dense, medium to coarse grained, fine to medium subangular gravel, at 7.5 feet	R2	116.4	1.7	30	MC	
894	6									
893	7									
892	8									
891	9									
890	10				R3	131.4	1.8	40 50/6	MC	
889	11			TD: 11.0 feet No groundwater encountered. Boring backfilled w/cuttings, and capped w/ cold patch asphalt at surface.						
888	12									
887	13									
886	14									
885	15									
884	16									
883	17									
882	18									
881	19									
880	20									
879	21									
878	22									
877	23									
876	24									
875	25									
874	26									
873	27									
872	28									
871	29									
870	30									
869	31									
868	32									
867	33									
866	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-14

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Cool **Boring:** B-15

Location: Apron **Ground Surface Elev.:** 902.6' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/19/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
902	0			Pavement: 8" AC (no base):	B1		4.8			Bulk: 1-5' Fines: 21.7 %
901	1		SM	**Fill:** Silty sand (SM); brown, moist, dense, fine to medium grained, light oxidation; trace gravel	R1	116.4	6.9	47	MC	
900	2									
899	3				R2	111.3	3.9	52	MC	
898	4									
897	5		SM	**Alluvium:** Silty sand (SM); brown, moist, medium dense, medium grained, light oxidation	R3	121.3	9.9	22	MC	
896	6									
895	7			-- coarse grained sand, at 7 feet.	R4	113.3	4.6	31	MC	
894	8									
893	9		SP	Sand (SP); tan, moist, dense, medium grained						
892	10				R5	106.6	5.2	47	MC	
891	11									
890	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ concrete at surface.						
889	13									
888	14									
887	15									
886	16									
885	17									
884	18									
883	19									
882	20									
881	21									
880	22									
879	23									
878	24									
877	25									
876	26									
875	27									
874	28									
873	29									
872	30									
871	31									
870	32									
869	33									
868	34									
	35									

Figure No.: A-15

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Cloudy, Warm **Boring:** B-16
Location: Apron **Ground Surface Elev.:** 907.9' **Hole Diameter:** 8" **Project No.:** SC6101
Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/19/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
907	0			Pavement: 8" AC (no base):	B1		6.5			Bulk: 1-5' Fines: 33.6 %
907	1		SM	**Fill:** Silty sand (SM); brown, moist, medium dense to dense, fine to medium grained	R1	115.2	7.2	51	MC	
906	2									
905	3				R2	115.2	7.6	39	MC	
904	4									
903	5		SM	**Alluvium:** Silty sand (SM); brown, moist, medium dense, medium grained	R3	111.1	9.6	21	MC	Fines: 32.6 %
902	6									
901	7		SP-SM	Sand w/ silt and gravel (SP-SM); tan, moist, very dense, fine to coarse grained, fine to medium subrounded gravel, at 7 feet.						
900	8									
899	9									
898	10									
897	11				S1			30 50/6	SPT	
896	12									
895	13		SM	Silty sand (SM); brown, moist, medium dense, fine grained, light oxidation						
894	14									
893	15									
892	16				S2			31	MC	
891	17			TD: 16.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ concrete at surface.						
890	18									
889	19									
888	20									
887	21									
886	22									
885	23									
884	24									
883	25									
882	26									
881	27									
880	28									
879	29									
878	30									
877	31									
876	32									
875	33									
874	34									
873	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-16

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Cool **Boring:** B-17

Location: Apron **Ground Surface Elev.:** 911.4' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/24/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
911	0			Pavement: 4" AC (no base)						
910	1			**Fill:**						
909	2		SM	Silty sand (SM); brown, moist, loose, fine grained, trace asphalt debris	R1	119	9.8	39	MC	
908	3									
907	4			**Alluvium:**						
906	5			Silty sand (SM); brown, moist, medium dense, fine grained	R2	113.3	13.1	15	MC	
905	6		SM							
904	7									
903	8									Fines: 39.8 %
902	9			Sand (SP); tan, moist, very dense, medium grained						
901	10		SP		R3	127.4	2.2	37 50/5	MC	
900	11			TD: 11 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
899	12									
898	13									
897	14									
896	15									
895	16									
894	17									
893	18									
892	19									
891	20									
890	21									
889	22									
888	23									
887	24									
886	25									
885	26									
884	27									
883	28									
882	29									
881	30									
880	31									
879	32									
878	33									
877	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-17

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Cool **Boring:** B-18

Location: Apron **Ground Surface Elev.:** 914.3' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/19/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
914	0			Pavement: 6" AC over 10" AB						
913	1									
912	2		SM	**Fill:** Silty sand (SM); brown, moist, medium dense to dense, fine grained	R1	112.1	10	45	MC	Fines: 36.4 %
911	3									
910	4									
909	5		SM	Alluvium: Silty sand (SM); brown, moist, loose to medium dense, fine grained	R2	125.2	16.3	12	MC	
908	6									
907	7									
906	8									
905	9									
904	10			-- medium dense, at 10 feet.	R3	110.1	14.7	20	MC	
903	11									
902	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
901	13									
900	14									
899	15									
898	16									
897	17									
896	18									
895	19									
894	20									
893	21									
892	22									
891	23									
890	24									
889	25									
888	26									
887	27									
886	28									
885	29									
884	30									
883	31									
882	32									
881	33									
880	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-18

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-19

Location: Apron **Ground Surface Elev.:** 911.7' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
911	1		SM	**Alluvium:** Silty sand (SM); brown, moist, loose to medium dense, fine grained						
910	2									
909	3				R1	113.2	9.1	21	MC	Fines: 25.1 %
908	4									
907	5									
906	6				R2	114.3	13.7	9	MC	
905	7									
904	8				R3	114.1	13.7	19	MC	
903	9									
902	10									
901	11				R4	114	13.9	25	MC	
900	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
899	13									
898	14									
897	15									
896	16									
895	17									
894	18									
893	19									
892	20									
891	21									
890	22									
889	23									
888	24									
887	25									
886	26									
885	27									
884	28									
883	29									
882	30									
881	31									
880	32									
879	33									
878	34									
877	35									

Figure No.: A-19

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-20

Location: Apron **Ground Surface Elev.:** 908.9' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
908	1			**Alluvium:** Silty sand (SM); brown, moist, loose to medium dense, fine grained						
907	2									
906	3				R1	104.4	10.1	14	MC	Fines: 29.7 %
905	4									
904	5									
903	6		SM		R2	106.4	12.2	9	MC	Fines: 31.2 %
902	7									
901	8				R3	111.8	16.6	18	MC	
900	9									
899	10									
898	11				R4	117.6	14	26	MC	
897	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/cuttings.						
896	13									
895	14									
894	15									
893	16									
892	17									
891	18									
890	19									
889	20									
888	21									
887	22									
886	23									
885	24									
884	25									
883	26									
882	27									
881	28									
880	29									
879	30									
878	31									
877	32									
876	33									
875	34									
874	35									

Figure No.: A-20

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-21

Location: Apron **Ground Surface Elev.:** 907.1' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
907				**Alluvium:**						
906	1			Silty sand (SM); brown, moist, loose, fine grained						
905	2		SM							
904	3				R1	98.5	6.2	11	MC	Fines: 15.5 %
903	4			Sand w/ silt (SP-SM); brown, moist, loose, fine to medium grained						
902	5		SP-SM							
901	6				R2	99.9	5.4	14	MC	Fines: 10.9 %
900	7									
899	8			Silty sand (SM); brown, moist, loose to medium dense, fine grained, light oxidation, trace fine to coarse subrounded gravel	R3	109.7	10	12	MC	Fines: 34.9 %
898	9		SM							
897	10									
896	11				R4	127.2	7.5	35	MC	
895	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/cuttings.						
894	13									
893	14									
892	15									
891	16									
890	17									
889	18									
888	19									
887	20									
886	21									
885	22									
884	23									
883	24									
882	25									
881	26									
880	27									
879	28									
878	29									
877	30									
876	31									
875	32									
874	33									
873	34									
	35									

Figure No.: A-21

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-22

Location: Main Sort Facility **Ground Surface Elev.:** 907.1' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
907				**Alluvium:**						
906	1			Silty sand (SM); brown, moist, loose, fine grained						
905	2		SM							
904	3				R1	105	7.6	13	MC	
903	4									
902	5			Sand w/ silt (SP-SM); brown, moist, loose, fine to medium grained						
901	6		SP-SM		R2	107.6	6.7	13	MC	
900	7									
899	8			Silty sand (SM); brown, moist, loose to medium dense, fine grained, light oxidation, trace fine subrounded gravel						
898	9		SM							
897	10									
896	11				R3	123.9	8.5	56	MC	
895	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
894	13									
893	14									
892	15									
891	16									
890	17									
889	18									
888	19									
887	20									
886	21									
885	22									
884	23									
883	24									
882	25									
881	26									
880	27									
879	28									
878	29									
877	30									
876	31									
875	32									
874	33									
873	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-22

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-23

Location: Apron **Ground Surface Elev.:** 905.5' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
905	0									
904	1			**Alluvium:** Silty sand (SM); brown, moist, loose to medium dense, fine grained						
903	2				R1	107.9	6.7	12	MC	Fines: 15.5 %
902	3									
901	4				R2	118.5	9.4	16	MC	Fines: 34.2 %
900	5		SM							
899	6				R3	119.1	5.9	37	MC	
898	7									
897	8				R4	125.4	5.4	72	MC	
896	9									
895	10			-- very dense, at 10 feet.						
894	11									
893	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
892	13									
891	14									
890	15									
889	16									
888	17									
887	18									
886	19									
885	20									
884	21									
883	22									
882	23									
881	24									
880	25									
879	26									
878	27									
877	28									
876	29									
875	30									
874	31									
873	32									
872	33									
871	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-23

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-24

Location: Main Sort Facility **Ground Surface Elev.:** 905.4' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
905	0									
904	1		SM	**Alluvium:** Silty sand (SM); brown, moist, loose to dense, fine to medium grained						
903	2				R1	107.9	6.7	12	MC	
902	3									
901	4		SP	Sand (SP); tan, moist, medium dense, medium grained						
900	5									
899	6				R2	118.5	9.4	16	MC	
898	7									
897	8									
896	9		SM	Silty sand (SM); brown, moist, dense, medium to coarse grained, light oxidation						
895	10									
894	11				R3	125.4	5.4	72	MC	
893	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
892	13									
891	14									
890	15									
889	16									
888	17									
887	18									
886	19									
885	20									
884	21									
883	22									
882	23									
881	24									
880	25									
879	26									
878	27									
877	28									
876	29									
875	30									
874	31									
873	32									
872	33									
871	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-24

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-25

Location: Main Sort Facility **Ground Surface Elev.:** 904.4' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
904	0			**Alluvium:**						
903	1			Sand w/ silt (SP-SM); brown, moist, medium dense, medium to coarse grained						
902	2				R1	104.9	7.2	17	MC	
901	3		SP-SM							
900	4									
899	5				R2	104.9	3.3	18	MC	
898	6									
897	7			Silty Sand (SM); brown, moist, medium dense, fine grained, light oxidation	R3	115.8	13.6	25	MC	
896	8									
895	9		SM							
894	10				R4	113.5	8.9	45	MC	
893	11		SP-SM	Sand w/ silt (SP-SM); brown, moist, medium dense to dense, medium to coarse grained						
892	12			TD: 11.5 feet						
891	13			No groundwater encountered.						
890	14			Boring backfilled w/ cuttings.						
889	15									
888	16									
887	17									
886	18									
885	19									
884	20									
883	21									
882	22									
881	23									
880	24									
879	25									
878	26									
877	27									
876	28									
875	29									
874	30									
873	31									
872	32									
871	33									
870	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-25

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-26

Location: Apron **Ground Surface Elev.:** 903.7' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
903	1		SP-SM	**Alluvium:** Sand w/ silt (SP-SM); brown, moist, medium dense, fine to coarse grained						
902	2									
901	3				R1	110.3	2.7	21	MC	Fines: 9.9 %
900	4									
899	5									
898	6				R2	111.7	1.4	23	MC	
897	7									
896	8			-- increase fine grained sand, at 8 feet.	R3	127.5	1.3	31 50/5	MC	
895	9		SM	Silty Sand (SM); brown, moist, very dense, fine grained, light oxidation						
894	10									
893	11				R4	120.6	3.1	37 50/4	MC	
892	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
891	13									
890	14									
889	15									
888	16									
887	17									
886	18									
885	19									
884	20									
883	21									
882	22									
881	23									
880	24									
879	25									
878	26									
877	27									
876	28									
875	29									
874	30									
873	31									
872	32									
871	33									
870	34									
869	35									

Figure No.: A-26

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-27
Location: Main Sort Facility **Ground Surface Elev.:** 902.9' **Hole Diameter:** 8" **Project No.:** SC6101
Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
902	1			**Alluvium:**						
901	2			Silty sand (SM); brown, moist, medium dense, fine to medium grained, light oxidation						
900	3				R1	102.4	8.9	23	MC	
899	4		SM							
898	5									
897	6				R2	114.9	9.6	18	MC	
896	7									
895	8				R3	118.7	8	25	MC	
894	9									
893	10			Sand w/ silt (SP-SM); brown, moist, medium dense, medium to coarse grained						
892	11		SP-SM		R4	123.8	4.2	45	MC	
891	12									
890	13				R5	113.5	8.9	45	MC	
889	14									
888	15			Silty Sand (SM); brown, moist, medium dense, fine grained, light oxidation						
887	16				S1			24	SPT	
886	17			-- trace fine subangular gravel, at 17 feet						
885	18		SM							
884	19									
883	20									
882	21				R6	113.5	8.9	45	MC	
881	22									
880	23			Sand (SP); tan, moist, dense, medium grained						
879	24									
878	25			-- trace fine subangular gravel, at 25 feet						
877	26		SP		S2			47	SPT	
876	27									
875	28									
874	29									
873	30									
872	31			-- very dense trace coarse subangular gravel, at 30 feet	R7			20 50/6	MC	
871	32			TD: 31 feet No groundwater encountered. Boring backfilled w/ cuttings.						
870	33									
869	34									
868	35									

Figure No.: A-27

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-28

Location: Apron **Ground Surface Elev.:** 901.4' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
901	0			**Alluvium:**						
900	1		SP-SM	Sand w/ silt (SP-SM); brown, moist, loose, medium grained						
899	2				R1	103.1	7.1	12	MC	Fines: 12.7 %
898	3									
897	4			Silty Sand (SM); tan to brown, moist, loose to medium dense, fine to medium grained						
896	5				R2	109.9	6.5	14	MC	Fines: 17.6 %
895	6									
894	7		SM		R3	115.6	4.2	32	MC	
893	8									
892	9									
891	10				R4	115.1	2.6	41	MC	
890	11									
889	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
888	13									
887	14									
886	15									
885	16									
884	17									
883	18									
882	19									
881	20									
880	21									
879	22									
878	23									
877	24									
876	25									
875	26									
874	27									
873	28									
872	29									
871	30									
870	31									
869	32									
868	33									
867	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-28

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-29

Location: Main Sort Facility **Ground Surface Elev.:** 902.0' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/18/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
901	1			**Alluvium:**						
900	2			Silty sand (SM); brown, moist, loose to medium dense, fine to medium grained, light oxidation						
899	3		SM		R1	104.5	7.8	11	MC	
898	4									
897	5									
896	6				R2	117.2	9.5	35	MC	
895	7									
894	8			Sand w/ silt and gravel (SP-SM); brown, moist, very dense, fine grained, fine to coarse subrounded gravel	R3	118.7	3.9	32 50/3	MC	
893	9		SP-SM							
892	10				R4	127.6	2.7	50/5	MC	
891	11			Silty sand (SM); brown, moist, dense, fine grained						
890	12									
889	13		SM		R5	112.7	3.2	47	MC	
888	14									
887	15			Sand w/ silt and gravel (SP-SM); brown, moist, very dense, fine grained, fine to coarse subrounded gravel	R6	128	2.3	50/5	MC	
886	16									
885	17									
884	18		SP-SM							
883	19									
882	20									
881	21				S1			30 50/6	SPT	
880	22			TD: 21 feet No groundwater encountered. Boring backfilled w/ cuttings.						
879	23									
878	24									
877	25									
876	26									
875	27									
874	28									
873	29									
872	30									
871	31									
870	32									
869	33									
868	34									
867	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-29

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Overcast, Cool **Boring:** B-30

Location: Truck Yard **Ground Surface Elev.:** 902.1' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/18/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
902				**Alluvium:**						
901	1			Silty sand (SM); brown, moist, loose to medium dense, fine grained						
900	2									
899	3				R1	101.3	8.7	23	MC	
898	4									
897	5									
896	6		SM		R2	113.1	9.2	15	MC	Fines: 30.6 %
895	7									
894	8				R3	110.7	11.3	17	MC	Fines: 39.9 %
893	9									
892	10									
891	11				R4	111.1	11.7	21	MC	
890	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
889	13									
888	14									
887	15									
886	16									
885	17									
884	18									
883	19									
882	20									
881	21									
880	22									
879	23									
878	24									
877	25									
876	26									
875	27									
874	28									
873	29									
872	30									
871	31									
870	32									
869	33									
868	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-30

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Overcast, Cool **Boring:** B-31
Location: Apron **Ground Surface Elev.:** 898.8' **Hole Diameter:** 8" **Project No.:** SC6101
Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/18/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
898	1		SP-SM	**Alluvium:** Sand w/ silt (SP-SM); brown, moist, loose, fine grained						
897	2									
896	3				R1	103.8	3.8	12	MC	Fines: 5.5 %
895	4									
894	5		SP	Sand (SP); tan to brown, moist, medium dense, fine to medium grained						
893	6				R2	101.9	4.8	18	MC	Fines: 3.8 %
892	7									
891	8			-- trace fine subrounded gravel, at 7 feet.	R3	108.5	4.4	27	MC	
890	9									
889	10									
888	11				R4	112.4	4.9	41	MC	
887	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
886	13									
885	14									
884	15									
883	16									
882	17									
881	18									
880	19									
879	20									
878	21									
877	22									
876	23									
875	24									
874	25									
873	26									
872	27									
871	28									
870	29									
869	30									
868	31									
867	32									
866	33									
865	34									
864	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-31

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Overcast, Cool **Boring:** B-32

Location: Main Sort Facility **Ground Surface Elev.:** 901.0' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/18/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
901				**Alluvium:**						
900	1			Silty sand (SM); brown, moist, loose to medium dense, fine grained						
899	2		SM							
898	3				R1	102.9	6.4	17	MC	
897	4									
896	5			Sand (SP); tan to brown, moist, medium dense, fine to medium grained, trace fine to coarse subrounded gravel						
895	6				R2	119.4	5.1	21	MC	
894	7									
893	8		SP		R3	109.3	11.4	26	MC	
892	9									
891	10									
890	11				R4	101.3	4.9	54	MC	
889	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
888	13									
887	14									
886	15									
885	16									
884	17									
883	18									
882	19									
881	20									
880	21									
879	22									
878	23									
877	24									
876	25									
875	26									
874	27									
873	28									
872	29									
871	30									
870	31									
869	32									
868	33									
867	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-32

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Overcast, Cool **Boring:** B-33

Location: Main Sort Facility **Ground Surface Elev.:** 901.4' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/18/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
901	0		SM	**Alluvium:**	B1		7.4			Bulk: 0-6'
900	1			Silty sand (SM); brown, moist, loose to medium dense, fine grained, light oxidation						
899	2				R1	109.3	10.1	15	MC	
898	3									
897	4									
896	5				R2	110.4	10.1	29	MC	
895	6									
894	7				R3	107.5	13.5	18	MC	
893	8									
892	9									
891	10			-- trace fine subrounded gravel, at 10 feet.	R4	104.5	7.2	26	MC	
890	11									
889	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
888	13									
887	14									
886	15									
885	16									
884	17									
883	18									
882	19									
881	20									
880	21									
879	22									
878	23									
877	24									
876	25									
875	26									
874	27									
873	28									
872	29									
871	30									
870	31									
869	32									
868	33									
867	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-33

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Overcast, Cool **Boring:** B-34

Location: Main Sort Facility **Ground Surface Elev.:** 900.9' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/18/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
900	1		SM	**Alluvium:** Silty sand (SM); brown, moist, loose to medium dense, fine grained, light oxidation						
899	2									
898	3				R1	105.6	11.5	13	MC	
897	4									
896	5									
895	6				R2	112.2	11.4	19	MC	
894	7									
893	8			-- trace fine subrounded gravel, at 7 feet.	R3	107.2	5.4	39	MC	
892	9									
891	10		SP-SM	Sand w/ silt and gravel (SP-SM); brown, moist, medium dense, fine to medium grained, trace fine subrounded gravel						
890	11				R4	111.8	4.1	26	MC	
889	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
888	13									
887	14									
886	15									
885	16									
884	17									
883	18									
882	19									
881	20									
880	21									
879	22									
878	23									
877	24									
876	25									
875	26									
874	27									
873	28									
872	29									
871	30									
870	31									
869	32									
868	33									
867	34									
866	35									

Figure No.: A-34

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Overcast, Cool **Boring:** B-35
Location: Truck Yard **Ground Surface Elev.:** 901.6' **Hole Diameter:** 8" **Project No.:** SC6101
Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/18/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
901	0									
900	1		SM	**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained						
899	2				R1	113.4	6.9	16	MC	Fines: 18.4 %
898	3									
897	4		SP-SM	Sand w/ silt and gravel (SP-SM); tan to brown, moist, medium dense, fine to medium grained, trace fine subrounded gravel						
896	5				R2	107.8	4.8	21	MC	
895	6									
894	7				R3	105.7	3.5	39	MC	
893	8									
892	9									
891	10			-- dense, at 10 feet.	R4	113.6	6.6	60	MC	
890	11									
889	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
888	13									
887	14									
886	15									
885	16									
884	17									
883	18									
882	19									
881	20									
880	21									
879	22									
878	23									
877	24									
876	25									
875	26									
874	27									
873	28									
872	29									
871	30									
870	31									
869	32									
868	33									
867	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-35

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-36

Location: Parking Garage **Ground Surface Elev.:** 899.9' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/24/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
899	1			**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained						
898	2									
897	3				R1	111.6	6.2	20	MC	
896	4									
895	5									
894	6				R2	111	6.4	25	MC	
893	7									
892	8				R3	107.7	6.4	23	MC	
891	9									
890	10									
889	11		SM		R4	103.6	4.5	28	MC	
888	12									
887	13									
886	14									
885	15									
884	16				R5	113.6	3.4	27	MC	
883	17									
882	18									
881	19									
880	20									
879	21				S1			23	SPT	
878	22			TD: 21.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
877	23									
876	24									
875	25									
874	26									
873	27									
872	28									
871	29									
870	30									
869	31									
868	32									
867	33									
866	34									
865	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-36

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-37

Location: Parking Garage **Ground Surface Elev.:** 899.4' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/24/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
899				Pavement: 4" AC (no base)						
898	1		SM	**Fill:** Silty sand (SM); brown, moist, loose, fine grained, w/ asphalt debris						
897	2				R1	103.3	7.7	12	MC	
896	3			**Alluvium:** Silty sand (SM); brown, moist, loose to medium dense, fine grained, light oxidation						
895	4									
894	5				R2	108.2	10	12	MC	
893	6									
892	7				R3	113	8	23	MC	
891	8									
890	9									
889	10				R4	104.5	14	21	MC	
888	11									
887	12		SM							
886	13									
885	14									
884	15				S1			8	SPT	
883	16									
882	17									
881	18									
880	19									
879	20				R5	101.5	10.9	29	MC	
878	21									
877	22			TD: 21.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
876	23									
875	24									
874	25									
873	26									
872	27									
871	28									
870	29									
869	30									
868	31									
867	32									
866	33									
865	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-37

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-38

Location: Parking Garage **Ground Surface Elev.:** 899.5' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/24/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
899	0			Pavement: 4" AC over 5" AB	B1		5.8			Bulk: 1-5'
898	1			Alluvium:						Fines: 30.5 %
897	2			Silty sand (SM); brown, moist, loose to medium dense, fine grained, trace gravel	R1	106.5	9.8	11	MC	
896	3									
895	4									
894	5				R2	106.2	9.6	12	MC	Fines: 31.6 %
893	6									
892	7			-- medium dense, below 7 feet.	R3	106.1	9.5	19	MC	
891	8									
890	9									
889	10				R4	103.5	9.8	19	MC	
888	11									
887	12									
886	13									
885	14		SM							
884	15				R5	98.4	7.5	16	MC	
883	16									
882	17									
881	18									
880	19									
879	20				S1			11	SPT	Fines: 24.9 %
878	21									
877	22									
876	23									
875	24									
874	25				R6			16	MC	
873	26									
872	27									
871	28									
870	29			Sand w/ silt (SP-SM); tan to brown, moist, dense, fine to coarse , trace fine subrounded gravel						
869	30				S2			20	SPT	
868	31		SP-SM					50/6		
867	32									
866	33									
865	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-38

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-38

Location: Parking Garage **Ground Surface Elev.:** 899.5' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/24/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
864	35		SM	Silty sand (SM); brown, moist, medium dense to dense, fine grained, trace fine subrounded gravel	R7			50/6	MC	
863	36									
862	37									
861	38									
860	39									
859	40				S3			27	SPT	
858	41									
857	42									
856	43		SP-SM	Sand w/ silt (SP-SM); tan to brown, moist, dense to very dense, fine to medium grained, light oxidation						
855	44									
854	45				R8			27	MC	
853	46							50/6		
852	47									
851	48									
850	49									
849	50				S4			40	SPT	
848	51									
847	52			TD: 51.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
846	53									
845	54									
844	55									
843	56									
842	57									
841	58									
840	59									
839	60									
838	61									
837	62									
836	63									
835	64									
834	65									
833	66									
832	67									
831	68									
830	69									
	70									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-38

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-39

Location: Parking Garage **Ground Surface Elev.:** 896.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/24/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
896	1		SM	**Fill:** Silty sand (SM); brown, moist, loose, fine grained						
895	2									
894	3				R1	109	6	12	MC	
893	4									
892	5		SM	**Alluvium:** Silty sand (SM); brown, moist, medium dense to dense, fine grained						
891	6				R2	108.2	3.9	18	MC	
890	7									
889	8				R3	107.3	7.6	25	MC	
888	9									
887	10									
886	11				R4	104	8.9	45	MC	
885	12									
884	13									
883	14		SP-SM	Sand w/ silt (SP-SM); tan, moist, very dense, fine to medium grained						
882	15									
881	16				S1			20 50/6	SPT	
880	17									
879	18									
878	19									
877	20		SM	Silty Sand (SM); brown, moist, very dense, fine grained						
876	21				R5	109.7	3.1	40 50/4	MC	
875	22									
874	23		SP	Sand (SP); tan, moist, very dense, medium grained						
873	24									
872	25			-- trace fine to coarse subrounded gravel, at 25 feet.						
871	26				S2			71	SPT	
870	27									
869	28									
868	29		SM	Silty Sand (SM); mottled gray to brown, moist, dense, fine grained, light oxidation						
867	30									
866	31				R6			51	MC	
865	32			TD: 31.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
864	33									
863	34									
862	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-39

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-40

Location: Parking Garage **Ground Surface Elev.:** 896.6' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/25/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
896	0			Pavement: 2" AC (no base)						
895	1			**Alluvium:**						
894	2			Silty sand (SM); brown, moist, medium dense, fine grained, light oxidation	R1	107.9	10.4	20	MC	
893	3									
892	4		SM							
891	5				R2	112.2	9.4	24	MC	
890	6									
889	7				R3	121.8	3	38	MC	
888	8									
887	9			Sand (SP); tan, moist, very dense, fine to medium grained						
886	10				R4	104.3	3.2	51	MC	
885	11									
884	12									
883	13									
882	14									
881	15		SP		S1			53	SPT	
880	16									
879	17									
878	18									
877	19									
876	20			-- medium dense, at 20 feet.	R5	112.5	2.6	29	MC	
875	21									
874	22			TD: 21.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
873	23									
872	24									
871	25									
870	26									
869	27									
868	28									
867	29									
866	30									
865	31									
864	32									
863	33									
862	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-40

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-41

Location: Parking Garage **Ground Surface Elev.:** 894.6' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/25/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
894	0									
893	1			**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained, trace gravel	B1		4.7			Bulk: 1-6' Fines: 23.7 %
892	2									
891	3				R1	107	5.2	23	MC	
890	4									
889	5									
888	6				R2	106.2	2.6	31	MC	
887	7		SM							
886	8				R3	113.9	3.8	32	MC	
885	9									
884	10									
883	11				R4	107	2	40	MC	
882	12									
881	13									
880	14			Sand (SP); tan, moist, medium dense, medium grained, trace fine subrounded gravel						
879	15									
878	16				R5	112.5	2.6	35	MC	
877	17									
876	18		SP							
875	19									
874	20									
873	21				S1			34	SPT	
872	22			TD: 21.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
871	23									
870	24									
869	25									
868	26									
867	27									
866	28									
865	29									
864	30									
863	31									
862	32									
861	33									
860	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-41

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-42

Location: Parking Garage **Ground Surface Elev.:** 901.0' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
900	1			Pavement: 3" AC (no base)						
899	2			**Alluvium:**						
898	3		SM	Silty sand (SM); brown, moist, loose to medium dense, fine grained, light oxidation	R1	113.7	9.3	15	MC	
897	4									
896	5									
895	6				R2	116.9	11.9	13	MC	
894	7									
893	8		SP-SM	Sand w/ silt and gravel (SP-SM); tan to brown, moist, dense, medium grained, fine subrounded gravel						
892	9									
891	10									
890	11				R3	128.6	1.7	53	MC	
889	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
888	13									
887	14									
886	15									
885	16									
884	17									
883	18									
882	19									
881	20									
880	21									
879	22									
878	23									
877	24									
876	25									
875	26									
874	27									
873	28									
872	29									
871	30									
870	31									
869	32									
868	33									
867	34									
866	35									

Figure No.: A-42

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-43

Location: Parking Garage **Ground Surface Elev.:** 898.4' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
898	0			Pavement: 3" AC (no base)						
897	1			**Alluvium:**						
896	2			Silty sand (SM); brown, moist, loose, fine grained						
895	3		SM		R1	105.3	7.2	11	MC	
894	4									
893	5				R2	104.9	7.4	10	MC	
892	6									
891	7		SP-SM	Sand w/ silt and gravel (SP-SM); brown, moist, very dense, fine grained, fine subrounded gravel	R3	125	2.9	53	MC	
890	8									
889	9			Silty sand (SM); brown, moist, medium dense, fine grained						
888	10		SM		R4	103.8	11.2	20	MC	
887	11									
886	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
885	13									
884	14									
883	15									
882	16									
881	17									
880	18									
879	19									
878	20									
877	21									
876	22									
875	23									
874	24									
873	25									
872	26									
871	27									
870	28									
869	29									
868	30									
867	31									
866	32									
865	33									
864	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-43

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-44

Location: Parking Garage **Ground Surface Elev.:** 896.2' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/25/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
896	0			Pavement: 4" AC (no base)						
895	1			**Alluvium:**						
894	2			Silty sand (SM); brown, moist, medium dense, fine grained						
893	3		SM		R1	105.7	6.5	26	MC	
892	4									
891	5									
890	6				R2	116.3	8.3	33	MC	
889	7			TD: 6.5 feet						
888	8			No groundwater encountered.						
887	9			Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
886	10									
885	11									
884	12									
883	13									
882	14									
881	15									
880	16									
879	17									
878	18									
877	19									
876	20									
875	21									
874	22									
873	23									
872	24									
871	25									
870	26									
869	27									
868	28									
867	29									
866	30									
865	31									
864	32									
863	33									
862	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-44

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-45

Location: Parking Garage **Ground Surface Elev.:** 895.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/25/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
895	1			Pavement: 2" AC (no base)						
894	2		SM	**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained						
893	3				R1	111.5	6.6	24	MC	
892	4									
891	5		SP	Sand (SP); tan, moist, medium dense, medium grained						
890	6				R2	103.5	5.3	29	MC	
889	7									
888	8		SM	Silty sand (SM); brown, moist, medium dense, fine grained						
887	9									
886	10									
885	11				R3	110.3	7.1	24	MC	
884	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
883	13									
882	14									
881	15									
880	16									
879	17									
878	18									
877	19									
876	20									
875	21									
874	22									
873	23									
872	24									
871	25									
870	26									
869	27									
868	28									
867	29									
866	30									
865	31									
864	32									
863	33									
862	34									
861	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-45

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-47
Location: Apron **Ground Surface Elev.:** 915.9' **Hole Diameter:** 8" **Project No.:** SC6101
Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/21/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
				Pavement: 3" AC over 3" AB	B1		5			Bulk: 1-5'
915	1			**Fill:**						Fines: 25.8 %
914	2			Silty sand (SM); brown, moist, dense, fine grained						
913	3		SM		R1	115.1	6.4	48	MC	
912	4									
911	5			**Alluvium:**						
910	6			Silty sand (SM); brown, moist, medium dense, fine grained	R2	105.2	11.9	17	MC	
909	7									
908	8		SM		R3	114	10.3	19	MC	
907	9									
906	10			-- trace fine subrounded gravel, at 10 feet.						
905	11				R4	124.9	11.5	28	MC	
904	12			TD: 11.5 feet						
903	13			No groundwater encountered.						
902	14			Boring backfilled w/ cuttings, and capped w/ concrete and black dye at surface.						
901	15									
900	16									
899	17									
898	18									
897	19									
896	20									
895	21									
894	22									
893	23									
892	24									
891	25									
890	26									
889	27									
888	28									
887	29									
886	30									
885	31									
884	32									
883	33									
882	34									
881	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-46

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-48

Location: Apron **Ground Surface Elev.:** 911.0' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/21/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
911				Pavement: 4" AC over 4" AB						
910	1		SM	**Fill:** Silty sand (SM); brown, moist, dense, fine grained, trace asphalt debris						
909	2									
908	3				R1	111	7.1	48	MC	
907	4		SP-SM	**Alluvium:** Sand w/ silt and gravel (SP-SM); brown, moist, dense, medium grained, fine subrounded gravel						
906	5									
905	6				R2	108.9	4.3	17	MC	
904	7		SM	Silty Sand (SM); brown, moist, medium dense, fine grained, light oxidation						
903	8				R3	106.7	8.4	19	MC	
902	9									
901	10									
900	11				R4	115.7	8.7	28	MC	
899	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ concrete and black dye at surface.						
898	13									
897	14									
896	15									
895	16									
894	17									
893	18									
892	19									
891	20									
890	21									
889	22									
888	23									
887	24									
886	25									
885	26									
884	27									
883	28									
882	29									
881	30									
880	31									
879	32									
878	33									
877	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-47

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-49

Location: Main Sort Facility **Ground Surface Elev.:** 909.9' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
909	0			Pavement: 4" AC over 4" AB						
909	1			**Fill:**						
908	2		SM	Silty sand (SM); brown, moist, very dense, fine grained, light oxidation						
907	3				R1	117.8	4	35 50/4	MC	
906	4									
905	5			**Alluvium:**						
904	6			Silty sand (SM); brown, moist, loose to medium dense, fine grained, light oxidation	R2	105.7	7.3	24	MC	
903	7									
902	8		SM		R3	103.4	5.6	12	MC	
901	9									
900	10									
899	11				R4	112	5.9	25	MC	
898	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ concrete and black dye at surface.						
897	13									
896	14									
895	15									
894	16									
893	17									
892	18									
891	19									
890	20									
889	21									
888	22									
887	23									
886	24									
885	25									
884	26									
883	27									
882	28									
881	29									
880	30									
879	31									
878	32									
877	33									
876	34									
875	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-48

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-50

Location: Main Sort Facility **Ground Surface Elev.:** 906.1' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/21/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
906				Pavement: 2" AC (no base)						
905	1			**Fill:**						
904	2		SM	Silty sand (SM); brown, moist, medium dense, fine grained						
903	3				R1	112.9	3.6	29	MC	
902	4									
901	5			**Alluvium:** Silty sand (SM); brown, moist, loose to medium dense, fine grained						
900	6				R2	108.3	7.2	17	MC	Fines: 19.0 %
899	7		SM							
898	8				R3	113.3	12.5	16	MC	Fines: 33.0 %
897	9									
896	10			Sand (SP); tan, moist, dense to very dense, medium to coarse grained						
895	11				R4	127.6	3.1	43	MC	
894	12									
893	13									
892	14									
891	15				S1			30	SPT	
890	16							50/5		
889	17		SP							
888	18									
887	19									
886	20									
885	21				R5	112.1	2.2	54	MC	
884	22									
883	23									
882	24			Silty sand (SM); brown, moist, medium dense to dense, fine grained						
881	25									
880	26				S2			23	SPT	
879	27									
878	28									
877	29									
876	30				R6			30	MC	
875	31		SM					50/6		
874	32									
873	33									
872	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-49

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-50

Location: Main Sort Facility **Ground Surface Elev.:** 906.1' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/21/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
871	35				S3			29	SPT	
870	36									
869	37									
868	38									
867	39			Sand w/ silt (SP-SM); brown, moist, very dense, medium grained, light oxidation						
866	40									
865	41		SP-SM		R7			40 50/5	MC	
864	42									
863	43									
862	44									
861	45			Silty sand (SM); brown, moist, medium dense to very dense, fine grained						
860	46				S4			22	SPT	
859	47		SM							
858	48									
857	49									
856	50				R8			30 50/6	MC	
855	51			TD: 51 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
854	52									
853	53									
852	54									
851	55									
850	56									
849	57									
848	58									
847	59									
846	60									
845	61									
844	62									
843	63									
842	64									
841	65									
840	66									
839	67									
838	68									
837	69									
	70									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-49

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-51

Location: Main Sort Facility **Ground Surface Elev.:** 907.6' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/21/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
907	0			Pavement: 3" AC over 3" AB						
906	1			**Fill:** Silty sand (SM); brown, moist, medium dense, fine grained						
905	2		SM		R1	117.1	6	53	MC	
904	3									
903	4			**Alluvium:** Silty sand (SM); brown, moist, medium dense to dense, fine grained, light oxidation						
902	5				R2	118.6	9.1	24	MC	
901	6									
900	7				R3	125.3	3.7	25 50/4	MC	
899	8									
898	9			-- very dense below 7.0 feet, trace fine subrounded gravel, at 8.5 feet						
897	10				R4	114.7	6.5	50/6	MC	
896	11									
895	12									
894	13									
893	14									
892	15				R5	125	3	38 50/5	MC	
891	16									
890	17									
889	18		SM							
888	19									
887	20				S1			25 50/6	SPT	
886	21									
885	22									
884	23									
883	24									
882	25				R6	101.2	5.2	30 50/6	MC	
881	26									
880	27									
879	28									
878	29									
877	30									
876	31				S2			61	SPT	
875	32			TD: 31.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped with cold patch asphalt.						
874	33									
873	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-50

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-52

Location: Main Sort Facility **Ground Surface Elev.:** 905.3' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/21/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
905				Pavement: 3" AC (no base)						
904	1		SM	**Fill:** Silty sand (SM); brown, moist, medium dense, fine grained						
903	2				R1	105.8	8.5	20	MC	
902	3			**Alluvium:** Silty sand (SM); brown, moist, medium dense to dense, fine grained						
901	4									
900	5				R2	117.8	7.7	36	MC	
899	6									
898	7				R3	118.4	7.1	33	MC	
897	8									
896	9									
895	10				R4	111.7	4	47	MC	
894	11									
893	12		SM							
892	13									
891	14									
890	15				S1			11	SPT	
889	16									
888	17									
887	18									
886	19									
885	20				R5	110.8	8.7	38	MC	
884	21									
883	22			TD: 21.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
882	23									
881	24									
880	25									
879	26									
878	27									
877	28									
876	29									
875	30									
874	31									
873	32									
872	33									
871	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-51

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-53

Location: Main Sort Facility **Ground Surface Elev.:** 904.1' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/21/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
904				Pavement: 4" AC (no base)						
903	1			**Alluvium:**						
902	2			Silty sand (SM); brown, moist, medium dense, fine grained						
901	3				R1	96	13.5	13	MC	
900	4									
899	5		SM							
898	6				R2	117.7	11.4	15	MC	
897	7									
896	8			-- trace coarse subangular gravel, at 7 feet.	R3	118.2	2.7	27	MC	
895	9									
894	10		SP	Sand (SP); tan, slightly moist, very dense, trace fine subangular gravel						
893	11				R4	130.1	1.6	35 50/6	MC	
892	12			TD: 11.5 feet						
891	13			No groundwater encountered.						
890	14			Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
889	15									
888	16									
887	17									
886	18									
885	19									
884	20									
883	21									
882	22									
881	23									
880	24									
879	25									
878	26									
877	27									
876	28									
875	29									
874	30									
873	31									
872	32									
871	33									
870	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-52

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-54

Location: Main Sort Facility **Ground Surface Elev.:** 904.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/21/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
904	1			Pavement: 4" AC (no base)						
903	2			**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained						
902	3				R1	108.8	12.8	21	MC	
901	4									
900	5			-- trace fine subangular gravel, at 5 feet.						
899	6		SM		R2	128	6.6	32	MC	
898	7									
897	8									
896	9									
895	10									
894	11				R3	112	9	35	MC	
893	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
892	13									
891	14									
890	15									
889	16									
888	17									
887	18									
886	19									
885	20									
884	21									
883	22									
882	23									
881	24									
880	25									
879	26									
878	27									
877	28									
876	29									
875	30									
874	31									
873	32									
872	33									
871	34									
870	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-53

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-55

Location: Main Sort Facility **Ground Surface Elev.:** 903.2' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/20/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
903				Pavement: 4" AC (no base)	B1		6			Bulk: 0-5'
902	1			**Alluvium:**						
901	2			Silty sand (SM); brown, moist, loose to medium dense, fine grained, some gravel						
900	3				R1	105.1	6..5	12	MC	
899	4									
898	5									
897	6		SM		R2	113.3	8.8	17	MC	
896	7									
895	8			-- trace fine subangular gravel, at 7 feet.	R3	106	8.8	42	MC	
894	9									
893	10									
892	11				R4	107.6	14.6	23	MC	
891	12			TD: 11.5 feet						
890	13			No groundwater encountered.						
889	14			Boring backfilled w/ cuttings.						
888	15									
887	16									
886	17									
885	18									
884	19									
883	20									
882	21									
881	22									
880	23									
879	24									
878	25									
877	26									
876	27									
875	28									
874	29									
873	30									
872	31									
871	32									
870	33									
869	34									
	35									

Figure No.: A-54

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-56

Location: Apron **Ground Surface Elev.:** 914.2' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
914				Pavement: 4" AC (no base)						
913	1			**Alluvium:**						
912	2			Silty sand (SM); brown, moist, loose, fine grained						
911	3				R1	107.6	12.2	8	MC	Fines: 35.9 %
910	4									
909	5		SM							
908	6				R2	104.5	6.6	10	MC	Fines: 22.6 %
907	7									
906	8				R3	109.1	7.9	7	MC	Fines: 23.1 %
905	9									
904	10		SP-SM	Sand w/ silt (SP-SM); brown, slightly moist, medium dense, fine to medium grained, trace subangular fine gravel	R4	125.3	3	40	MC	
903	11									
902	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
901	13									
900	14									
899	15									
898	16									
897	17									
896	18									
895	19									
894	20									
893	21									
892	22									
891	23									
890	24									
889	25									
888	26									
887	27									
886	28									
885	29									
884	30									
883	31									
882	32									
881	33									
880	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-55

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-57

Location: Apron **Ground Surface Elev.:** 910.6' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
910	0			Pavement: 4" AC (no base)	B1		6.8			Bulk: 1-6'
909	1			**Alluvium:**						Fines: 27.7 %
908	2			Silty sand (SM); brown, moist, medium dense, fine grained, trace gravel	R1	102.4	7.1	27	MC	
907	3									
906	4		SM							
905	5				R2	105.5	7.3	25	MC	
904	6									
903	7				R3	109	8.4	32	MC	
902	8									
901	9			Sand (SP); tan, moist, medium dense, fine to medium grained						
900	10		SP		R4	112.1	3.1	39	MC	
899	11			TD: 11.5 feet						
898	12			No groundwater encountered.						
897	13			Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
896	14									
895	15									
894	16									
893	17									
892	18									
891	19									
890	20									
889	21									
888	22									
887	23									
886	24									
885	25									
884	26									
883	27									
882	28									
881	29									
880	30									
879	31									
878	32									
877	33									
876	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-56

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-58

Location: Apron **Ground Surface Elev.:** 911.3' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
911	0			Pavement: 3" AC (no base)						
910	1			**Alluvium:**						
909	2			Silty sand (SM); brown, moist, loose to medium dense, fine grained	R1	110	7.2	23	MC	Fines: 24.0 %
908	3		SM							
907	4									
906	5				R2	106.6	7.5	11	MC	
905	6									
904	7			Sand w/ silt (SP-SM); brown, moist, medium dense to dense, fine to medium grained	R3	102.5	5.7	25	MC	
903	8									
902	9		SP-SM							
901	10				R4	113.5	5.1	45	MC	
900	11									
899	12			TD: 11.5 feet						
898	13			No groundwater encountered.						
897	14			Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
896	15									
895	16									
894	17									
893	18									
892	19									
891	20									
890	21									
889	22									
888	23									
887	24									
886	25									
885	26									
884	27									
883	28									
882	29									
881	30									
880	31									
879	32									
878	33									
877	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-57

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-59

Location: Main Sort Facility **Ground Surface Elev.:** 908.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
908	0			Pavement: 5" AC over 2" AB						
907	1		SM	**Alluvium:** Silty sand (SM); brown, moist, medium dense becoming dense with depth, fine grained						
906	2				R1	106.5	4.7	27	MC	
905	3									
904	4									
903	5				R2	103.8	2.6	41	MC	
902	6									
901	7			-- trace fine subangular gravel, at 7 feet.	R3	115.7	1.7	51	MC	
900	8									
899	9		SP-SM	Sand w/ silt (SP-SM); brown, moist, dense, medium grained						
898	10				R4	122.9	2.6	70	MC	
897	11			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
896	12									
895	13									
894	14									
893	15									
892	16									
891	17									
890	18									
889	19									
888	20									
887	21									
886	22									
885	23									
884	24									
883	25									
882	26									
881	27									
880	28									
879	29									
878	30									
877	31									
876	32									
875	33									
874	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-58

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-60

Location: Main Sort Facility **Ground Surface Elev.:** 908.2' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
908				Pavement: 4" AC (no base)						
907	1			**Alluvium:**						
906	2		SM	Silty sand (SM); brown, moist, medium dense to dense, fine grained	R1	111.2	6.7	21	MC	
905	3									
904	4									
903	5			Sand w/ silt (SP-SM); tan to brown, moist, medium dense, medium grained						
902	6		SP-SM		R2	109.2	3.8	16	MC	
901	7									
900	8			-- trace fine subrounded gravel, at 8 feet.	R3	119.1	3	42	MC	
899	9									
898	10			Silty sand (SM); brown, moist, medium dense to dense, fine grained	R4	112.5	11.4	18	MC	
897	11									
896	12									
895	13									
894	14									
893	15		SM	-- very dense, at 15 feet.	S1			60	SPT	
892	16									
891	17									
890	18									
889	19									
888	20									
887	21				R5	105.7	7.7	19	MC	
886	22			TD: 21.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
885	23									
884	24									
883	25									
882	26									
881	27									
880	28									
879	29									
878	30									
877	31									
876	32									
875	33									
874	34									
	35									

Figure No.: A-59

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-61

Location: Main Sort Facility **Ground Surface Elev.:** 907.3' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
907				Pavement: 4" AC (no base)						
906	1			**Alluvium:**						
905	2		SM	Silty sand (SM); brown, moist, loose to medium dense, fine grained	R1	109.8	7.3	13	MC	Fines: 15.8 %
904	3									
903	4			Sand w/ silt (SP-SM); brown, moist, loose, fine grained						
902	5									
901	6		SP-SM		R2	106.7	5.7	10	MC	Fines: 9.4 %
900	7				R3	107.3	4.2	14	MC	Fines: 7.6 %
899	8									
898	9			Silty sand (SM); brown, moist, medium dense, fine grained						
897	10				R4	114	5.4	24	MC	Fines: 13.5 %
896	11		SM							
895	12									
894	13									
893	14			Sand (SP); tan, moist, medium dense to dense, medium grained						
892	15									
891	16				R5	105.8	3.4	37	MC	Fines: 3.1 %
890	17									
889	18									
888	19									
887	20			-- trace fine subrounded gravel, at 20 feet.	S1			40	SPT	
886	21		SP							
885	22									
884	23									
883	24									
882	25				R6			38	MC	
881	26									
880	27									
879	28									
878	29			Sand w/ silt (SP-SM); tan to brown, moist, medium dense, fine to medium grained, trace fine subrounded gravel						
877	30				S2			35	SPT	
876	31		SP-SM							
875	32									
874	33									
873	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-60

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-61

Location: Main Sort Facility **Ground Surface Elev.:** 907.3' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
872	35		SM	Silty sand (SM); brown, moist, medium dense to dense, fine grained, heavy oxidation	R7			65	MC	
871	36									
870	37									
869	38									
868	39									
867	40			-- medium dense, at 40 feet.	S3			26	SPT	
866	41									
865	42									
864	43									
863	44		SP-SM	Sand w/ silt and gravel (SP-SM); brown, moist, medium dense to very dense, medium grained, trace fine subrounded gravel						
862	45				R8			25	MC	
861	46							50/6		
860	47									
859	48									
858	49									
857	50									
856	51				S4			30	SPT	
855	52			TD: 51.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
854	53									
853	54									
852	55									
851	56									
850	57									
849	58									
848	59									
847	60									
846	61									
845	62									
844	63									
843	64									
842	65									
841	66									
840	67									
839	68									
838	69									
	70									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-60

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-62

Location: Main Sort Facility **Ground Surface Elev.:** 905.9' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
905	1			Pavement: 4" AC (no base)						
				Alluvium:						
904	2			Silty sand (SM); brown, moist, loose, fine grained						
903	3				R1	103.1	7.3	10	MC	
902	4									
901	5		SM							
900	6				R2	108.1	5.1	12	MC	
899	7									
898	8				R3	117.2	12.2	14	MC	
897	9									
896	10			Sand (SP); tan, moist, medium dense, medium to coarse grained, trace fine subrounded gravel						
895	11				R4	125.1	1.7	32	MC	
894	12									
893	13									
892	14									
891	15		SP							
890	16				S1			11	SPT	
889	17									
888	18									
887	19									
886	20			-- very dense, at 20 feet.						
885	21				R5	113.7	3.1	16 50/6	MC	
				TD: 21 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
884	22									
883	23									
882	24									
881	25									
880	26									
879	27									
878	28									
877	29									
876	30									
875	31									
874	32									
873	33									
872	34									
871	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-61

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-63

Location: Main Sort Facility **Ground Surface Elev.:** 905.2' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
905				Pavement: 3" AC (no base)						
904	1			**Alluvium:**						
903	2			Silty sand (SM); brown, moist, medium dense, fine grained						
902	3				R1	108.8	5.6	20	MC	
901	4		SM							
900	5									
899	6				R2	110	2.5	18	MC	
898	7									
897	8			Sand w/ silt and gravel (SP-SM); tan, moist, medium dense, medium grained, trace fine subrounded gravel	R3	114.6	3.3	28	MC	
896	9		SP-SM							
895	10									
894	11				R4	116.6	2.4	26	MC	
893	12			TD: 11.5 feet						
892	13			No groundwater encountered.						
891	14			Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
890	15									
889	16									
888	17									
887	18									
886	19									
885	20									
884	21									
883	22									
882	23									
881	24									
880	25									
879	26									
878	27									
877	28									
876	29									
875	30									
874	31									
873	32									
872	33									
871	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-62

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-64

Location: Truck Yard **Ground Surface Elev.:** 903.6' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
903				Pavement: 5" AC (no base)						
902	1		SM	**Fill:** Silty sand (SM); brown, moist, medium dense, fine grained						
901	2				R1	103.2	7.8	57	MC	
900	3									
899	4		SP-SM	**Alluvium:** Sand w/ silt (SP-SM); brown, moist, medium dense, fine to medium grained						
898	5				R2	116.2	4.1	42	MC	
897	6									
896	7		SM	Silty sand (SM); brown, moist, very dense, fine grained	R3	108.2	6.6	30 50/6	MC	
895	8									
894	9									
893	10				R4	102.4	6.7	50/6	MC	
892	11			TD: 10.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
891	12									
890	13									
889	14									
888	15									
887	16									
886	17									
885	18									
884	19									
883	20									
882	21									
881	22									
880	23									
879	24									
878	25									
877	26									
876	27									
875	28									
874	29									
873	30									
872	31									
871	32									
870	33									
869	34									
	35									

Figure No.: A-63

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-65

Location: Apron **Ground Surface Elev.:** 911.1' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
911				Pavement: 4" AC (no base)						
910	1			**Alluvium:**						
909	2			Silty sand (SM); brown, moist, medium dense, fine grained						
908	3				R1	105.8	9.1	18	MC	Fines: 31.6 %
907	4									
906	5		SM							
905	6				R2	94.8	11.5	23	MC	
904	7									
903	8				R3	119	7.4	20	MC	
902	9			Sand (SP); tan, moist, dense, fine to coarse grained						
901	10		SP							
900	11				R4	102.4	6.7	57	MC	
899	12			TD: 11.5 feet						
898	13			No groundwater encountered.						
897	14			Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
896	15									
895	16									
894	17									
893	18									
892	19									
891	20									
890	21									
889	22									
888	23									
887	24									
886	25									
885	26									
884	27									
883	28									
882	29									
881	30									
880	31									
879	32									
878	33									
877	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-64

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-66

Location: Apron **Ground Surface Elev.:** 909.5' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
909	0			Pavement: 5" AC (no base)						
908	1			**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained						
907	2				R1	112.7	10.6	19	MC	
906	3									
905	4		SM							
904	5				R2	112.8	9.8	18	MC	Fines: 31.1 %
903	6									
902	7				R3	112.5	10.9	30	MC	
901	8									
900	9			Sand (SP); tan, moist, dense, medium grained						
899	10		SP		R4	107.9	2.4	50	MC	
898	11									
897	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
896	13									
895	14									
894	15									
893	16									
892	17									
891	18									
890	19									
889	20									
888	21									
887	22									
886	23									
885	24									
884	25									
883	26									
882	27									
881	28									
880	29									
879	30									
878	31									
877	32									
876	33									
875	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-65

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-67

Location: Main Sort Facility **Ground Surface Elev.:** 908.9' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
908	1			Pavement: 4" AC (no base)						
907	2			**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained						
906	3				R1	106.4	8.1	16	MC	
905	4									
904	5									
903	6		SM		R2	117.6	9.3	27	MC	
902	7									
901	8				R3	119.3	9.9	20	MC	
900	9									
899	10									
898	11			-- dense; trace fine subrounded gravel, at 10 feet	R4	113.7	5.3	49	MC	
897	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
896	13									
895	14									
894	15									
893	16									
892	17									
891	18									
890	19									
889	20									
888	21									
887	22									
886	23									
885	24									
884	25									
883	26									
882	27									
881	28									
880	29									
879	30									
878	31									
877	32									
876	33									
875	34									
874	35									

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-68

Location: Main Sort Facility **Ground Surface Elev.:** 907.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
907	1		SM	**Fill:** Silty sand (SM); brown, moist, medium dense, fine grained						
906	2									
905	3				R1	111	8	25	MC	
904	4									
903	5		SM	**Alluvium:** Silty sand (SM); brown, moist, loose, fine grained						
902	6				R2	107.4	10.9	9	MC	Fines: 37.1 %
901	7									
900	8				R3	119.4	12.7	11	MC	Fines: 40.9 %
899	9									
898	10		SP-SM	Sand w/ silt (SP-SM); tan to brown, moist, medium dense, fine grained						
897	11				R4	114.2	2.5	20	MC	Fines: 3.9 %
896	12									
895	13									
894	14		SM	Silty sand (SM); brown, moist, loose to medium dense, fine grained						
893	15									
892	16				S1			8	SPT	Fines: 17.0 %
891	17									
890	18									
889	19									
888	20									
887	21				R5	114.5	14.6	22	MC	Fines: 45.7 %
886	22									
885	23									
884	24		ML	Sandy silt (ML), brown, moist, stiff to very stiff, fine grained						
883	25									
882	26				S2			13	SPT	Fines: 56.0 %
881	27									
880	28									
879	29									
878	30									
877	31				R6			39	MC	
876	32									
875	33									
874	34			Silty sand (SM); brown, moist, loose to medium dense, fine grained						
873	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-67

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-68

Location: Main Sort Facility **Ground Surface Elev.:** 907.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
872	35		SM		S3			17	SPT	Fines: 29.1 %
871	36									
870	37									
869	38									
868	39									
867	40				R7			34	MC	
866	41									
865	42									
864	43									
863	44									
862	45				S4			14	SPT	Fines: 30.5 %
861	46									
860	47									
859	48									
858	49									
857	50				R8			42	MC	
856	51			TD: 51.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
855	52									
854	53									
853	54									
852	55									
851	56									
850	57									
849	58									
848	59									
847	60									
846	61									
845	62									
844	63									
843	64									
842	65									
841	66									
840	67									
839	68									
838	69									
	70									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-67

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-69

Location: Main Sort Facility **Ground Surface Elev.:** 907.3' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
907	0			Pavement: 4" AC (no base)						
906	1			**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained						
905	2				R1	106.7	6.1	18	MC	
904	3									
903	4		SM							
902	5				R2	109.3	2.5	18	MC	
901	6									
900	7				R3	115.5	4	30	MC	
899	8									
898	9			Sand w/ silt and gravel (SP-SM); tan, moist, medium dense to very dense, medium grained, trace fine subrounded gravel						
897	10				R4	120.9	1.3	33	MC	
896	11									
895	12									
894	13									
893	14									
892	15		SP-SM		S1			58	SPT	
891	16									
890	17									
889	18									
888	19									
887	20				R5	111.6	11.5	33	MC	
886	21									
885	22			TD: 21.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ concrete and black dye at surface.						
884	23									
883	24									
882	25									
881	26									
880	27									
879	28									
878	29									
877	30									
876	31									
875	32									
874	33									
873	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-68

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-70

Location: Main Sort Facility **Ground Surface Elev.:** 906.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
906	1			Pavement: 4" AC (no base)						
905	2			**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained, light oxidation						
904	3				R1	106	7.6	21	MC	
903	4		SM							
902	5									
901	6				R2	114.6	10.6	24	MC	
900	7									
899	8			Sand w/ silt (SP-SM); brown, moist, medium dense, medium grained	R3	111.5	6.6	35	MC	
898	9									
897	10		SP-SM							
896	11				R4	114.5	2.6	45	MC	
895	12									
894	13									
893	14			Silty sand (SM); brown, moist, medium dense to dense, fine to medium grained, trace fine subrounded gravel						
892	15									
891	16				R5	128.3	2.7	29 50/6	MC	
890	17									
889	18									
888	19									
887	20									
886	21				S1			25	SPT	
885	22		SM							
884	23									
883	24									
882	25									
881	26				R6	123.2	4	40 50/5	MC	
880	27									
879	28									
878	29									
877	30									
876	31				S2			53	SPT	
875	32			TD: 31.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped with cold patch asphalt.						
874	33									
873	34									
872	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-69

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-71

Location: Main Sort Facility **Ground Surface Elev.:** 905.2' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
905	0									
904	1			**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained						
903	2				R1	99.8	16.3	17	MC	
902	3		SM							
901	4									
900	5				R2	118.4	9.9	17	MC	
899	6									
898	7		SP-SM	Sand w/ silt (SP-SM); brown, moist, medium dense, fine to medium grained	R3	113.2	4	41	MC	
897	8									
896	9			Sand (SP); tan, slightly moist, dense, medium grained						
895	10		SP		R4	105.7	2.7	52	MC	
894	11									
893	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
892	13									
891	14									
890	15									
889	16									
888	17									
887	18									
886	19									
885	20									
884	21									
883	22									
882	23									
881	24									
880	25									
879	26									
878	27									
877	28									
876	29									
875	30									
874	31									
873	32									
872	33									
871	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-70

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-72

Location: Apron **Ground Surface Elev.:** 908.1' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
908				**Alluvium:**						
907	1			Silty sand (SM); brown, moist, medium dense, fine grained						
906	2									
905	3				R1	110.4	6.8	23	MC	
904	4									
903	5									
902	6		SM		R2	118.6	9	34	MC	
901	7									
900	8				R3	107.2	6.4	17	MC	Fines: 22.8 %
899	9									
898	10									
897	11				R4	103.7	8.8	21	MC	
896	12			TD: 11.5 feet						
895	13			No groundwater encountered.						
894	14			Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
893	15									
892	16									
891	17									
890	18									
889	19									
888	20									
887	21									
886	22									
885	23									
884	24									
883	25									
882	26									
881	27									
880	28									
879	29									
878	30									
877	31									
876	32									
875	33									
874	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-71

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-73

Location: Apron **Ground Surface Elev.:** 904.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
904	1			Asphalt: 3" AC (no base)						
903	2			**Alluvium:**						
902	3		SM	Silty sand (SM); brown, moist, medium dense, fine grained	R1	111.7	9.3	20	MC	
901	4									
900	5									
899	6				R2	118.2	11.7	24	MC	
898	7									
897	8		SP-SM	Sand w/ silt and gravel (SP-SM); tan, moist, very dense, fine to coarse grained, trace fine subrounded gravel	R3	128.8	2.2	30 50/6	MC	
896	9									
895	10									
894	11				R4	129	2.2	40 50/5	MC	
893	12			TD: 11 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
892	13									
891	14									
890	15									
889	16									
888	17									
887	18									
886	19									
885	20									
884	21									
883	22									
882	23									
881	24									
880	25									
879	26									
878	27									
877	28									
876	29									
875	30									
874	31									
873	32									
872	33									
871	34									
870	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-72

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-74

Location: Main Sort Facility **Ground Surface Elev.:** 905.4' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
905	0			Asphalt: 4" AC (no base)						
904	1			**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained						
903	2				R1	110.7	7.4	20	MC	
902	3		SM							
901	4									
900	5				R2	115.6	10.2	17	MC	
899	6									
898	7		SP-SM	Sand w/ silt (SP-SM); brown, moist, medium dense to dense, fine to medium grained	R3	120.3	3.8	43	MC	
897	8									
896	9			Sand (SP); tan, moist, dense, medium grained						
895	10		SP		R4	111.7	3	72	MC	
894	11									
893	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
892	13									
891	14									
890	15									
889	16									
888	17									
887	18									
886	19									
885	20									
884	21									
883	22									
882	23									
881	24									
880	25									
879	26									
878	27									
877	28									
876	29									
875	30									
874	31									
873	32									
872	33									
871	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-73

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-75

Location: Apron **Ground Surface Elev.:** 918.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/21/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
918	1			Asphalt: 4" AC (no base)						
917	2		SM	**Fill:** Silty sand (SM); brown, moist, medium dense, fine grained						
916	3				R1	102.3	6.5	31	MC	
915	4									
914	5			**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained						
913	6				R2	111.4	6.6	25	MC	
912	7									
911	8		SM		R3	119.7	12.2	19	MC	
910	9									
909	10									
908	11			-- trace fine subrounded gravel, at 10 feet.	R4	116.4	7.1	41	MC	
907	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
906	13									
905	14									
904	15									
903	16									
902	17									
901	18									
900	19									
899	20									
898	21									
897	22									
896	23									
895	24									
894	25									
893	26									
892	27									
891	28									
890	29									
889	30									
888	31									
887	32									
886	33									
885	34									
884	35									

Figure No.: A-74

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-76

Location: Apron **Ground Surface Elev.:** 916.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/27/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
916	1			Asphalt: 4" AC (no base)						
915	2		SM	**Alluvium:** Silty sand (SM); brown, moist, loose, fine grained						
914	3				R1	112.8	7.6	12	MC	Fines: 18.8 %
913	4									
912	5			Sand (SP); tan, moist, medium dense, fine to medium grained						
911	6				R2	105.7	4.4	19	MC	
910	7									
909	8		SP		R3	120.3	3.9	37	MC	
908	9			-- trace fine subrounded gravel, at 8 feet.						
907	10									
906	11				R4	117.1	6.6	36	MC	
905	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt.						
904	13									
903	14									
902	15									
901	16									
900	17									
899	18									
898	19									
897	20									
896	21									
895	22									
894	23									
893	24									
892	25									
891	26									
890	27									
889	28									
888	29									
887	30									
886	31									
885	32									
884	33									
883	34									
882	35									

Figure No.: A-75

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-77
Location: Apron **Ground Surface Elev.:** 917.1' **Hole Diameter:** 8" **Project No.:** SC6101
Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/21/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
917										
916	1			**Fill:**						
915	2		SP	Sand (SP); tan, moist, medium dense, medium grained						
914	3				R1	109	7.7	39	MC	
913	4									
912	5		SM	**Alluvium**: Silty Sand (SM); brown, moist, medium dense, fine grained, light oxidation						
911	6				R2	122	9.7	21	MC	
910	7									
909	8		SP-SM	Sand w/ silt and gravel (SP-SM); tan, moist, medium dense, medium to coarse sand, fine subrounded gravel	R3	123.9	2.5	42	MC	
908	9									
907	10									
906	11				R4	110.8	2.4	32	MC	
905	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings.						
904	13									
903	14									
902	15									
901	16									
900	17									
899	18									
898	19									
897	20									
896	21									
895	22									
894	23									
893	24									
892	25									
891	26									
890	27									
889	28									
888	29									
887	30									
886	31									
885	32									
884	33									
883	34									
	35									

Figure No.: A-76

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-78
Location: Apron **Ground Surface Elev.:** 917.9' **Hole Diameter:** 8" **Project No.:** SC6101
Drilling Contractor/Rig: Choice Drilling / CME-75 / Hollow-Stem **Date of Drilling:** 1/27/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
917	1			**Fill:** Silty sand (SM); brown, moist, very dense, fine grained, light oxidation						
916	2		SM							
915	3				R1	117	5.1	80	MC	
914	4									
913	5			**Alluvium:** Sand w/ silt (SP-SM); tan, moist, dense, fine to medium grained						
912	6		SP-SM		R2	115.3	2	47	MC	
911	7									
910	8			Silty sand (SM); brown, moist, medium dense to very dense, fine grained, light oxidation	R3	116.7	3.9	43	MC	
909	9		SM							
908	10									
907	11			-- trace medium to coarse subrounded gravel, at 10 feet.	R4	119.2	2	25 50/6	MC	
906	12			TD: 11 feet No groundwater encountered. Boring backfilled w/ cuttings.						
905	13									
904	14									
903	15									
902	16									
901	17									
900	18									
899	19									
898	20									
897	21									
896	22									
895	23									
894	24									
893	25									
892	26									
891	27									
890	28									
889	29									
888	30									
887	31									
886	32									
885	33									
884	34									
883	35									

Figure No.: A-77

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-79

Location: Apron **Ground Surface Elev.:** 914.3' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/24/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
914				Pavement: 3" AC (no base)						
913	1		SP-SM	**Fill:** Sand w/ silt (SP-SM); mottled tan to brown, moist, loose to medium dense, fine grained, w/ asphalt debris						
912	2				R1	109.2	3.9	15	MC	Fines: 5.1 %
911	3		SP-SM	**Alluvium:** Sand w/ silt (SP-SM); brown, moist, loose to medium dense, fine to medium grained						
910	4									
909	5			Silty sand (SM); brown, moist, loose to medium dense, fine grained, trace fine subrounded gravel	R2	109.5	7.8	21	MC	
908	6									
907	7				R3	112.6	11.4	15	MC	Fines: 31.3 %
906	8		SM							
905	9									
904	10			-- very dense, at 10 feet	R4	110.1	5.1	20 50/6	MC	
903	11			TD: 11 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
902	12									
901	13									
900	14									
899	15									
898	16									
897	17									
896	18									
895	19									
894	20									
893	21									
892	22									
891	23									
890	24									
889	25									
888	26									
887	27									
886	28									
885	29									
884	30									
883	31									
882	32									
881	33									
880	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

Figure No.: A-78

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-80

Location: Apron **Ground Surface Elev.:** 914.2' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / Limited Access Rig / Hollow-Stem **Date of Drilling:** 1/26/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
914										
913	1			**Fill:** Silty sand (SM); brown, moist, medium dense, fine grained						
912	2		SM							
911	3				R1	107	6.9	41	MC	
910	4									
909	5			**Alluvium:** Silty sand (SM); brown, moist, medium dense, fine grained						
908	6		SM		R2	105.6	5.9	19	MC	Fines: 22.9 %
907	7									
906	8		SP	Sand (SP); tan, slightly moist, medium dense, medium grained	R3	119.6	1.5	22	MC	
905	9									
904	10		SM	Silty sand (SM); brown, moist, dense, fine grained						
903	11				R4	117.4	6.3	52	MC	
902	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
901	13									
900	14									
899	15									
898	16									
897	17									
896	18									
895	19									
894	20									
893	21									
892	22									
891	23									
890	24									
889	25									
888	26									
887	27									
886	28									
885	29									
884	30									
883	31									
882	32									
881	33									
880	34									
	35									

Figure No.: A-79

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-81

Location: Apron **Ground Surface Elev.:** 914.4' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/27/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
914	0			Pavement: 4" AC (no base)						
913	1		SM	**Alluvium:** Silty sand (SM); brown, moist, loose to medium dense, fine grained						
912	2				R1	115.1	10.5	10	MC	Fines: 38.5 %
911	3									
910	4									
909	5				R2	111.2	8.2	11	MC	
908	6									
907	7				R3	116.7	5.8	18	MC	
906	8			-- medium dense; trace fine subrounded gravel, at 8 feet.						
905	9									
904	10		SP-SM	Sand w/ silt and gravel (SP-SM); tan to brown, moist, medium dense, medium grained, fine subrounded gravel	R4	108.4	3	22	MC	
903	11									
902	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
901	13									
900	14									
899	15									
898	16									
897	17									
896	18									
895	19									
894	20									
893	21									
892	22									
891	23									
890	24									
889	25									
888	26									
887	27									
886	28									
885	29									
884	30									
883	31									
882	32									
881	33									
880	34									
	35									

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Figure No.: A-80

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-82

Location: Apron **Ground Surface Elev.:** 914.2' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/24/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
914				Pavement: 3" AC (no base)						
913	1			**Alluvium:**						
912	2			Silty sand (SM); brown, moist, loose to medium dense, fine grained						
911	3				R1	107.9	7.7	21	MC	
910	4									
909	5									
908	6		SM		R2	110	6.1	9	MC	
907	7									
906	8			-- trace fine subrounded gravel, at 7 feet.	R3	121.3	4.5	16	MC	Fines: 12.6 %
905	9									
904	10									
903	11									
902	12			TD: 11.5 feet						
901	13			No groundwater encountered.						
900	14			Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
899	15									
898	16									
897	17									
896	18									
895	19									
894	20									
893	21									
892	22									
891	23									
890	24									
889	25									
888	26									
887	27									
886	28									
885	29									
884	30									
883	31									
882	32									
881	33									
880	34									
	35									

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Figure No.: A-81

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-83

Location: Apron **Ground Surface Elev.:** 912.0' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/27/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
912				Pavement: 4" AC (no base)	B1		5.3			Bulk: 1-5'
911	1			**Alluvium:**						Fines: 23.4 %
910	2			Silty sand (SM); brown, moist, loose to medium dense, fine grained						
909	3				R1	101.9	7	8	MC	
908	4									
907	5									
906	6		SM		R2	110.5	10.3	5	MC	
905	7									
904	8				R3	112.2	11.5	12	MC	
903	9									
902	10			-- medium dense, at 10 feet						
901	11				S1			38	SPT	
900	12			TD: 11.5 feet						
899	13			No groundwater encountered.						
898	14			Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
897	15									
896	16									
895	17									
894	18									
893	19									
892	20									
891	21									
890	22									
889	23									
888	24									
887	25									
886	26									
885	27									
884	28									
883	29									
882	30									
881	31									
880	32									
879	33									
878	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
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Figure No.: A-82

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-84

Location: Apron **Ground Surface Elev.:** 910.8' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/27/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
910	0			Pavement: 4" AC (no base)						
909	1		SM	**Alluvium:** Silty sand (SM); brown, moist, loose, fine grained						
908	2				R1	106.7	9.2	14	MC	Fines: 28.1 %
907	3									
906	4		SP-SM	Sand w/ silt (SP-SM); brown, moist, medium dense to dense, fine to medium grained, trace fine subrounded gravel						
905	5				R2	105.6	3.6	23	MC	
904	6									
903	7				R3	115.5	3.4	42	MC	
902	8			-- coarse gravel, at 8 feet.						
901	9									
900	10				R4	117.3	3.2	60	MC	
899	11			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
898	12									
897	13									
896	14									
895	15									
894	16									
893	17									
892	18									
891	19									
890	20									
889	21									
888	22									
887	23									
886	24									
885	25									
884	26									
883	27									
882	28									
881	29									
880	30									
879	31									
878	32									
877	33									
876	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
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Figure No.: A-83

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-85

Location: Apron **Ground Surface Elev.:** 909.5' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/27/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
909	0			Pavement: 4" AC (no base)	B1		9.5			Bulk: 1-5'
908	1			**Alluvium:**						Fines: 36.9 %
907	2			Silty sand (SM); brown, moist, loose, fine grained, trace gravel and clay	R1	111.9	14.3	11	MC	
906	3									
905	4									
904	5		SM		R2	106.9	11.7	6	MC	
903	6									
902	7				R3	116.3	14.5	13	MC	
901	8									
900	9									
899	10		SP	Sand (SP); tan, moist, loose, medium grained, trace fine subrounded gravel	R4	108.1	2.8	13	MC	
898	11									
897	12			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
896	13									
895	14									
894	15									
893	16									
892	17									
891	18									
890	19									
889	20									
888	21									
887	22									
886	23									
885	24									
884	25									
883	26									
882	27									
881	28									
880	29									
879	30									
878	31									
877	32									
876	33									
875	34									
	35									

COTTON, SHIRES AND ASSOCIATES, INC.
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Figure No.: A-84

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-86

Location: Apron **Ground Surface Elev.:** 909.1' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/27/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
909				Pavement: 3" AC (no base)						
908	1			**Alluvium:**						
907	2			Silty sand (SM); brown, moist, loose, fine grained						
906	3				R1	103.7	8.5	6	MC	
905	4									
904	5									
903	6		SM		R2	102.3	7.4	6	MC	Fines: 18.7 %
902	7									
901	8				R3	108.9	6.4	9	MC	
900	9									
899	10			-- medium dense, at 10 feet						
898	11				R4	111.8	7.8	41	MC	
897	12			TD: 11.5 feet						
896	13			No groundwater encountered.						
895	14			Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
894	15									
893	16									
892	17									
891	18									
890	19									
889	20									
888	21									
887	22									
886	23									
885	24									
884	25									
883	26									
882	27									
881	28									
880	29									
879	30									
878	31									
877	32									
876	33									
875	34									
	35									

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Figure No.: A-85

COTTON, SHIRES AND ASSOCIATES, INC.

LOG OF EXPLORATORY DRILLING

Project: SACC at OIAA **Logged By:** GH **Weather:** Clear, Sunny **Boring:** B-87

Location: Apron **Ground Surface Elev.:** 905.6' **Hole Diameter:** 8" **Project No.:** SC6101

Drilling Contractor/Rig: Choice Drilling / CME-95 / Hollow-Stem **Date of Drilling:** 1/27/2022

Elevation (feet)	Depth (feet)	Graphic Log	USCS Class.	Geotechnical Description	Sample Desig.	Dry Unit Weight (pcf)	Moisture Content (%)	Field Blow Count	Sample Type	Remarks
905	0			Pavement: 3" AC (no base)						
904	1			**Alluvium:** Silty sand (SM); brown, moist, loose to medium dense, fine grained						
903	2				R1	115.2	12.8	9	MC	Fines: 41 %
902	3		SM							
901	4									
900	5				R2	114.1	11.5	10	MC	
899	6									
898	7			Sand (SP); tan, moist, medium dense, fine to medium grained	R3	116.6	1.5	24	MC	Fines: 4.0 %
897	8		SP							
896	9			Sand w/ silt (SP-SM); tan, moist, medium dense, fine to medium grained, fine subrounded gravel						
895	10		SP-SM		S1			12	SPT	Fines: 11.3 %
894	11			TD: 11.5 feet No groundwater encountered. Boring backfilled w/ cuttings, and capped w/ cold patch asphalt at surface.						
893	12									
892	13									
891	14									
890	15									
889	16									
888	17									
887	18									
886	19									
885	20									
884	21									
883	22									
882	23									
881	24									
880	25									
879	26									
878	27									
877	28									
876	29									
875	30									
874	31									
873	32									
872	33									
871	34									
	35									

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Figure No.: A-86

APPENDIX B
LABORATORY TESTING

APPENDIX B - LABORATORY TESTING

INTRODUCTION

The laboratory analysis performed for the geotechnical investigation consisted of limited testing of the principal soil types sampled during the field investigation to evaluate index properties of subsurface materials. Laboratory tests were performed on selected driven ring or SPT and bulk soil samples to estimate engineering characteristics of the various earth materials encountered. Testing was performed in general accordance with ASTM Standards for Soil Testing and Caltrans, latest revision. The soil descriptions and the field and laboratory test results were used to assign parameters to the various materials at the site. Testing procedures are presented below, and results of the laboratory testing program are presented in Table B-1 and Figures B-1a through B-8 included in this appendix, and the boring and percolation test logs included in Appendix A.

Laboratory Moisture and Unit Weight Determinations

Moisture content and dry unit weight determinations were performed on selected driven ring samples collected to evaluate the natural water content and dry unit weight of the various soils encountered in accordance with ASTM D7263. In addition, moisture contents were determined on selected SPT or bulk samples in accordance with ASTM D2216. The results are presented on Table B-1 and on the respective boring and percolation test logs (attached).

Grain Size Distribution

Grain size distribution was determined for 31 soil samples in accordance with standard test method ASTM D422. Grain-size curves are presented on Figures B-1a through B-2e – Grain Size Distribution Curve, and the results of percent passing No. 200 Sieve are shown on Table B-1 and on the respective boring logs.

Percent Passing No. 200 Sieve

The percent passing no. 200 sieve was determined for 42 soil samples in accordance with standard test method ASTM D1140. The results of percent passing the No. 200 sieve are shown on Table B-1 and on the respective boring logs.

Direct Shear Tests

Seven multistage direct shear tests were performed on representative driven ring samples to evaluate the shear strength of earth materials. The tests were performed in accordance with standard test method ASTM D3080. Summary plots of the direct shear data are presented on Figures B-3a through B-3g – Direct Shear.

Collapse Potential Tests

Ten collapse potential tests were performed selected driven ring samples of the near surface earth material. The tests were conducted in general accordance with standard test method ASTM D5333. The results of the collapse potential test are presented on Figures B-4a through B-4j – Collapse Potential.

Maximum Unit Weight/Optimum Moisture Content Tests

Seven maximum unit weight and optimum moisture content test were performed on a selected sample of the near surface onsite soils to assess compaction characteristics. The test was performed in accordance with standard test method ASTM D1557 and the results are presented on Figures B-5a through B-5g – Modified Proctor.

R-Value Tests

One R-value test was performed on a select sample of surficial earth material. The test was performed in accordance with standard test method Caltrans Test NO. 301 and test results are presented on Figure B-6 – R-Value Test Report.

California Bearing Ratios

Three California Bearing Ratio tests were performed on selected samples of surficial earth material. The tests were performed in accordance with standard test method ASTM D1883 and test results are presented in Figures B-7a through B-7c – California Bearing Ratio.

Soil Chemistry Tests/Corrosion Tests

Two soil chemistry tests were performed on a sample to evaluate resistivity, pH, sulfate, and chloride. The results of the testing and an analysis of the corrosivity to pipe and concrete materials are summarized in the main report. Test results are presented in Table B-1.

Falling Head Permeability Tests

Four falling head permeability tests were performed on select samples of surficial earth materials. The tests were performed in accordance with standard test method ASTM D5084 and test results are presented in Figure B-8 – Summary of Permeability Test Results.

TABLE B-1 SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Depth (feet)	USCS Symbol	Moisture Content (%)	In-Situ Wet Unit Weight (pcf)	In-Situ Dry Unit Weight (pcf)	Passing #200 Sieve (%)	Shear Strength		Maximum Unit Weight / Optimum Moisture Content		Corrosion Potential			
							ϕ (deg)	c (psf)	Unit Weight (pcf)	Moisture Content (%)	Resistivity (ohm)	pH	Chorides (%)	Sulfates (%)
B-1	3	SM	9.5	124.5	113.7	31.7	--	--	--	--	--	--	--	--
B-1	6	SM	14.9	131.2	114.2	--	--	--	--	--	--	--	--	--
B-1	8	SP	5.1	119.9	114.1	--	--	--	--	--	--	--	--	--
B-1	11	SP	3.0	116.2	112.8	--	--	--	--	--	--	--	--	--
B-2	4	SM	5.2	126.3	120.1	--	--	--	--	--	--	--	--	--
B-3	3	SP-SM	3.3	105.6	102.2	5.2	--	--	--	--	--	--	--	--
B-3	6	SP-SM	12.4	138.5	123.2	--	--	--	--	--	--	--	--	--
B-3	8	SP-SM	2.2	124.2	121.5	--	--	--	--	--	--	--	--	--
B-3	11	SP-SM	2.1	121.9	119.4	--	--	--	--	--	--	--	--	--
B-4	3	ML	13.2	125.0	110.4	--	--	--	--	--	--	--	--	--
B-4	6	ML	6.9	125.3	117.2	53.6	--	--	--	--	--	--	--	--
B-4	8	ML	7.9	124.1	115.0	--	--	--	--	--	--	--	--	--
B-4	11	SP-SM	1.9	127.7	125.3	--	--	--	--	--	--	--	--	--
B-5	3	SM	8.9	129.0	118.5	30.3	--	--	--	--	--	--	--	--
B-5	6	SM	10.2	135.2	122.7	--	--	--	--	--	--	--	--	--
B-5	7.5	SP-SM	8.3	128.4	118.6	--	--	--	--	--	--	--	--	--
B-5	10	SP-SM	1.9	127.7	125.3	--	--	--	--	--	--	--	--	--
B-6	3	SM	9.1	128.6	117.9	--	--	--	--	--	--	--	--	--
B-6	6	SM	8.6	126.1	116.1	--	--	--	--	--	--	--	--	--
B-6	8	SM	8.9	133.3	122.4	--	--	--	--	--	--	--	--	--
B-6	11	SP	1.9	103.8	101.9	--	--	--	--	--	--	--	--	--
B-7	3	SM	11.3	120.4	108.2	--	--	--	--	--	--	--	--	--
B-7	6	SM	2.8	108.4	105.4	--	--	--	--	--	--	--	--	--
B-7	8	SM	3.4	119.5	115.6	--	--	--	--	--	--	--	--	--
B-7	11	SP	2.3	112.3	109.8	--	--	--	--	--	--	--	--	--
B-8	3	SM	9.1	120.0	110.0	--	--	--	--	--	--	--	--	--
B-8	6	SM	2.4	111.8	109.2	--	--	--	--	--	--	--	--	--
B-8	8	SM	1.9	119.1	116.9	--	--	--	--	--	--	--	--	--
B-8	12.5	SP	0.7	127.3	126.4	--	--	--	--	--	--	--	--	--
B-9	0-5	SM	4.8	--	--	--	--	--	--	--	--	--	--	--
B-9	3	SM	1.3	106.8	105.4	--	--	--	--	--	--	--	--	--
B-9	6	SP-SM	6.7	111.8	104.8	--	--	--	--	--	--	--	--	--

TABLE B-1 SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Depth (feet)	USCS Symbol	Moisture Content (%)	In-Situ Wet Unit Weight (pcf)	In-Situ Dry Unit Weight (pcf)	Passing #200 Sieve (%)	Shear Strength		Maximum Unit Weight / Optimum Moisture Content		Corrosion Potential			
							ϕ (deg)	c (psf)	Unit Weight (pcf)	Moisture Content (%)	Resistivity (ohm)	pH	Chorides (%)	Sulfates (%)
B-9	8	SP-SM	6.0	106.8	100.8	--	--	--	--	--	--	--	--	--
B-9	11	SP	5.3	127.3	120.9	--	--	--	--	--	--	--	--	--
B-10	0-5	SM	4.8	--	--	29.2	--	--	130.0	9.1	--	--	--	--
B-10	3	SM	8.9	122.3	112.3	--	--	--	--	--	--	--	--	--
B-10	6	SM	10.5	127.4	115.3	37.7	--	--	--	--	--	--	--	--
B-10	8	SM	10.2	122.9	111.5	--	--	--	--	--	--	--	--	--
B-10	11	SP	2.3	125.1	122.3	--	--	--	--	--	--	--	--	--
B-11	1-5	SM	6.1	--	--	25.5	--	--	--	--	--	--	--	--
B-11	3	SM	9.2	119.9	109.8	--	--	--	--	--	--	--	--	--
B-11	6	SM	11.3	132.3	118.9	--	--	--	--	--	--	--	--	--
B-11	8	SM	4.8	114.8	109.5	--	--	--	--	--	--	--	--	--
B-11	11	SP-SM	1.6	127.5	125.5	--	--	--	--	--	--	--	--	--
B-12	3	SM	6.7	112.8	105.7	18.0	--	--	--	--	--	--	--	--
B-12	6	SM	4.8	110.7	105.6	26.8	--	--	--	--	--	--	--	--
B-12	8	SM	7.6	122.2	113.6	--	--	--	--	--	--	--	--	--
B-12	11	SP-SM	2.5	119.7	116.8	--	--	--	--	--	--	--	--	--
B-13	3	SM	6.3	110.3	103.8	--	--	--	--	--	--	--	--	--
B-13	6	SM	3.7	97.9	94.4	--	--	--	--	--	--	--	--	--
B-13	8	SM	7.0	119.4	111.6	--	--	--	--	--	--	--	--	--
B-13	11	SM	2.8	113.9	110.8	--	--	--	--	--	--	--	--	--
B-14	3	SM	7.0	119.2	111.4	--	--	--	--	--	--	--	--	--
B-14	7	SP-SM	1.7	118.4	116.4	--	--	--	--	--	--	--	--	--
B-14	10	SP-SM	1.8	133.8	131.4	--	--	--	--	--	--	--	--	--
B-15	1-5	SM	4.8	--	--	21.7	--	--	134.6	7.5	--	--	--	--
B-15	2	SM	6.9	124.4	116.4	--	--	--	--	--	--	--	--	--
B-15	3.5	SM	3.9	115.6	111.3	--	--	--	--	--	--	--	--	--
B-15	6	SM	9.9	133.3	121.3	--	--	--	--	--	--	--	--	--
B-15	8	SM	4.6	118.5	113.3	--	--	--	--	--	--	--	--	--
B-15	11	SP	5.2	112.1	106.6	--	--	--	--	--	--	--	--	--
B-16	1-5	SM	6.5	--	--	33.6	--	--	--	--	--	--	--	--
B-16	2	SM	7.2	123.5	115.2	--	--	--	--	--	--	--	--	--
B-16	3.5	SM	7.6	124.0	115.2	--	--	--	--	--	--	--	--	--
B-16	6	SM	9.6	121.8	111.1	32.6	--	--	--	--	--	--	--	--
B-17	3	SM	9.8	130.7	119.0	--	--	--	--	--	--	--	--	--

TABLE B-1 SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Depth (feet)	USCS Symbol	Moisture Content (%)	In-Situ Wet Unit Weight (pcf)	In-Situ Dry Unit Weight (pcf)	Passing #200 Sieve (%)	Shear Strength		Maximum Unit Weight / Optimum Moisture Content		Corrosion Potential			
							ϕ (deg)	c (psf)	Unit Weight (pcf)	Moisture Content (%)	Resistivity (ohm)	pH	Chorides (%)	Sulfates (%)
B-17	6	SM	13.1	128.1	113.3	39.8	--	--	--	--	--	--	--	--
B-17	10	SP	2.2	130.2	127.4	--	--	--	--	--	--	--	--	--
B-18	3	SM	10.0	123.3	112.1	36.4	--	--	--	--	--	--	--	--
B-18	6	SM	16.3	145.6	125.2	--	--	--	--	--	--	--	--	--
B-18	11	SM	14.7	126.3	110.1	--	--	--	--	--	--	--	--	--
B-19	3	SM	9.1	123.5	113.2	25.1	--	--	--	--	--	--	--	--
B-19	6	SM	13.7	130.0	114.3	--	--	--	--	--	--	--	--	--
B-19	8	SM	13.7	129.7	114.1	--	--	--	--	--	--	--	--	--
B-19	11	SM	13.9	129.8	114.0	--	--	--	--	--	--	--	--	--
B-20	3	SM	10.1	114.9	104.4	29.7	--	--	--	--	--	--	--	--
B-20	6	SM	12.2	119.4	106.4	31.2	--	--	--	--	--	--	--	--
B-20	8	SM	16.6	130.4	111.8	--	--	--	--	--	--	--	--	--
B-20	11	SM	14.0	134.1	117.6	--	--	--	--	--	--	--	--	--
B-21	3	SM	6.2	104.6	98.5	15.5	--	--	--	--	--	--	--	--
B-21	6	SP-SM	5.4	105.3	99.9	10.9	--	--	--	--	--	--	--	--
B-21	8	SM	10.0	120.7	109.7	34.9	--	--	--	--	--	--	--	--
B-21	11	SM	7.5	136.7	127.2	--	--	--	--	--	--	--	--	--
B-22	3	SM	7.6	113.0	105.0	--	--	--	--	--	--	--	--	--
B-22	6	SP-SM	6.7	114.8	107.6	--	--	--	--	--	--	--	--	--
B-22	11	SM	8.5	134.4	123.9	--	--	--	--	--	--	--	--	--
B-23	3	SM	6.7	115.1	107.9	15.5	--	--	--	--	--	--	--	--
B-23	6	SM	9.4	129.6	118.5	34.2	--	--	--	--	--	--	--	--
B-23	8	SM	5.9	126.1	119.1	--	--	--	--	--	--	--	--	--
B-23	11	SM	5.4	132.2	125.4	--	--	--	--	--	--	--	--	--
B-24	3	SM	6.7	115.1	107.9	--	--	--	--	--	--	--	--	--
B-24	6	SP	9.4	129.6	118.5	--	--	--	--	--	--	--	--	--
B-24	11	SM	5.4	132.2	125.4	--	--	--	--	--	--	--	--	--
B-25	3	SP-SM	7.2	112.5	104.9	--	--	--	--	--	--	--	--	--
B-25	6	SP-SM	3.3	108.4	104.9	--	--	--	--	--	--	--	--	--
B-25	8	SM	13.6	131.5	115.8	--	--	--	--	--	--	--	--	--
B-25	11	SP-SM	8.9	123.6	113.5	--	--	--	--	--	--	--	--	--
B-26	3	SP-SM	2.7	113.3	110.3	9.9	--	--	--	--	--	--	--	--
B-26	6	SP-SM	1.4	113.3	111.7	--	--	--	--	--	--	--	--	--
B-26	8	SP-SM	1.3	129.2	127.5	--	--	--	--	--	--	--	--	--

TABLE B-1 SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Depth (feet)	USCS Symbol	Moisture Content (%)	In-Situ Wet Unit Weight (pcf)	In-Situ Dry Unit Weight (pcf)	Passing #200 Sieve (%)	Shear Strength		Maximum Unit Weight / Optimum Moisture Content		Corrosion Potential			
							ϕ (deg)	c (psf)	Unit Weight (pcf)	Moisture Content (%)	Resistivity (ohm)	pH	Chorides (%)	Sulfates (%)
B-26	11	SM	3.1	124.3	120.6	--	--	--	--	--	--	--	--	--
B-27	3	SM	8.9	111.5	102.4	--	--	--	--	--	--	--	--	--
B-27	6	SM	9.6	125.9	114.9	--	--	--	--	--	--	--	--	--
B-27	8	SM	8.0	128.2	118.7	--	--	--	--	--	--	--	--	--
B-27	11	SP-SM	4.2	129.0	123.8	--	--	--	--	--	--	--	--	--
B-27	13	SP-SM	8.9	123.6	113.5	--	--	--	--	--	--	--	--	--
B-27	21	SM	8.9	123.6	113.5	--	--	--	--	--	--	--	--	--
B-28	3	SP-SM	7.1	110.4	103.1	12.7	--	--	--	--	--	--	--	--
B-28	6	SM	6.5	117.0	109.9	17.6	--	--	--	--	--	--	--	--
B-28	8	SM	4.2	120.5	115.6	--	--	--	--	--	--	--	--	--
B-28	11	SM	2.6	118.1	115.1	--	--	--	--	--	--	--	--	--
B-29	3	SM	7.8	112.7	104.5	--	--	--	--	--	--	--	--	--
B-29	6	SM	9.5	128.3	117.2	--	--	--	--	--	--	--	--	--
B-29	7.5	SP-SM	3.9	123.3	118.7	--	--	--	--	--	--	--	--	--
B-29	10	SP-SM	2.7	131.0	127.6	--	--	--	--	--	--	--	--	--
B-29	13.5	SM	3.2	116.3	112.7	--	--	--	--	--	--	--	--	--
B-29	15	SP-SM	2.3	130.9	128.0	--	--	--	--	--	--	--	--	--
B-30	3	SM	8.7	110.1	101.3	30.6	--	--	--	--	--	--	--	--
B-30	6	SM	9.2	123.5	113.1	39.9	--	--	--	--	--	--	--	--
B-30	8	SM	11.3	123.2	110.7	--	--	--	--	--	--	--	--	--
B-30	11	SM	11.7	124.1	111.1	--	--	--	--	--	--	--	--	--
B-31	3	SP-SM	3.8	107.7	103.8	5.5	--	--	--	--	--	--	--	--
B-31	6	SP	4.8	106.8	101.9	3.8	--	--	--	--	--	--	--	--
B-31	8	SP	4.4	113.3	108.5	--	--	--	--	--	--	--	--	--
B-31	11	SP	4.9	117.9	112.4	--	--	--	--	--	--	--	--	--
B-32	3	SM	6.4	109.5	102.9	--	--	--	--	--	--	--	--	--
B-32	6	SP	5.1	125.5	119.4	--	--	--	--	--	--	--	--	--
B-32	8	SP	11.4	121.8	109.3	--	--	--	--	--	--	--	--	--
B-32	11	SP	4.9	106.3	101.3	--	--	--	--	--	--	--	--	--
B-33	0-5	SM	7.4	--	--	--	--	--	--	--	--	--	--	--
B-33	3	SM	10.1	120.3	109.3	--	--	--	--	--	--	--	--	--
B-33	6	SM	10.1	121.6	110.4	--	--	--	--	--	--	--	--	--
B-33	8	SM	13.5	122.0	107.5	--	--	--	--	--	--	--	--	--
B-33	11	SM	7.2	112.0	104.5	--	--	--	--	--	--	--	--	--

TABLE B-1 SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Depth (feet)	USCS Symbol	Moisture Content (%)	In-Situ Wet Unit Weight (pcf)	In-Situ Dry Unit Weight (pcf)	Passing #200 Sieve (%)	Shear Strength		Maximum Unit Weight / Optimum Moisture Content		Corrosion Potential			
							ϕ (deg)	c (psf)	Unit Weight (pcf)	Moisture Content (%)	Resistivity (ohm)	pH	Chorides (%)	Sulfates (%)
B-34	3	SM	11.5	117.7	105.6	--	--	--	--	--	--	--	--	--
B-34	6	SM	11.4	125.0	112.2	--	--	--	--	--	--	--	--	--
B-34	8	SM	5.4	113.0	107.2	--	--	--	--	--	--	--	--	--
B-34	11	SP-SM	4.1	116.4	111.8	--	--	--	--	--	--	--	--	--
B-35	3	SM	6.9	121.2	113.4	18.4	--	--	--	--	--	--	--	--
B-35	6	SP-SM	4.8	113.0	107.8	--	--	--	--	--	--	--	--	--
B-35	8	SP-SM	3.5	109.4	105.7	--	--	--	--	--	--	--	--	--
B-35	11	SP-SM	6.6	121.1	113.6	--	--	--	--	--	--	--	--	--
B-36	3	SM	6.2	118.5	111.6	--	--	--	--	--	--	--	--	--
B-36	6	SM	6.4	118.1	111.0	--	--	--	--	--	--	--	--	--
B-36	8	SM	6.4	114.6	107.7	--	--	--	--	--	--	--	--	--
B-36	11	SM	4.5	108.3	103.6	--	--	--	--	--	--	--	--	--
B-36	16	SM	3.4	117.5	113.6	--	--	--	--	--	--	--	--	--
B-37	3	SM	7.7	111.3	103.3	--	--	--	--	--	--	--	--	--
B-37	6	SM	10.0	119.0	108.2	--	126	30	--	--	--	--	--	--
B-37	8	SM	8.0	122.0	113.0	--	--	--	--	--	--	--	--	--
B-37	11	SM	14.0	119.1	104.5	--	--	--	--	--	--	--	--	--
B-37	21	SM	10.9	112.6	101.5	--	--	--	--	--	--	--	--	--
B-38	1-5	SM	5.8	--	--	30.5	--	--	--	--	14,000	7.36	0.00245	0.001
B-38	3	SM	9.8	116.9	106.5	--	--	--	--	--	--	--	--	--
B-38	6	SM	9.6	116.4	106.2	31.6	--	--	--	--	--	--	--	--
B-38	8	SM	9.5	116.2	106.1	--	--	--	--	--	--	--	--	--
B-38	11	SM	9.8	113.6	103.5	--	--	--	--	--	--	--	--	--
B-38	16	SM	3.5	101.8	98.4	--	--	--	--	--	--	--	--	--
B-38	20	SM	--	--	--	24.9	--	--	--	--	--	--	--	--
B-38	26	SM	--	--	--	--	91	37	--	--	--	--	--	--
B-39	3	SM	6.0	115.5	109.0	--	--	--	--	--	--	--	--	--
B-39	6	SM	3.9	112.4	108.2	--	--	--	--	--	--	--	--	--
B-39	8	SM	7.6	115.5	107.3	--	--	--	--	--	--	--	--	--
B-39	11	SM	8.9	113.3	104.0	--	180	32	--	--	--	--	--	--
B-39	21	SM	3.1	113.1	109.7	--	--	--	--	--	--	--	--	--
B-40	3	SM	10.4	119.1	107.9	--	--	--	--	--	--	--	--	--
B-40	6	SM	9.4	122.7	112.2	--	--	--	--	--	--	--	--	--
B-40	8	SM	3.0	125.5	121.8	--	--	--	--	--	--	--	--	--

TABLE B-1 SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Depth (feet)	USCS Symbol	Moisture Content (%)	In-Situ Wet Unit Weight (pcf)	In-Situ Dry Unit Weight (pcf)	Passing #200 Sieve (%)	Shear Strength		Maximum Unit Weight / Optimum Moisture Content		Corrosion Potential			
							ϕ (deg)	c (psf)	Unit Weight (pcf)	Moisture Content (%)	Resistivity (ohm)	pH	Chorides (%)	Sulfates (%)
B-40	11	SP	3.2	107.6	104.3	--	--	--	--	--	--	--	--	--
B-40	21	SP	2.6	115.4	112.5	--	--	--	--	--	--	--	--	--
B-41	1-6	SM	4.7	--	--	23.7	--	--	126.3	9.5	--	--	--	--
B-41	3	SM	5.2	112.6	107.0	--	--	--	--	--	--	--	--	--
B-41	6	SM	2.6	109.0	106.2	--	--	--	--	--	--	--	--	--
B-41	8	SM	3.8	118.2	113.9	--	--	--	--	--	--	--	--	--
B-41	11	SM	2.0	109.1	107.0	--	--	--	--	--	--	--	--	--
B-41	16	SP	2.6	115.4	112.5	--	--	--	--	--	--	--	--	--
B-42	3	SM	9.3	124.3	113.7	--	--	--	--	--	--	--	--	--
B-42	6	SM	11.9	130.8	116.9	--	--	--	--	--	--	--	--	--
B-42	11	SP-SM	1.7	130.8	128.6	--	--	--	--	--	--	--	--	--
B-43	3	SM	7.2	112.9	105.3	--	--	--	--	--	--	--	--	--
B-43	6	SM	7.4	112.7	104.9	--	--	--	--	--	--	--	--	--
B-43	8	SP-SM	2.9	128.6	125.0	--	--	--	--	--	--	--	--	--
B-43	11	SM	11.2	115.4	103.8	--	--	--	--	--	--	--	--	--
B-44	3	SM	6.5	112.6	105.7	--	--	--	--	--	--	--	--	--
B-44	6	SM	8.3	126.0	116.3	--	--	--	--	--	--	--	--	--
B-45	3	SM	6.6	118.9	111.5	--	--	--	--	--	--	--	--	--
B-45	6	SP	5.3	109.0	103.5	--	--	--	--	--	--	--	--	--
B-45	11	SM	7.1	118.1	110.3	--	--	--	--	--	--	--	--	--
B-47	1-5	SM	5.0	--	--	25.8	--	--	131.0	8.0	--	--	--	--
B-47	3	SM	6.4	122.5	115.1	--	--	--	--	--	--	--	--	--
B-47	6	SM	11.9	117.7	105.2	--	--	--	--	--	--	--	--	--
B-47	8	SM	10.3	125.7	114.0	--	--	--	--	--	--	--	--	--
B-47	11	SM	11.5	139.3	124.9	--	--	--	--	--	--	--	--	--
B-48	3	SM	7.1	118.9	111.0	--	--	--	--	--	--	--	--	--
B-48	6	SP-SM	4.3	113.6	108.9	--	--	--	--	--	--	--	--	--
B-48	8	SM	8.4	115.7	106.7	--	--	--	--	--	--	--	--	--
B-48	11	SM	8.7	125.8	115.7	--	--	--	--	--	--	--	--	--
B-49	2.5	SM	4.0	122.5	117.8	--	--	--	--	--	--	--	--	--
B-49	6	SM	7.3	113.4	105.7	--	--	--	--	--	--	--	--	--
B-49	8	SM	5.6	109.2	103.4	--	--	--	--	--	--	--	--	--
B-49	11	SM	5.9	118.6	112.0	--	--	--	--	--	--	--	--	--
B-50	3	SM	3.6	117.0	112.9	--	--	--	--	--	--	--	--	--

TABLE B-1 SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Depth (feet)	USCS Symbol	Moisture Content (%)	In-Situ Wet Unit Weight (pcf)	In-Situ Dry Unit Weight (pcf)	Passing #200 Sieve (%)	Shear Strength		Maximum Unit Weight / Optimum Moisture Content		Corrosion Potential			
							ϕ (deg)	c (psf)	Unit Weight (pcf)	Moisture Content (%)	Resistivity (ohm)	pH	Chorides (%)	Sulfates (%)
B-50	6	SM	7.2	116.1	108.3	19.0	--	--	--	--	--	--	--	--
B-50	8	SM	12.5	127.5	113.3	33.0	--	--	--	--	--	--	--	--
B-50	11	SP	3.1	131.6	127.6	--	--	--	--	--	--	--	--	--
B-50	21	SP	2.2	114.6	112.1	--	--	--	--	--	--	--	--	--
B-50	25	SM	--	--	--	15.7	--	--	--	--	--	--	--	--
B-51	3	SM	6.0	124.1	117.1	--	--	--	--	--	--	--	--	--
B-51	6	SM	9.1	129.4	118.6	--	--	--	--	--	--	--	--	--
B-51	7.5	SM	3.7	129.9	125.3	--	--	--	--	--	--	--	--	--
B-51	10	SM	6.5	122.2	114.7	--	--	--	--	--	--	--	--	--
B-51	15.5	SM	3.0	128.8	125.0	--	--	--	--	--	--	--	--	--
B-51	25.5	SP	5.2	106.5	101.2	--	--	--	--	--	--	--	--	--
B-52	3	SM	8.5	114.8	105.8	--	--	--	--	--	--	--	--	--
B-52	6	SM	7.7	126.9	117.8	--	--	--	--	--	--	--	--	--
B-52	8	SM	7.1	126.8	118.4	--	--	--	--	--	--	--	--	--
B-52	11	SM	4.0	116.2	111.7	--	--	--	--	--	--	--	--	--
B-52	21	SM	8.7	120.4	110.8	--	--	--	--	--	--	--	--	--
B-53	3	SM	13.5	109.0	96.0	--	--	--	--	--	--	--	--	--
B-53	6	SM	11.4	131.1	117.7	--	--	--	--	--	--	--	--	--
B-53	8	SM	2.7	121.4	118.2	--	--	--	--	--	--	--	--	--
B-53	11	SP	1.6	132.2	130.1	--	--	--	--	--	--	--	--	--
B-54	3	SM	12.8	122.7	108.8	--	--	--	--	--	--	--	--	--
B-54	6	SM	6.6	136.4	128.0	--	--	--	--	--	--	--	--	--
B-54	11	SM	9.0	122.1	112.0	--	--	--	--	--	--	--	--	--
B-55	0-5	SM	6.0	--	--	--	--	--	125.2	10.0	--	--	--	--
B-55	3	SM	6.5	111.9	105.1	--	--	--	--	--	--	--	--	--
B-55	6	SM	8.8	123.3	113.3	--	--	--	--	--	--	--	--	--
B-55	8	SM	8.8	115.3	106.0	--	--	--	--	--	--	--	--	--
B-55	11	SM	14.6	123.3	107.6	--	--	--	--	--	--	--	--	--
B-56	3	SM	12.2	120.7	107.6	35.9	--	--	--	--	--	--	--	--
B-56	6	SM	6.6	111.4	104.5	22.6	--	--	--	--	--	--	--	--
B-56	8	SM	7.9	117.7	109.1	23.1	--	--	--	--	--	--	--	--
B-56	11	SP-SM	3.0	129.1	125.3	--	--	--	--	--	--	--	--	--
B-57	1-6	SM	6.8	--	--	27.7	--	--	128.3	8.9	--	--	--	--
B-57	3	SM	7.1	109.7	102.4	--	--	--	--	--	--	--	--	--

TABLE B-1 SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Depth (feet)	USCS Symbol	Moisture Content (%)	In-Situ Wet Unit Weight (pcf)	In-Situ Dry Unit Weight (pcf)	Passing #200 Sieve (%)	Shear Strength		Maximum Unit Weight / Optimum Moisture Content		Corrosion Potential			
							ϕ (deg)	c (psf)	Unit Weight (pcf)	Moisture Content (%)	Resistivity (ohm)	pH	Chorides (%)	Sulfates (%)
B-57	6	SM	7.3	113.2	105.5	--	--	--	--	--	--	--	--	--
B-57	8	SM	8.4	118.2	109.0	--	--	--	--	--	--	--	--	--
B-57	11	SP	3.1	115.6	112.1	--	--	--	--	--	--	--	--	--
B-58	3	SM	7.2	117.9	110.0	24.0	--	--	--	--	--	--	--	--
B-58	6	SM	7.5	114.6	106.6	--	--	--	--	--	--	--	--	--
B-58	8	SP-SM	5.7	108.3	102.5	--	--	--	--	--	--	--	--	--
B-58	11	SP-SM	5.1	119.3	113.5	--	--	--	--	--	--	--	--	--
B-59	3	SM	4.7	111.5	106.5	--	--	--	--	--	--	--	--	--
B-59	6	SM	2.6	106.5	103.8	--	--	--	--	--	--	--	--	--
B-59	8	SM	1.7	117.7	115.7	--	--	--	--	--	--	--	--	--
B-59	11	SP-SM	2.6	126.1	122.9	--	--	--	--	--	--	--	--	--
B-60	3	SM	6.7	118.7	111.2	--	--	--	--	--	--	--	--	--
B-60	6	SP-SM	3.8	113.3	109.2	--	--	--	--	--	--	--	--	--
B-60	8	SP-SM	3.0	122.7	119.1	--	--	--	--	--	--	--	--	--
B-60	11	SM	11.4	125.3	112.5	--	--	--	--	--	--	--	--	--
B-60	21	SM	7.7	113.8	105.7	--	--	--	--	--	--	--	--	--
B-61	0-8	SM	4.8	--	--	--	--	--	--	--	30,000	7.46	0.00275	0.001
B-61	3	SM	7.3	117.8	109.8	15.8	--	--	--	--	--	--	--	--
B-61	6	SP-SM	5.7	112.8	106.7	9.4	148	31	--	--	--	--	--	--
B-61	8	SP-SM	4.2	111.8	107.3	7.6	--	--	--	--	--	--	--	--
B-61	11	SM	5.4	120.2	114.0	13.5	122	33	--	--	--	--	--	--
B-61	17	SP	3.4	109.4	105.8	3.1	--	--	--	--	--	--	--	--
B-61	26	SP	12.0	115.9	103.5	--	--	--	--	--	--	--	--	--
B-62	3	SM	7.3	110.6	103.1	--	--	--	--	--	--	--	--	--
B-62	6	SM	5.1	113.6	108.1	--	--	--	--	--	--	--	--	--
B-62	8	SM	12.2	131.5	117.2	--	--	--	--	--	--	--	--	--
B-62	11	SP	1.7	127.2	125.1	--	--	--	--	--	--	--	--	--
B-62	20.5	SP	3.1	117.2	113.7	--	--	--	--	--	--	--	--	--
B-63	3	SM	5.6	114.9	108.8	--	--	--	--	--	--	--	--	--
B-63	6	SM	2.5	112.8	110.0	--	--	--	--	--	--	--	--	--
B-63	8	SP-SM	3.3	118.4	114.6	--	--	--	--	--	--	--	--	--
B-63	11	SP-SM	2.4	119.4	116.6	--	--	--	--	--	--	--	--	--
B-64	3	SM	7.8	111.2	103.2	--	--	--	--	--	--	--	--	--
B-64	6	SP-SM	4.1	121.0	116.2	--	--	--	--	--	--	--	--	--

TABLE B-1 SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Depth (feet)	USCS Symbol	Moisture Content (%)	In-Situ Wet Unit Weight (pcf)	In-Situ Dry Unit Weight (pcf)	Passing #200 Sieve (%)	Shear Strength		Maximum Unit Weight / Optimum Moisture Content		Corrosion Potential			
							ϕ (deg)	c (psf)	Unit Weight (pcf)	Moisture Content (%)	Resistivity (ohm)	pH	Chorides (%)	Sulfates (%)
B-64	7.5	SM	6.6	115.3	108.2	--	--	--	--	--	--	--	--	--
B-64	10	SM	6.7	109.3	102.4	--	--	--	--	--	--	--	--	--
B-65	3	SM	9.1	115.4	105.8	31.6	--	--	--	--	--	--	--	--
B-65	6	SM	11.5	105.7	94.8	--	--	--	--	--	--	--	--	--
B-65	8	SM	7.4	127.8	119.0	--	--	--	--	--	--	--	--	--
B-65	11	SP	6.7	109.3	102.4	--	--	--	--	--	--	--	--	--
B-66	3	SM	10.6	124.6	112.7	--	--	--	--	--	--	--	--	--
B-66	6	SM	9.8	123.9	112.8	31.1	--	--	--	--	--	--	--	--
B-66	8	SM	10.9	124.8	112.5	--	--	--	--	--	--	--	--	--
B-66	11	SP	2.4	110.5	107.9	--	--	--	--	--	--	--	--	--
B-67	3	SM	8.1	115.0	106.4	--	--	--	--	--	--	--	--	--
B-67	6	SM	9.3	128.5	117.6	--	--	--	--	--	--	--	--	--
B-67	8	SM	9.9	131.1	119.3	--	--	--	--	--	--	--	--	--
B-67	11	SM	5.3	119.7	113.7	--	--	--	--	--	--	--	--	--
B-68	3	SM	8.0	119.9	111.0	--	--	--	--	--	--	--	--	--
B-68	6	SM	10.9	119.1	107.4	37.1	--	--	--	--	--	--	--	--
B-68	8	SM	12.7	134.6	119.4	40.9	--	--	--	--	--	--	--	--
B-68	11	SP-SM	2.5	117.1	114.2	3.9	--	--	--	--	--	--	--	--
B-68	15	SM	--	--	--	17.0	--	--	--	--	--	--	--	--
B-68	21	SM	14.6	131.2	114.5	45.7	642	29	--	--	--	--	--	--
B-68	25	ML	--	--	--	56.0	--	--	--	--	--	--	--	--
B-68	31	ML	--	--	--	56.0	568	33	--	--	--	--	--	--
B-68	35	SM	--	--	--	29.1	--	--	--	--	--	--	--	--
B-68	45	SM	--	--	--	30.5	--	--	--	--	--	--	--	--
B-69	3	SM	6.1	113.2	106.7	--	--	--	--	--	--	--	--	--
B-69	6	SM	2.5	112.0	109.3	--	--	--	--	--	--	--	--	--
B-69	8	SM	4.0	120.1	115.5	--	--	--	--	--	--	--	--	--
B-69	11	SP-SM	1.3	122.5	120.9	--	--	--	--	--	--	--	--	--
B-69	21	SP-SM	11.5	124.4	111.6	--	--	--	--	--	--	--	--	--
B-70	3	SM	7.6	114.1	106.0	--	--	--	--	--	--	--	--	--
B-70	6	SM	10.6	126.7	114.6	--	--	--	--	--	--	--	--	--
B-70	8	SP-SM	6.6	118.9	111.5	--	--	--	--	--	--	--	--	--
B-70	11	SP-SM	2.6	117.5	114.5	--	--	--	--	--	--	--	--	--
B-70	15.5	SM	2.7	131.8	128.3	--	--	--	--	--	--	--	--	--

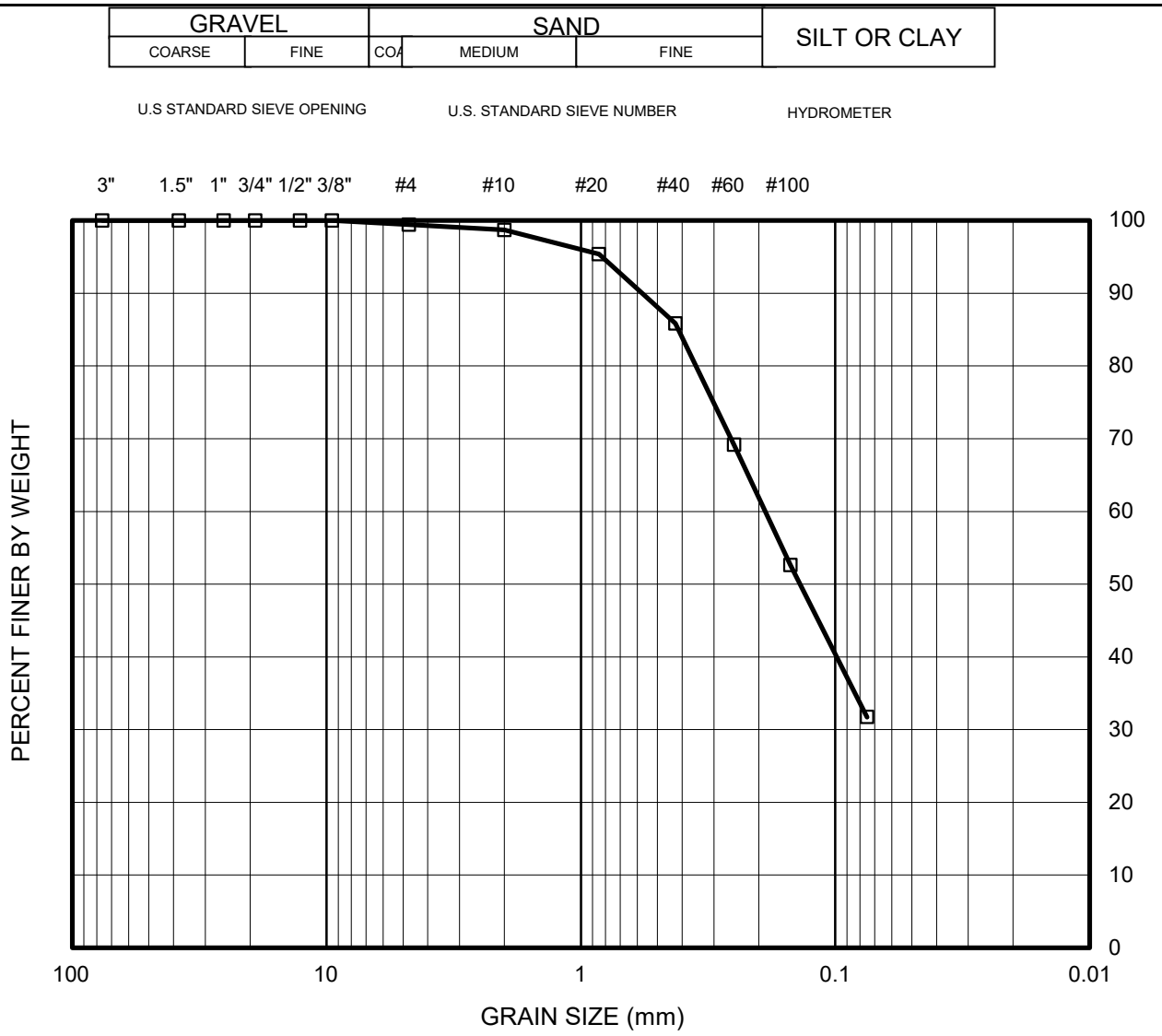
TABLE B-1 SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Depth (feet)	USCS Symbol	Moisture Content (%)	In-Situ Wet Unit Weight (pcf)	In-Situ Dry Unit Weight (pcf)	Passing #200 Sieve (%)	Shear Strength		Maximum Unit Weight / Optimum Moisture Content		Corrosion Potential			
							ϕ (deg)	c (psf)	Unit Weight (pcf)	Moisture Content (%)	Resistivity (ohm)	pH	Chorides (%)	Sulfates (%)
B-70	26	SM	4.0	128.1	123.2	--	--	--	--	--	--	--	--	--
B-71	3	SM	16.3	116.1	99.8	--	--	--	--	--	--	--	--	--
B-71	6	SM	9.9	130.1	118.4	--	--	--	--	--	--	--	--	--
B-71	8	SP-SM	4.0	117.7	113.2	--	--	--	--	--	--	--	--	--
B-71	11	SP	2.7	108.6	105.7	--	--	--	--	--	--	--	--	--
B-72	3	SM	6.8	117.9	110.4	--	--	--	--	--	--	--	--	--
B-72	6	SM	9.0	129.3	118.6	--	--	--	--	--	--	--	--	--
B-72	8	SM	6.4	114.1	107.2	22.8	--	--	--	--	--	--	--	--
B-72	11	SM	8.8	112.8	103.7	--	--	--	--	--	--	--	--	--
B-73	3	SM	9.3	122.1	111.7	--	--	--	--	--	--	--	--	--
B-73	6	SM	11.7	132.0	118.2	--	--	--	--	--	--	--	--	--
B-73	8	SP-SM	2.2	131.6	128.8	--	--	--	--	--	--	--	--	--
B-73	10.5	SP-SM	2.2	131.8	129.0	--	--	--	--	--	--	--	--	--
B-74	3	SM	7.4	118.9	110.7	--	--	--	--	--	--	--	--	--
B-74	6	SM	10.2	127.4	115.6	--	--	--	--	--	--	--	--	--
B-74	8	SP-SM	3.8	124.9	120.3	--	--	--	--	--	--	--	--	--
B-74	11	SP	3.0	115.1	111.7	--	--	--	--	--	--	--	--	--
B-75	3	SM	6.5	108.9	102.3	--	--	--	--	--	--	--	--	--
B-75	6	SM	6.6	118.8	111.4	--	--	--	--	--	--	--	--	--
B-75	8	SM	12.2	134.3	119.7	--	--	--	--	--	--	--	--	--
B-75	11	SM	7.1	124.7	116.4	--	--	--	--	--	--	--	--	--
B-76	3	SM	7.6	121.4	112.8	18.8	--	--	--	--	--	--	--	--
B-76	6	SP	4.4	110.4	105.7	--	--	--	--	--	--	--	--	--
B-76	8	SP	3.9	125.0	120.3	--	--	--	--	--	--	--	--	--
B-76	11	SP	6.6	124.8	117.1	--	--	--	--	--	--	--	--	--
B-77	3	SP	7.7	117.4	109.0	--	--	--	--	--	--	--	--	--
B-77	6	SM	9.7	133.8	122.0	--	--	--	--	--	--	--	--	--
B-77	8	SP-SM	2.5	127.0	123.9	--	--	--	--	--	--	--	--	--
B-77	11	SP-SM	2.4	113.5	110.8	--	--	--	--	--	--	--	--	--
B-78	3	SM	5.1	123.0	117.0	--	--	--	--	--	--	--	--	--
B-78	6	SP-SM	2.0	117.6	115.3	--	--	--	--	--	--	--	--	--
B-78	8	SM	3.9	121.3	116.7	--	--	--	--	--	--	--	--	--
B-78	11	SM	2.0	121.6	119.2	--	--	--	--	--	--	--	--	--
B-79	3	SP-SM	3.9	113.5	109.2	5.1	--	--	--	--	--	--	--	--

TABLE B-1 SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Depth (feet)	USCS Symbol	Moisture Content (%)	In-Situ Wet Unit Weight (pcf)	In-Situ Dry Unit Weight (pcf)	Passing #200 Sieve (%)	Shear Strength		Maximum Unit Weight / Optimum Moisture Content		Corrosion Potential			
							ϕ (deg)	c (psf)	Unit Weight (pcf)	Moisture Content (%)	Resistivity (ohm)	pH	Chorides (%)	Sulfates (%)
B-79	6	SM	7.8	118.0	109.5	--	--	--	--	--	--	--	--	--
B-79	8	SM	11.4	125.4	112.6	31.3	--	--	--	--	--	--	--	--
B-79	10.5	SM	5.1	115.7	110.1	--	--	--	--	--	--	--	--	--
B-80	3	SM	6.9	114.4	107.0	--	--	--	--	--	--	--	--	--
B-80	6	SM	5.9	111.8	105.6	22.9	--	--	--	--	--	--	--	--
B-80	8	SP	1.5	121.4	119.6	--	--	--	--	--	--	--	--	--
B-80	11	SM	6.3	124.8	117.4	--	--	--	--	--	--	--	--	--
B-81	3	SM	10.5	127.2	115.1	38.5	--	--	--	--	--	--	--	--
B-81	6	SM	8.2	120.3	111.2	--	--	--	--	--	--	--	--	--
B-81	8	SM	5.8	123.5	116.7	--	--	--	--	--	--	--	--	--
B-81	11	SP-SM	3.0	111.7	108.4	--	--	--	--	--	--	--	--	--
B-82	3	SM	7.7	116.2	107.9	--	--	--	--	--	--	--	--	--
B-82	6	SM	6.1	116.7	110.0	--	--	--	--	--	--	--	--	--
B-82	8	SM	4.5	126.8	121.3	12.6	--	--	--	--	--	--	--	--
B-83	1-5	SM	5.3	--	--	23.4	--	--	--	--	--	--	--	--
B-83	3	SM	7.0	109.0	101.9	--	--	--	--	--	--	--	--	--
B-83	6	SM	10.3	121.9	110.5	--	--	--	--	--	--	--	--	--
B-83	8	SM	11.5	125.1	112.2	--	--	--	--	--	--	--	--	--
B-84	3	SM	9.2	116.5	106.7	28.1	--	--	--	--	--	--	--	--
B-84	6	SP-SM	3.6	109.4	105.6	--	--	--	--	--	--	--	--	--
B-84	8	SP-SM	3.4	119.4	115.5	--	--	--	--	--	--	--	--	--
B-84	11	SP-SM	3.2	121.1	117.3	--	--	--	--	--	--	--	--	--
B-85	1-5	SM	9.5	--	--	36.9	--	--	131.5	8.5	--	--	--	--
B-85	3	SM	14.3	127.9	111.9	--	--	--	--	--	--	--	--	--
B-85	6	SM	11.7	119.4	106.9	--	--	--	--	--	--	--	--	--
B-85	8	SM	14.5	133.2	116.3	--	--	--	--	--	--	--	--	--
B-85	11	SP	2.8	111.1	108.1	--	--	--	--	--	--	--	--	--
B-86	3	SM	8.5	112.5	103.7	--	--	--	--	--	--	--	--	--
B-86	6	SM	7.4	109.9	102.3	18.7	--	--	--	--	--	--	--	--
B-86	8	SM	6.4	115.9	108.9	--	--	--	--	--	--	--	--	--
B-86	11	SM	7.8	120.5	111.8	--	--	--	--	--	--	--	--	--
B-87	3	SM	12.8	129.9	115.2	41.0	--	--	--	--	--	--	--	--
B-87	6	SM	11.5	127.2	114.1	--	--	--	--	--	--	--	--	--
B-87	8	SP	1.5	118.3	116.6	4.0	--	--	--	--	--	--	--	--
B-87	11	SP-SM	--	--	--	11.3	--	--	--	--	--	--	--	--

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
☐	B1	R1	3.0	Ring	SM	N/A	N/A

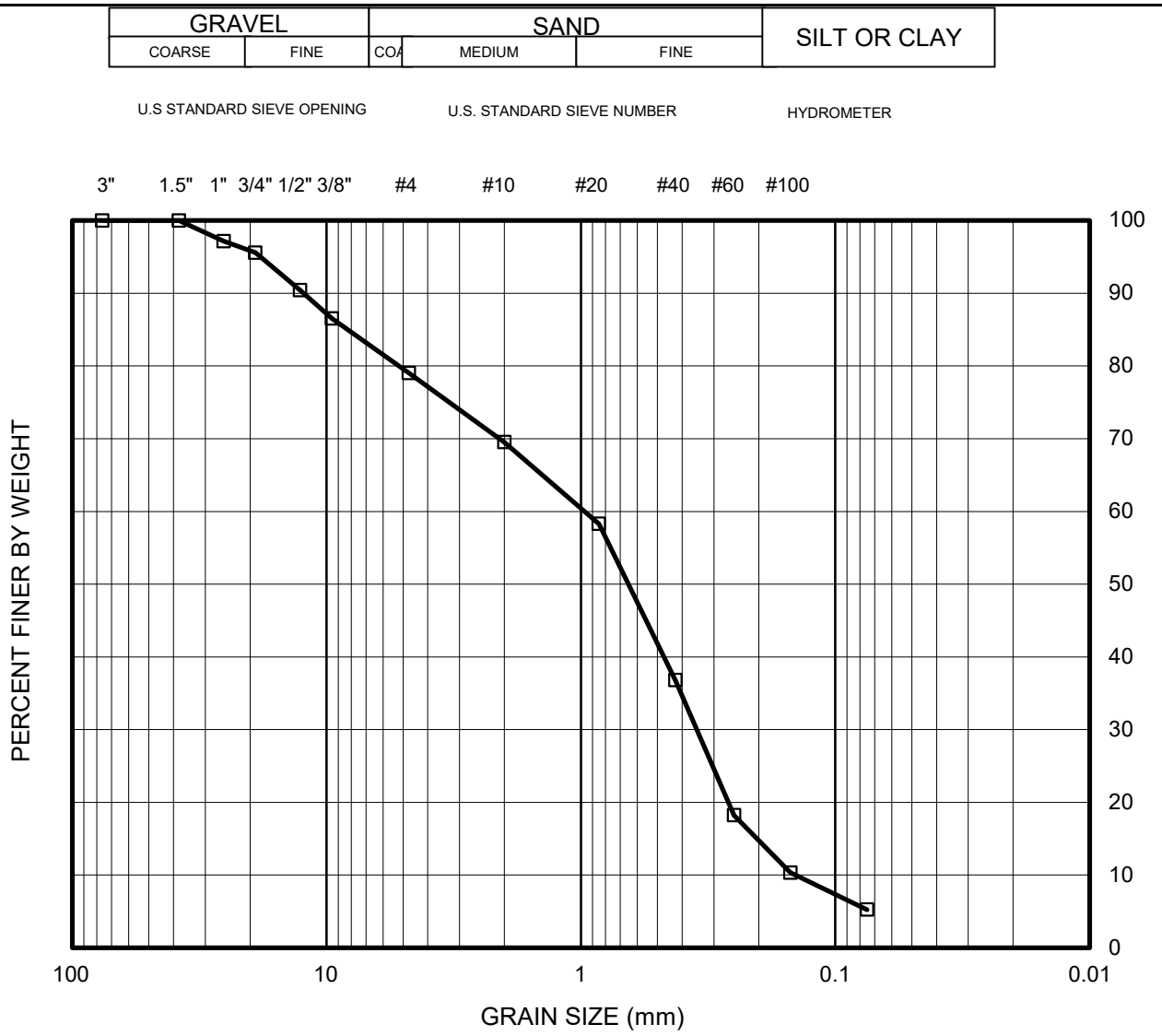
Gravel:	0.6%
Sand:	67.7%
Fine:	31.7%

	Project Name: SACC at OIAA
	Client Job No.: SC6101
	Client Name: Cotton, Shires and Associates, Inc.
	EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1a

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B3	R3	8.0	Ring	SP-SM	N/A	N/A

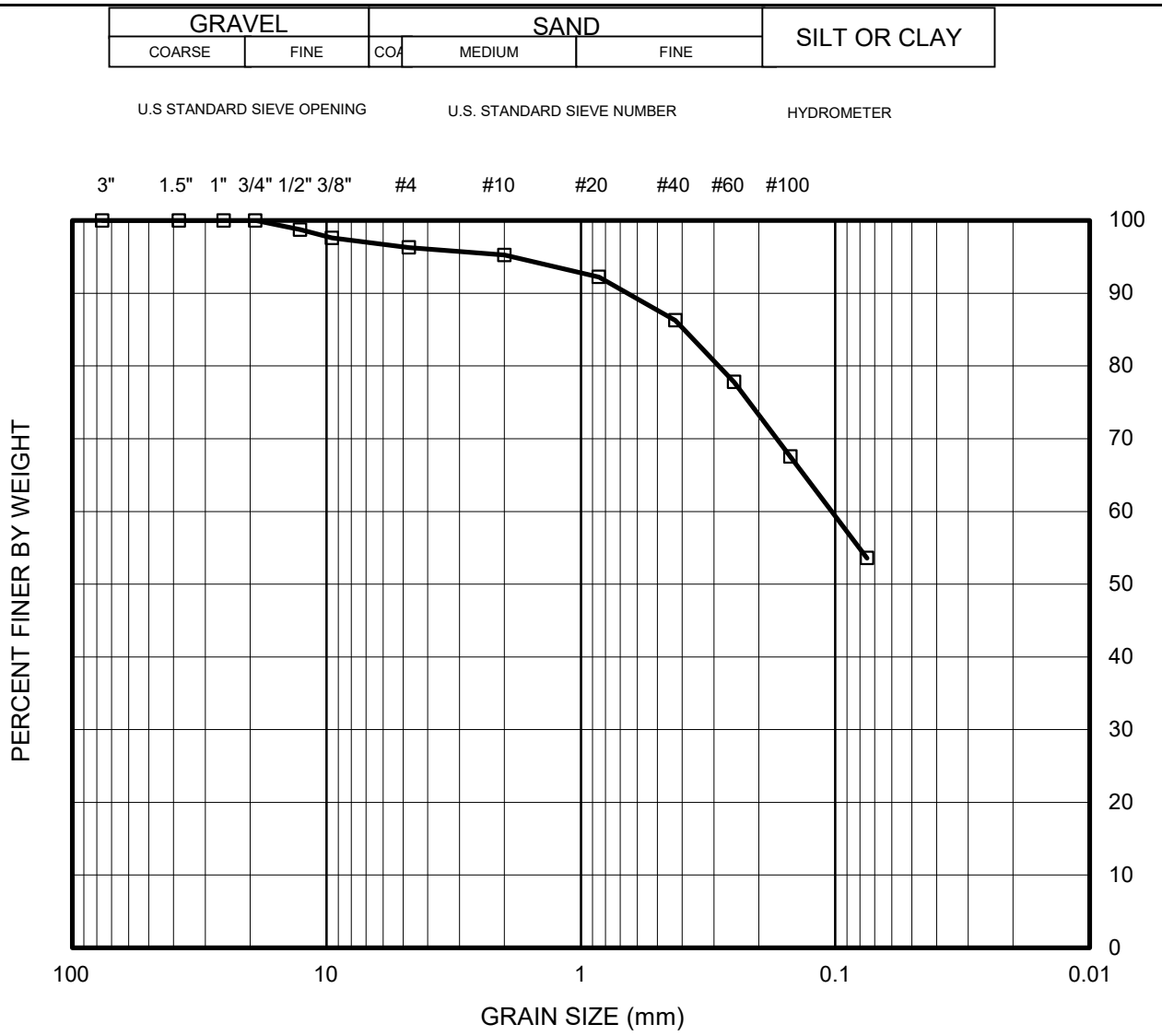
Gravel:	21.0%
Sand:	73.8%
Fine:	5.2%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1b

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
☐	B4	R1	3.0	Ring	ML	N/A	N/A

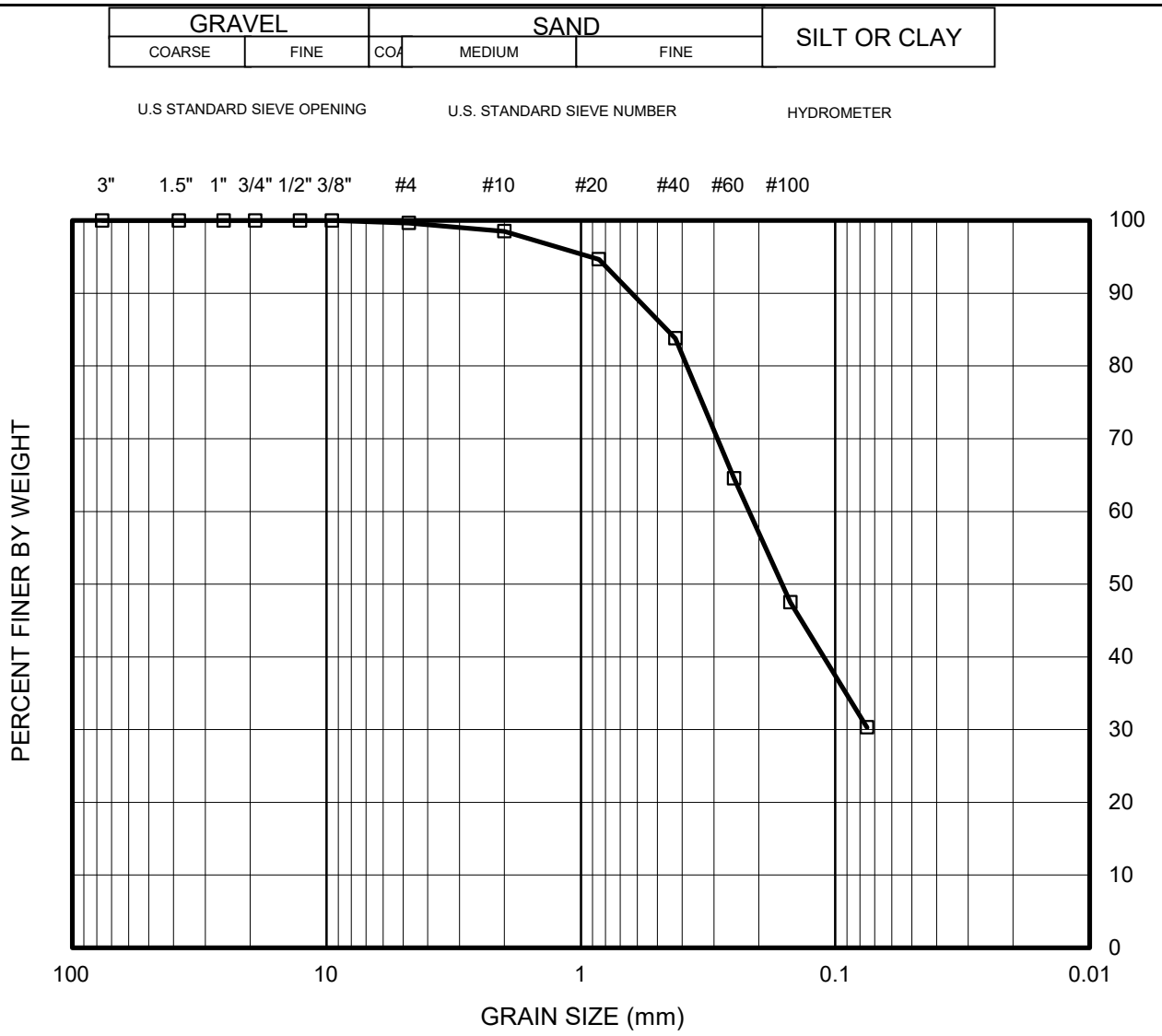
Gravel:	3.7%
Sand:	42.7%
Fine:	53.6%

	Project Name: SACC at OIAA
	Client Job No.: SC6101
	Client Name: Cotton, Shires and Associates, Inc.
	EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1c

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B5	R1	3.0	Ring	SM	N/A	N/A

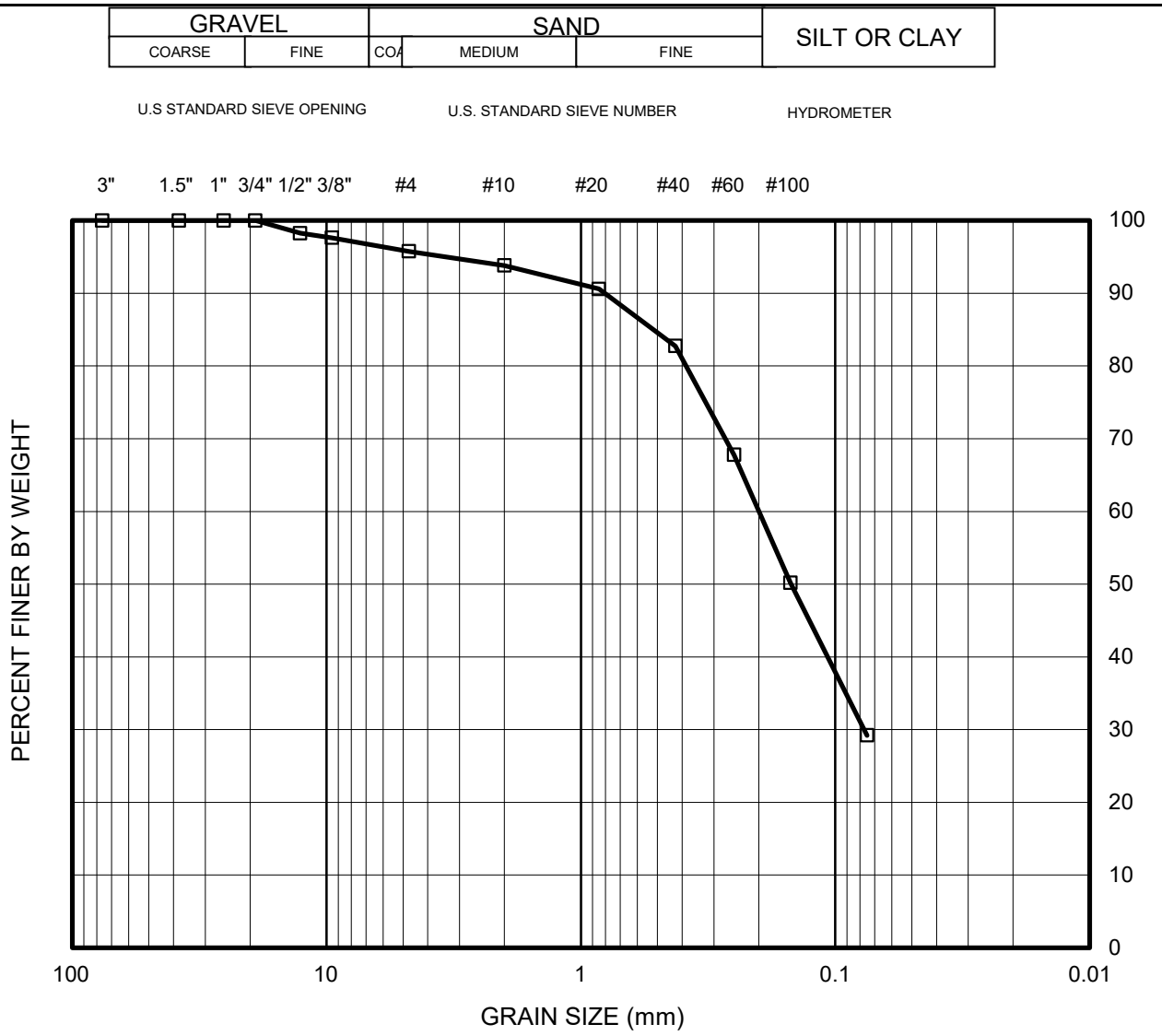
Gravel:	0.3%
Sand:	69.4%
Fine:	30.3%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1d

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B10	Bulk	1.0-5.0	Bulk	SM	N/A	N/A

Gravel:	4.2%
Sand:	66.6%
Fine:	29.2%

Project Name: SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1e

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B10	R2	6.0	Ring	SM	N/A	N/A

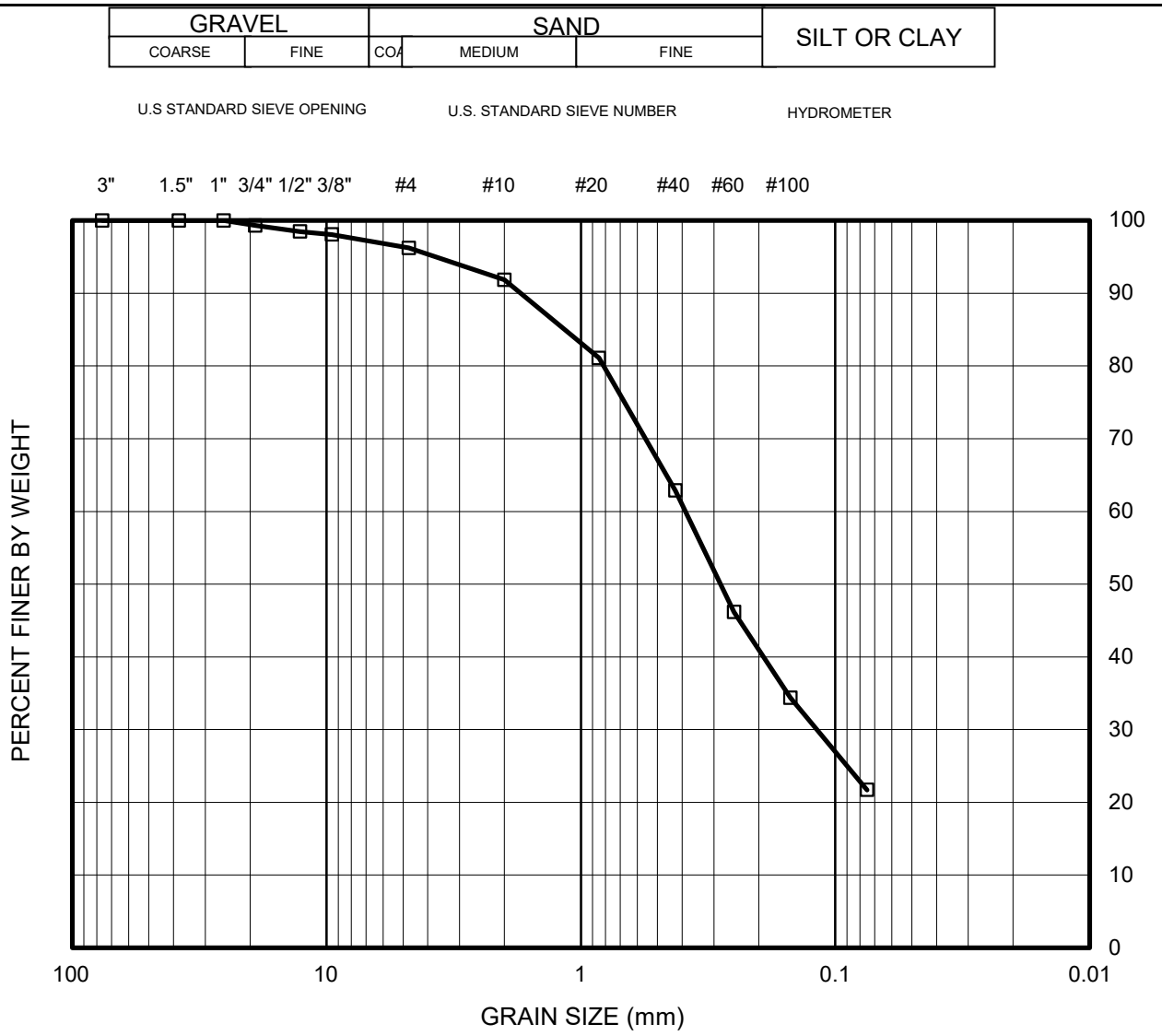
Gravel:	0.1%
Sand:	62.2%
Fine:	37.7%

Project Name: SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1f

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
☐	B15	Bulk	1.0-5.0	Bulk	SM	N/A	N/A

Gravel:	3.8%
Sand:	74.5%
Fine:	21.7%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1g

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
☐	B16	Bulk	1.0-5.0	Bulk	SM	N/A	N/A

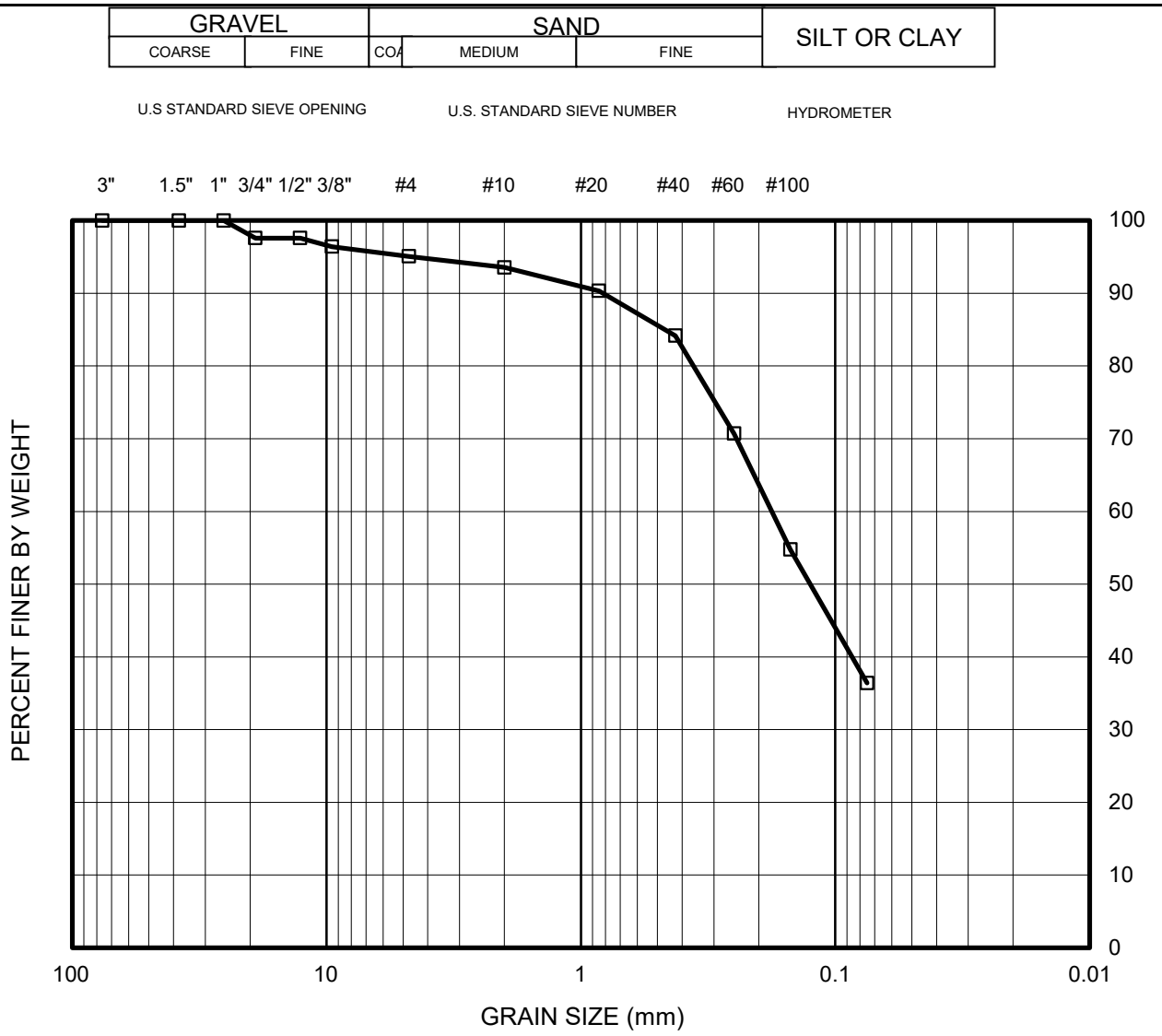
Gravel:	0.6%
Sand:	65.8%
Fine:	33.6%

	Project Name: SACC at OIAA
	Client Job No.: SC6101
	Client Name: Cotton, Shires and Associates, Inc.
	EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1h

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B18	R3	11.0	Ring	SM	N/A	N/A

Gravel:	4.9%
Sand:	58.7%
Fine:	36.4%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1i

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
☐	B20	R2	6.0	Ring	SM	N/A	N/A

Gravel:	0.0%
Sand:	68.8%
Fine:	31.2%

	Project Name: SACC at OIAA
	Client Job No.: SC6101
	Client Name: Cotton, Shires and Associates, Inc.
	EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1j

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B21	R1	3.0	Ring	SM	N/A	N/A

Gravel:	1.9%
Sand:	82.6%
Fine:	15.5%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1k

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B23	R1	3.0	Ring	SM	N/A	N/A

Gravel:	0.6%
Sand:	83.9%
Fine:	15.5%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1I

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
☐	B23	R2	6.0	Ring	SM	N/A	N/A

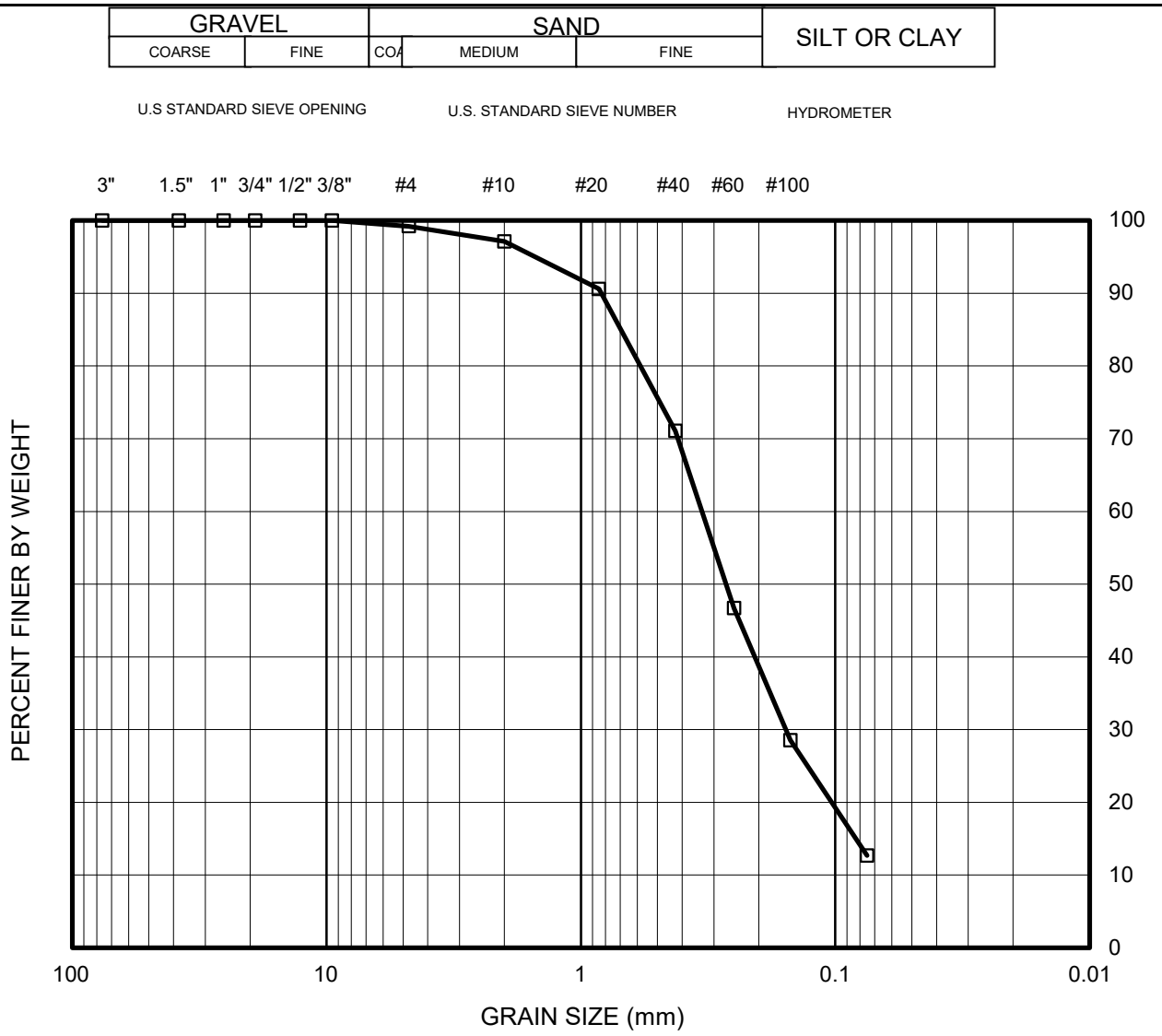
Gravel:	1.5%
Sand:	64.3%
Fine:	34.2%

	Project Name: SACC at OIAA
	Client Job No.: SC6101
	Client Name: Cotton, Shires and Associates, Inc.
	EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1m

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
☐	B28	R1	3.0	Ring	SP-SM	N/A	N/A

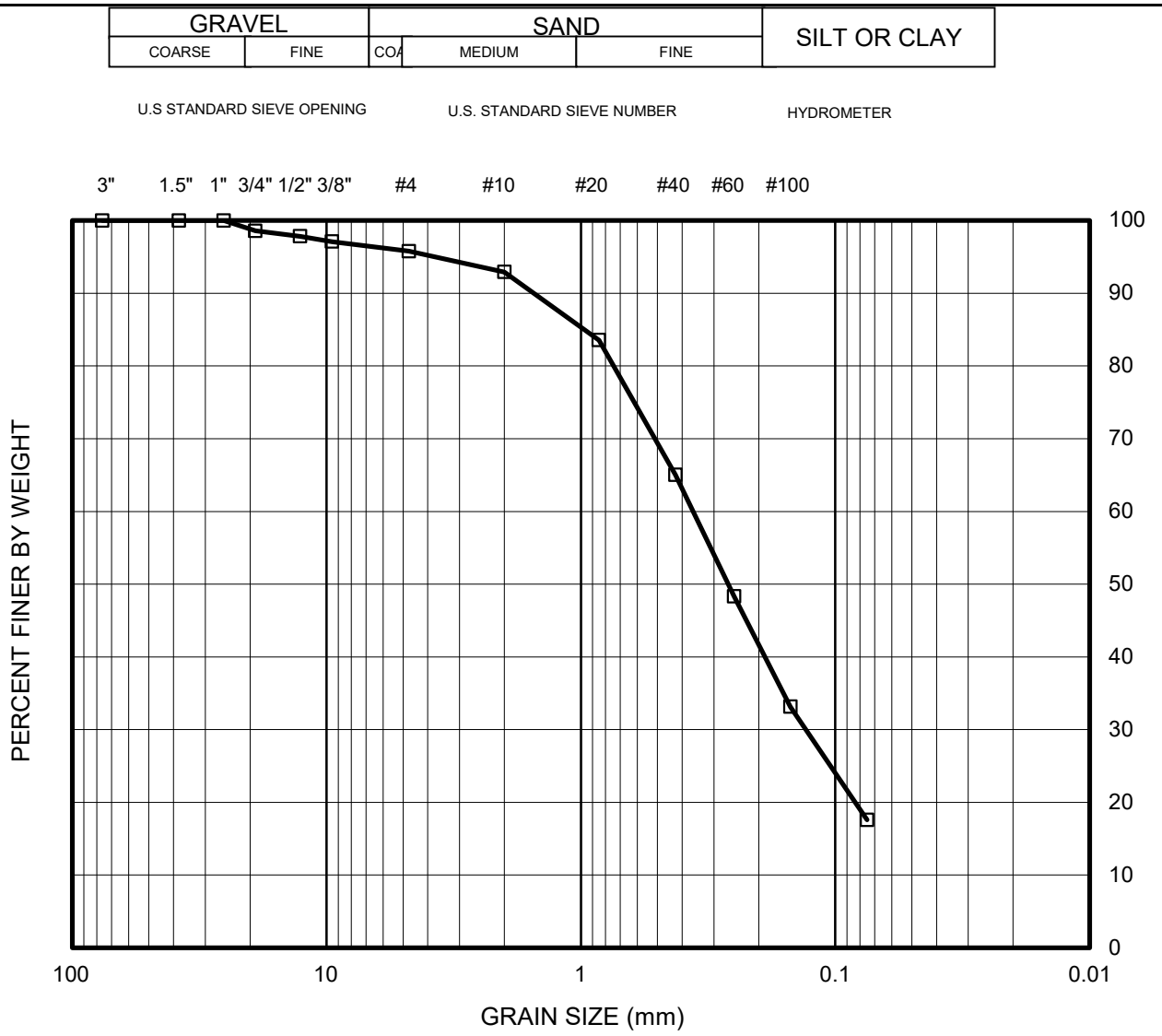
Gravel:	0.8%
Sand:	86.5%
Fine:	12.7%

Project Name: SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1n

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B28	R2	6.0	Ring	SM	N/A	N/A

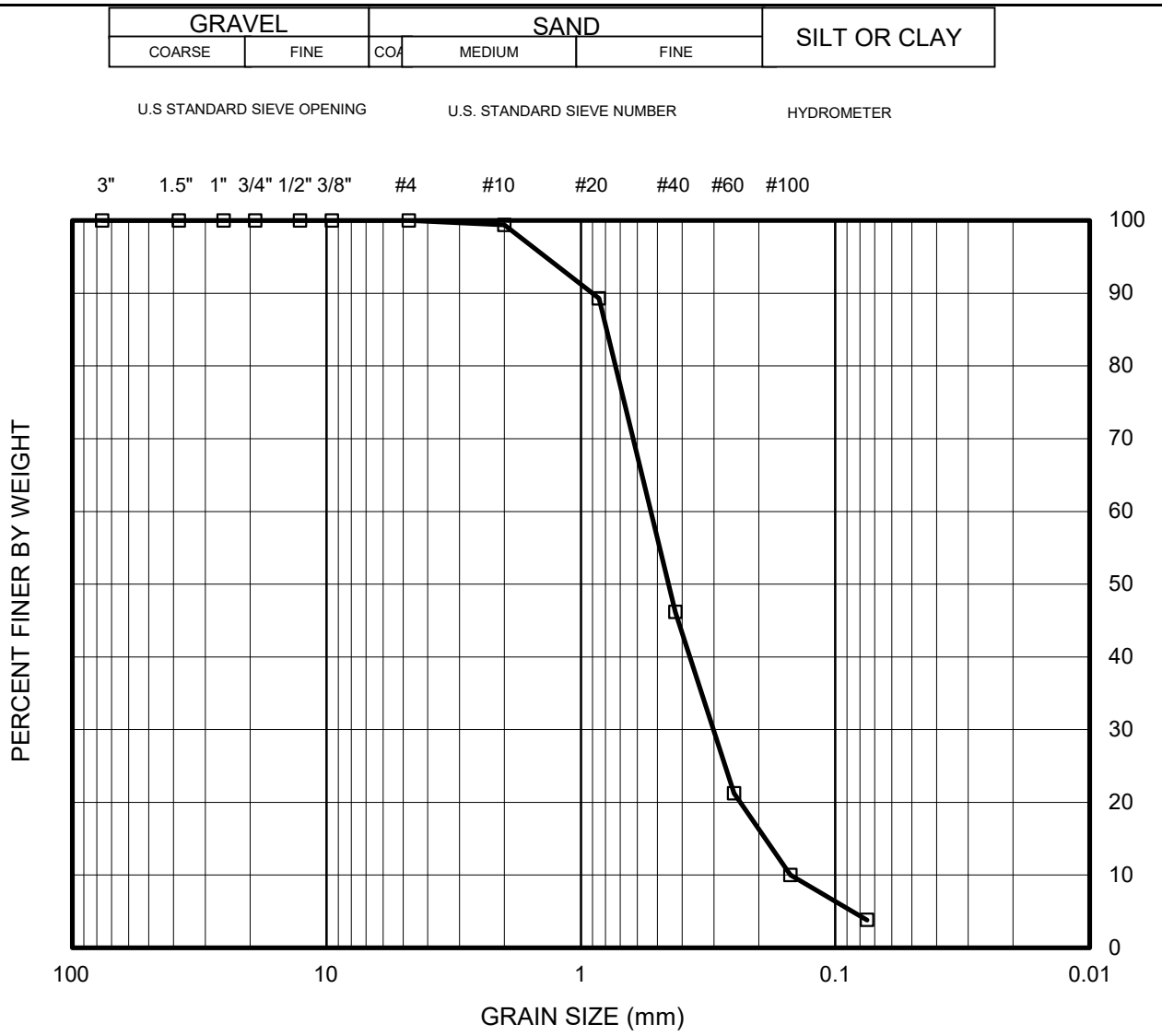
Gravel:	4.2%
Sand:	78.2%
Fine:	17.6%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1o

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B31	R2	6.0	Ring	SP	N/A	N/A

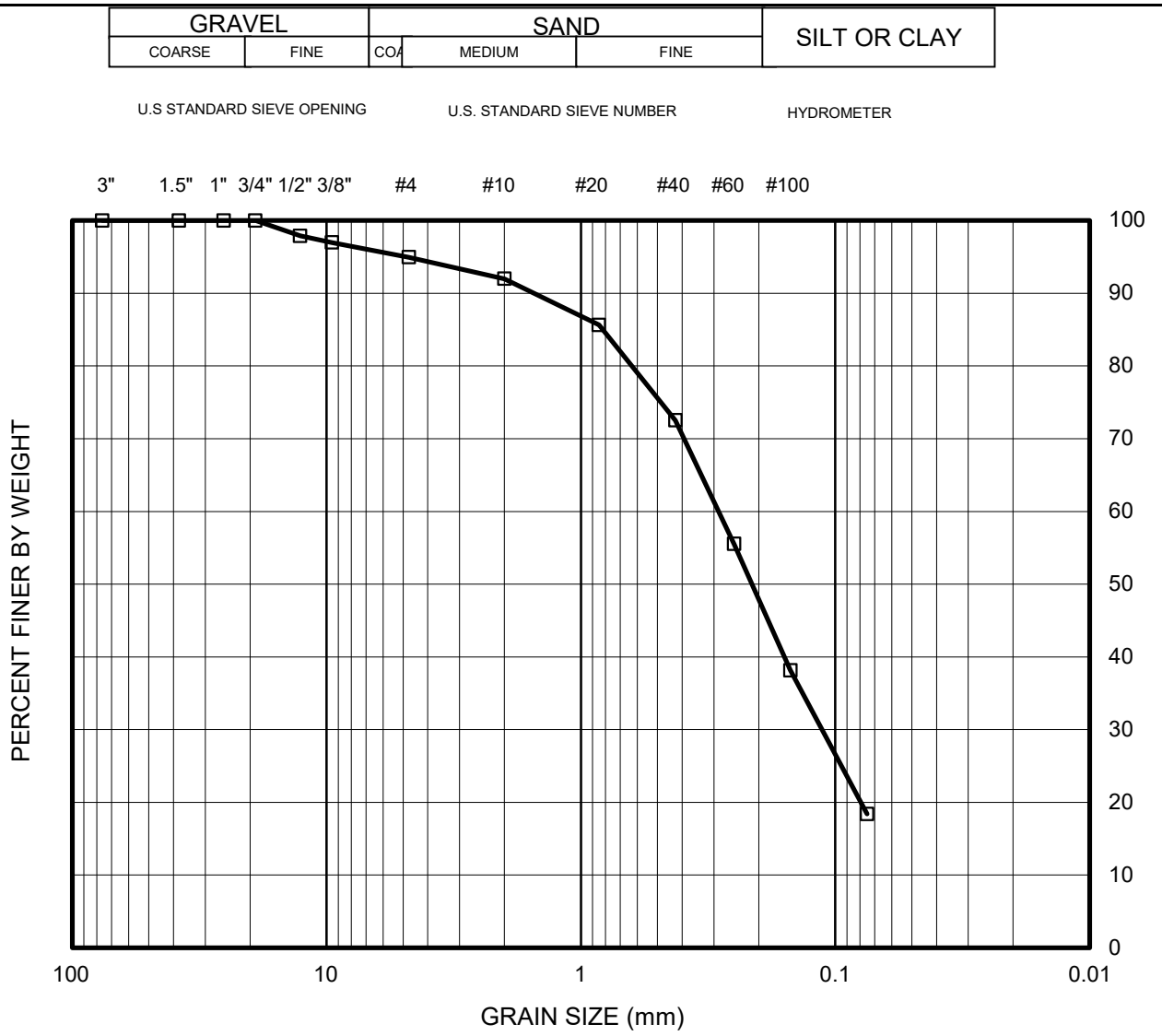
Gravel:	0.0%
Sand:	96.2%
Fine:	3.8%

	Project Name: SACC at OIAA
	Client Job No.: SC6101
	Client Name: Cotton, Shires and Associates, Inc.
	EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1p

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B35	R1	3.0	Ring	SM	N/A	N/A

Gravel:	5.0%
Sand:	76.6%
Fine:	18.4%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1q

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
☐	B38	Bulk	1.0-5.0	Bulk	SM	N/A	N/A

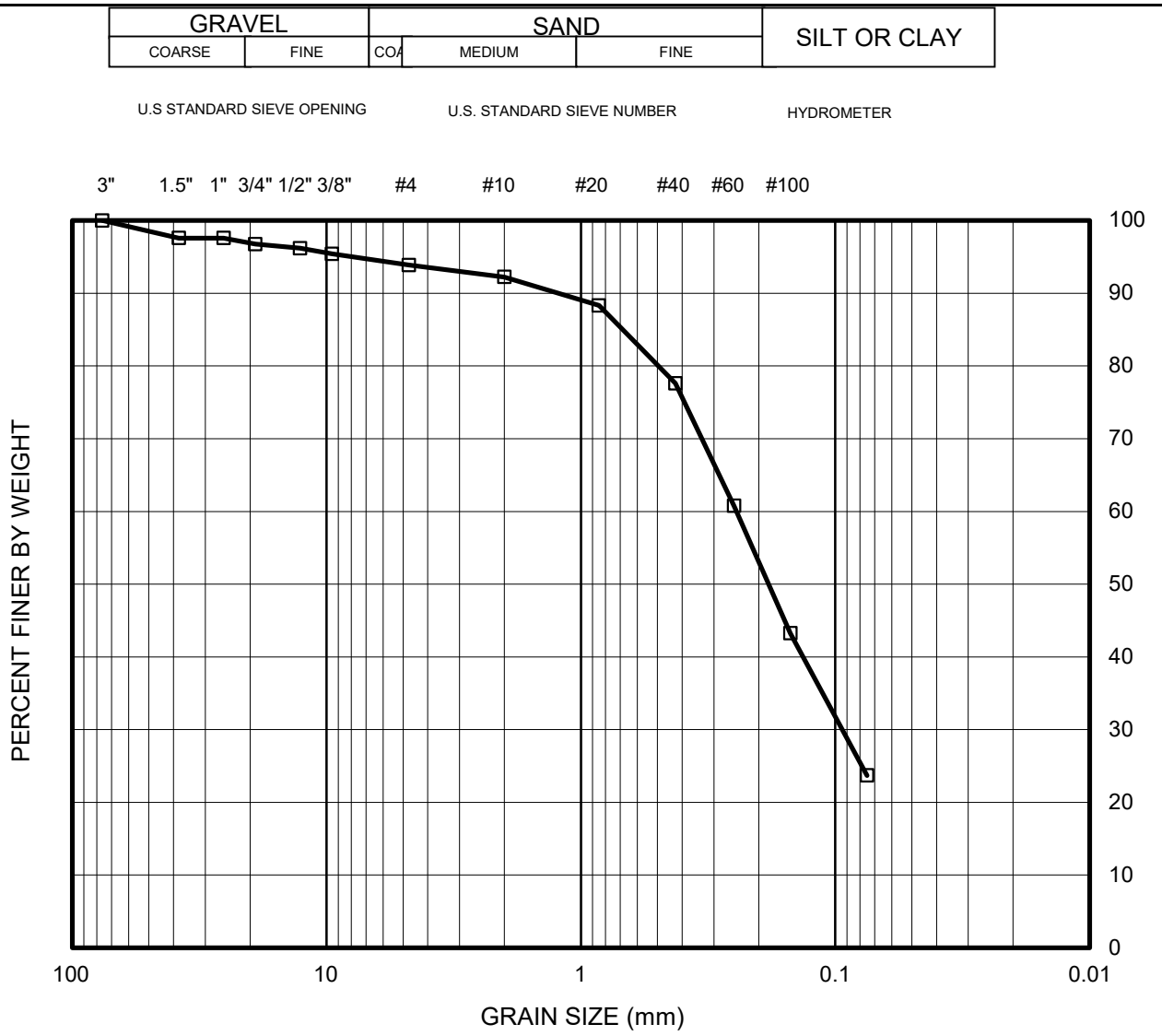
Gravel:	9.7%
Sand:	59.8%
Fine:	30.5%

Project Name:	SACC at OIAA
Client Job No.:	SC6101
Client Name:	Cotton, Shires and Associates, Inc.
EGLAB Project No.:	22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1r

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
☐	B41	Bulk	1.0-6.0	Bulk	SM	N/A	N/A

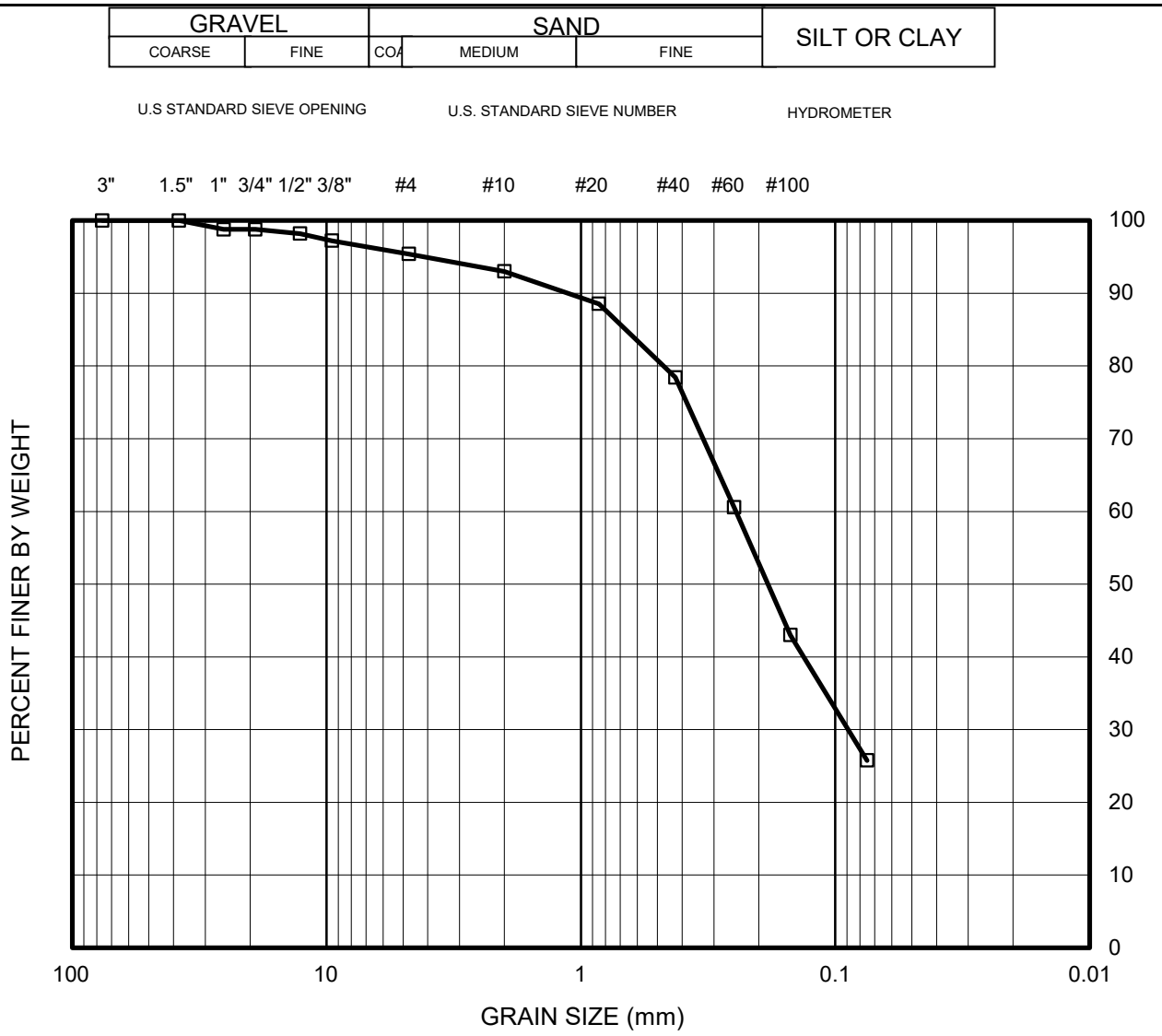
Gravel:	6.1%
Sand:	70.2%
Fine:	23.7%

	Project Name: SACC at OIAA
	Client Job No.: SC6101
	Client Name: Cotton, Shires and Associates, Inc.
	EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1s

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B47	Bulk	1.0-5.0	Bulk	SM	N/A	N/A

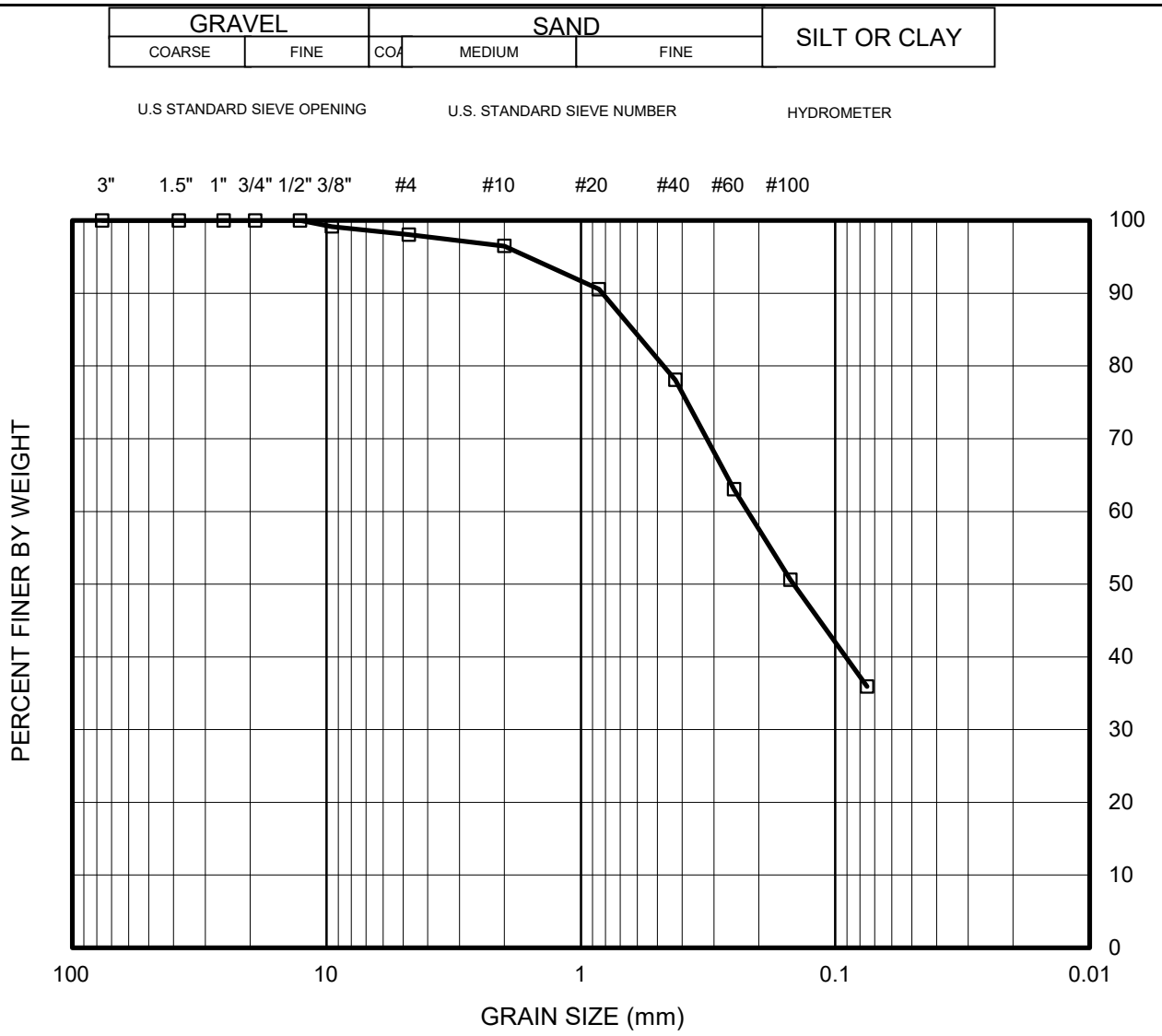
Gravel:	4.6%
Sand:	69.6%
Fine:	25.8%

Project Name: SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1t

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
☐	B56	R1	3.0	Ring	SM	N/A	N/A

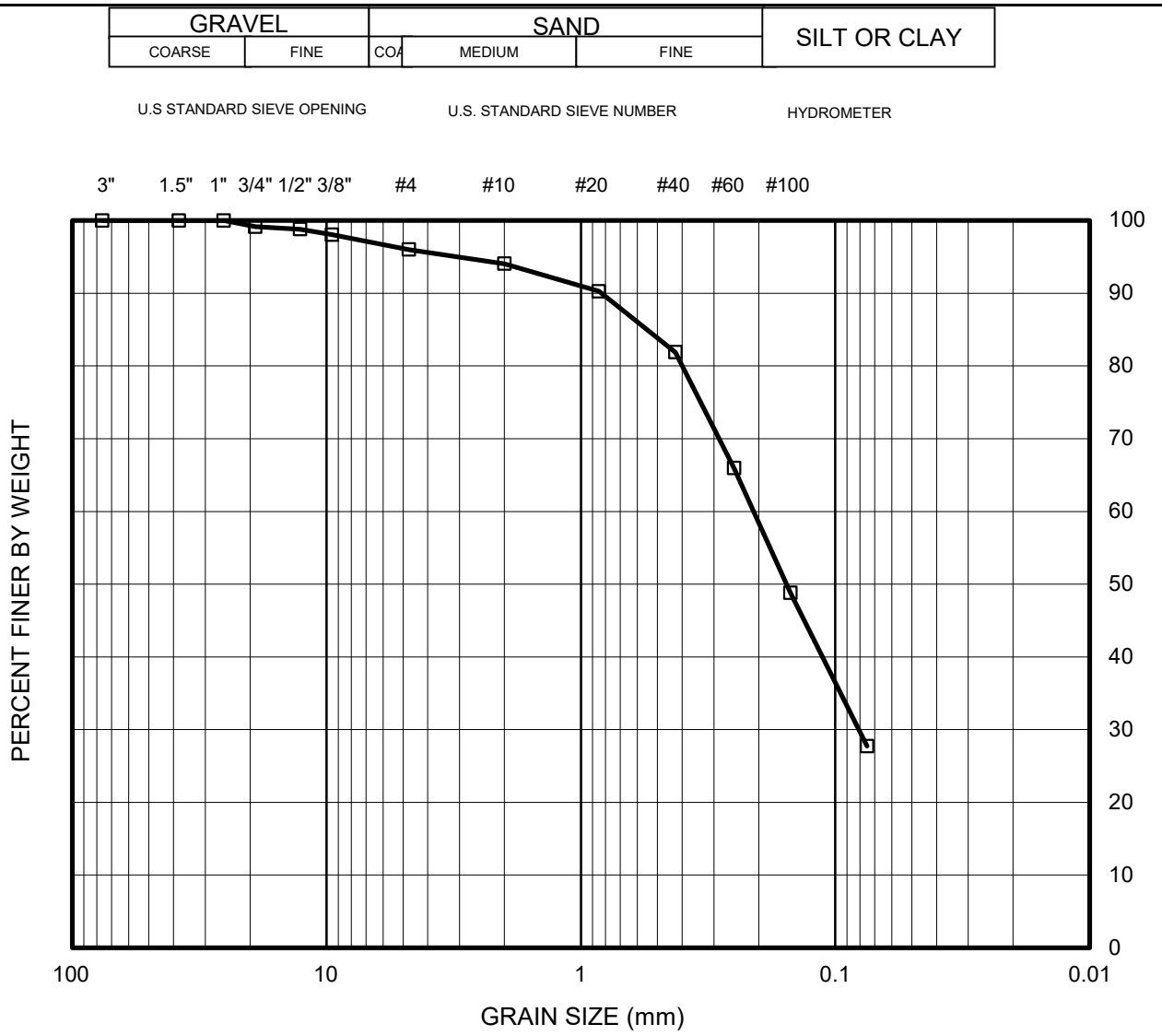
Gravel:	2.0%
Sand:	62.1%
Fine:	35.9%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1u

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B57	Bulk	1.0-6.0	Bulk	SM	N/A	N/A

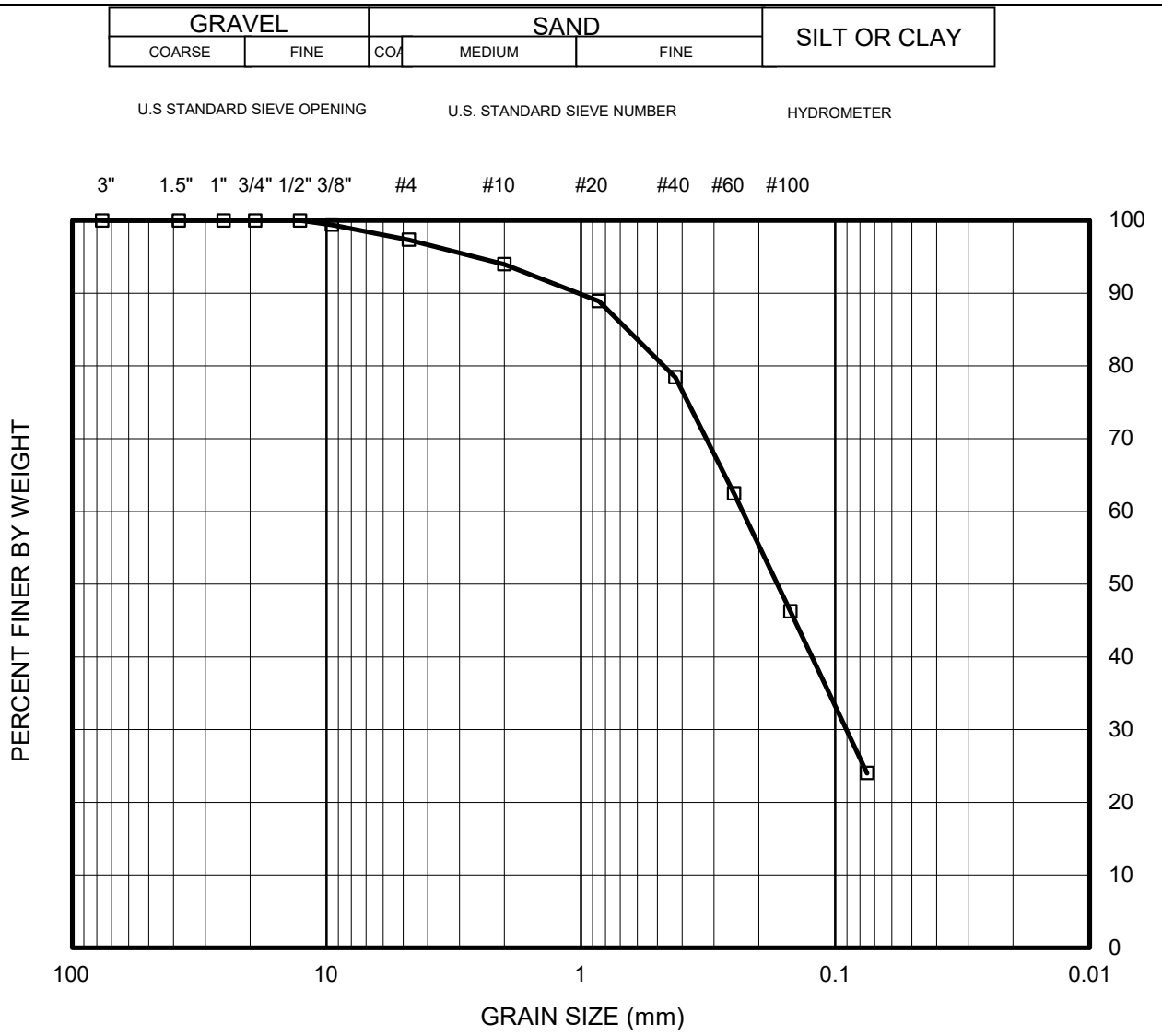
Gravel:	4.0%
Sand:	68.3%
Fine:	27.7%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1v

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B58	R1	3.0	Ring	SM	N/A	N/A

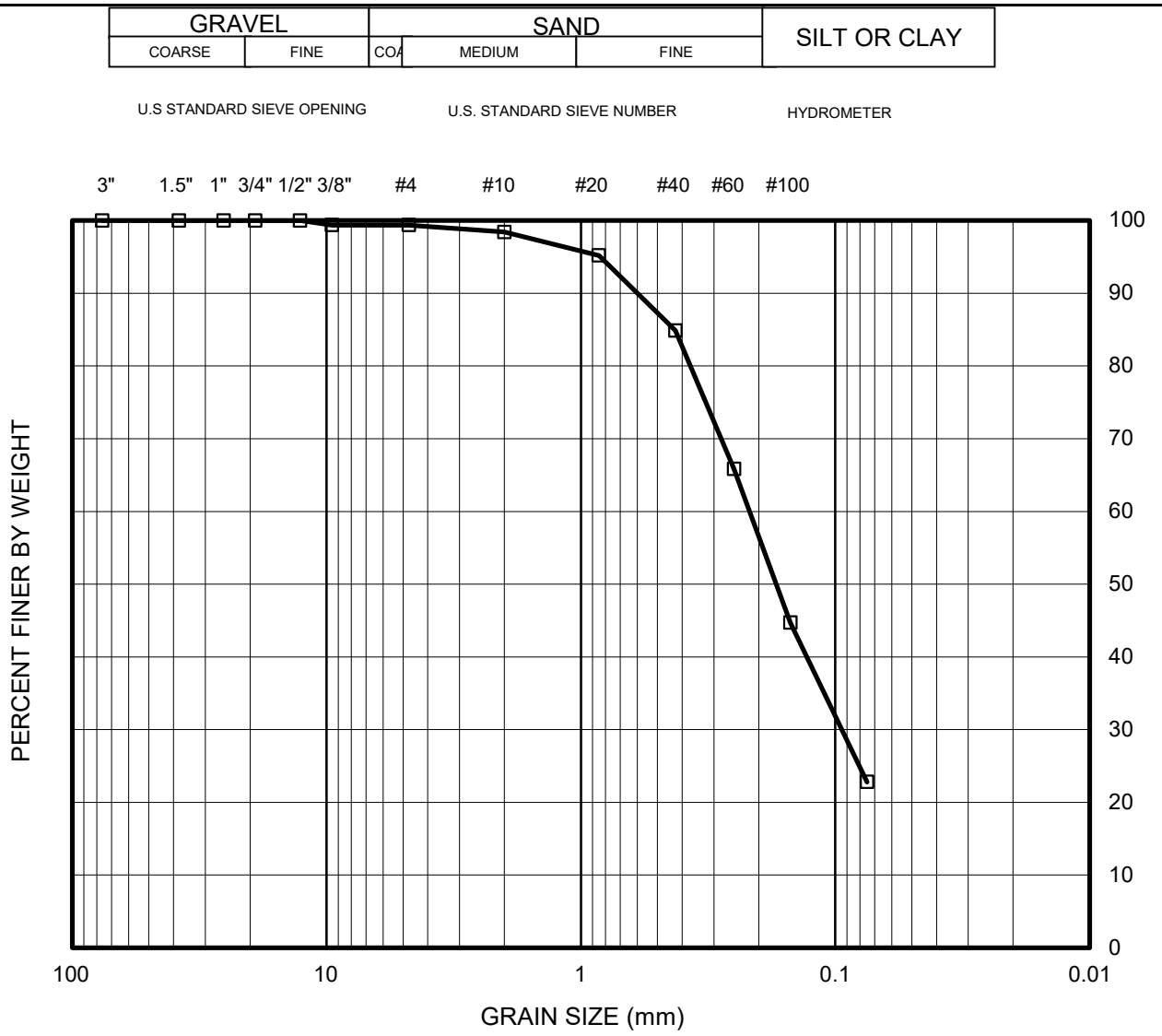
Gravel:	2.7%
Sand:	73.3%
Fine:	24.0%

Project Name: SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1w

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B72	R3	8.0	Ring	SM	N/A	N/A

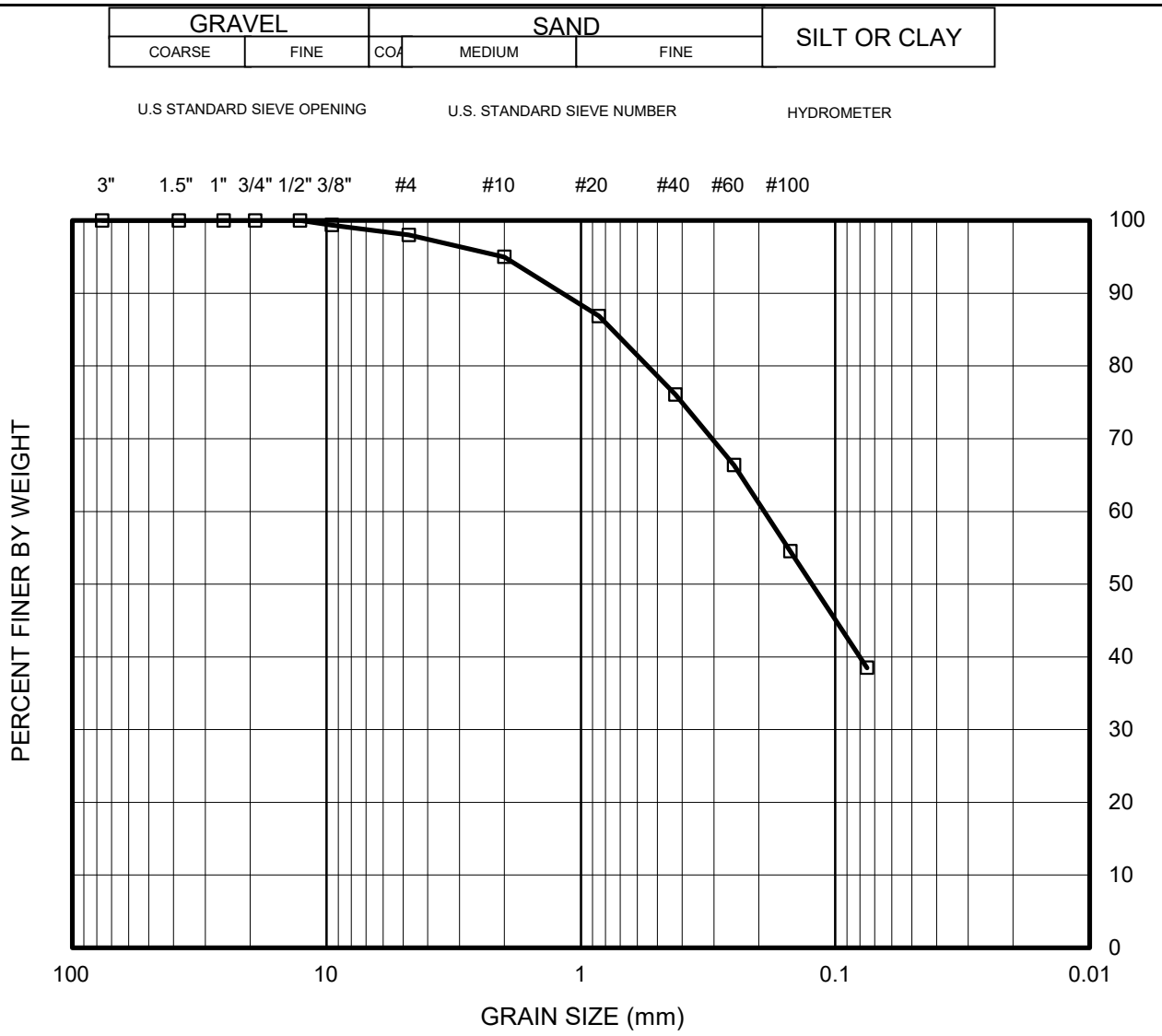
Gravel:	0.6%
Sand:	76.6%
Fine:	22.8%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1x

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B81	R1	3.0	Ring	SM	N/A	N/A

Gravel:	2.0%
Sand:	59.5%
Fine:	38.5%

Project Name: SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1y

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
☐	B82	R1	3.0	Ring	SM	N/A	N/A

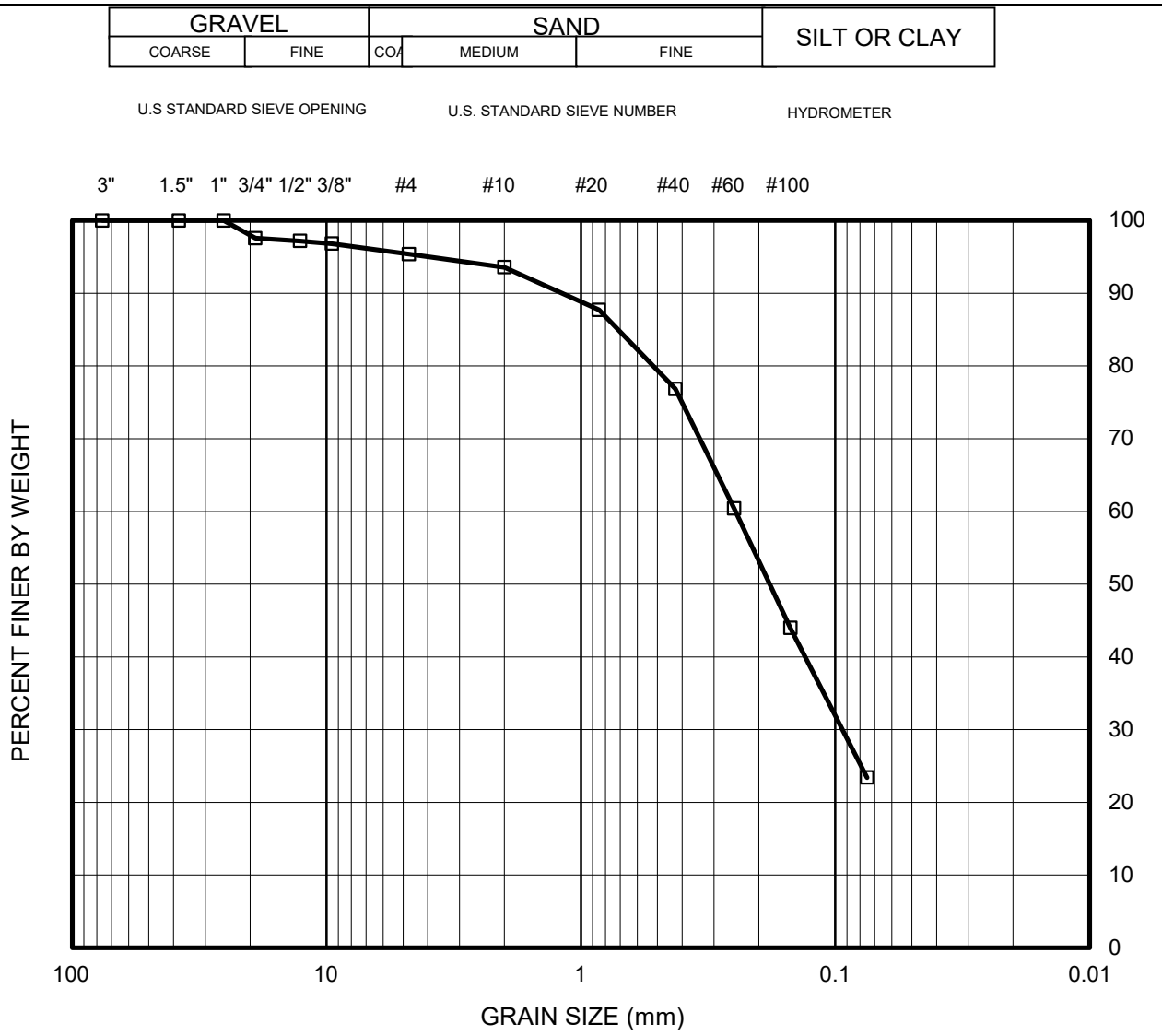
Gravel:	1.9%
Sand:	67.5%
Fine:	30.6%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-1z

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
☐	B83	Bulk	1.0-5.0	Bulk	SM	N/A	N/A

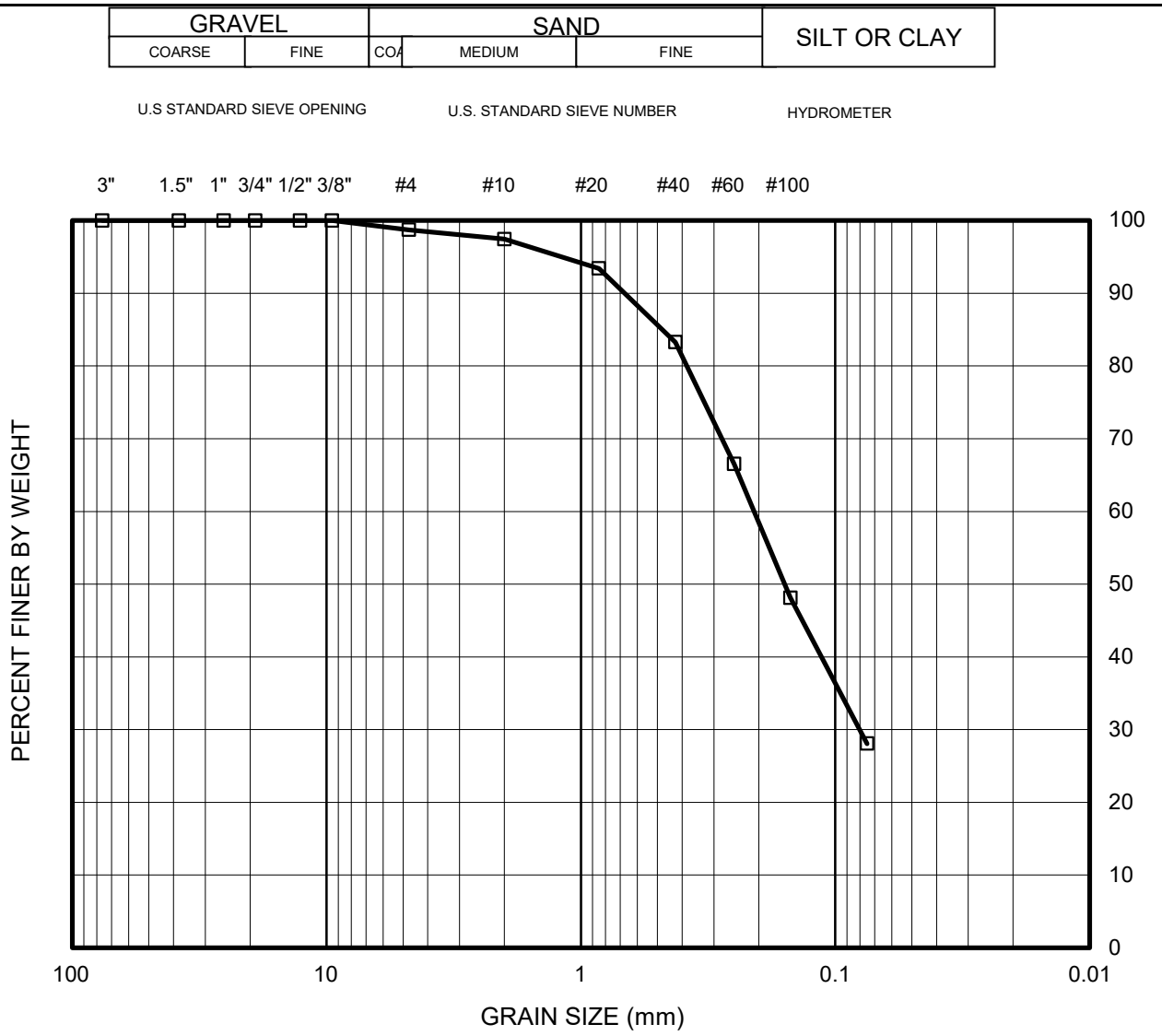
Gravel:	4.6%
Sand:	72.0%
Fine:	23.4%

	Project Name: SACC at OIAA
	Client Job No.: SC6101
	Client Name: Cotton, Shires and Associates, Inc.
	EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-2a

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B84	R1	3.0	Ring	SM	N/A	N/A

Gravel:	1.3%
Sand:	70.6%
Fine:	28.1%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-2b

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B85	Bulk	1.0-5.0	Bulk	SM	N/A	N/A

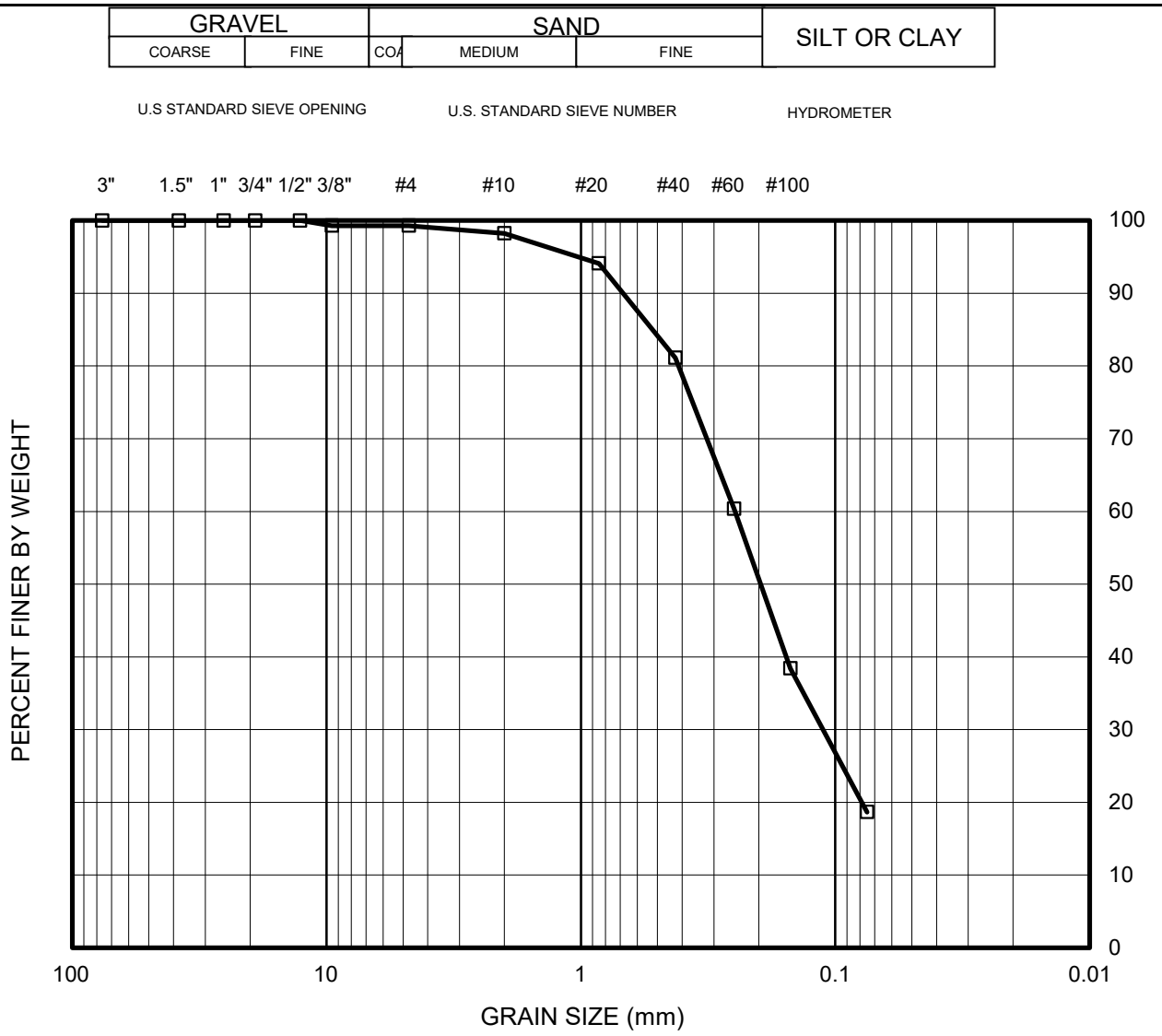
Gravel:	1.7%
Sand:	61.4%
Fine:	36.9%

	Project Name: SACC at OIAA
	Client Job No.: SC6101
	Client Name: Cotton, Shires and Associates, Inc.
	EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-2c

Project SC6101



SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B86	R2	6.0	Ring	SM	N/A	N/A

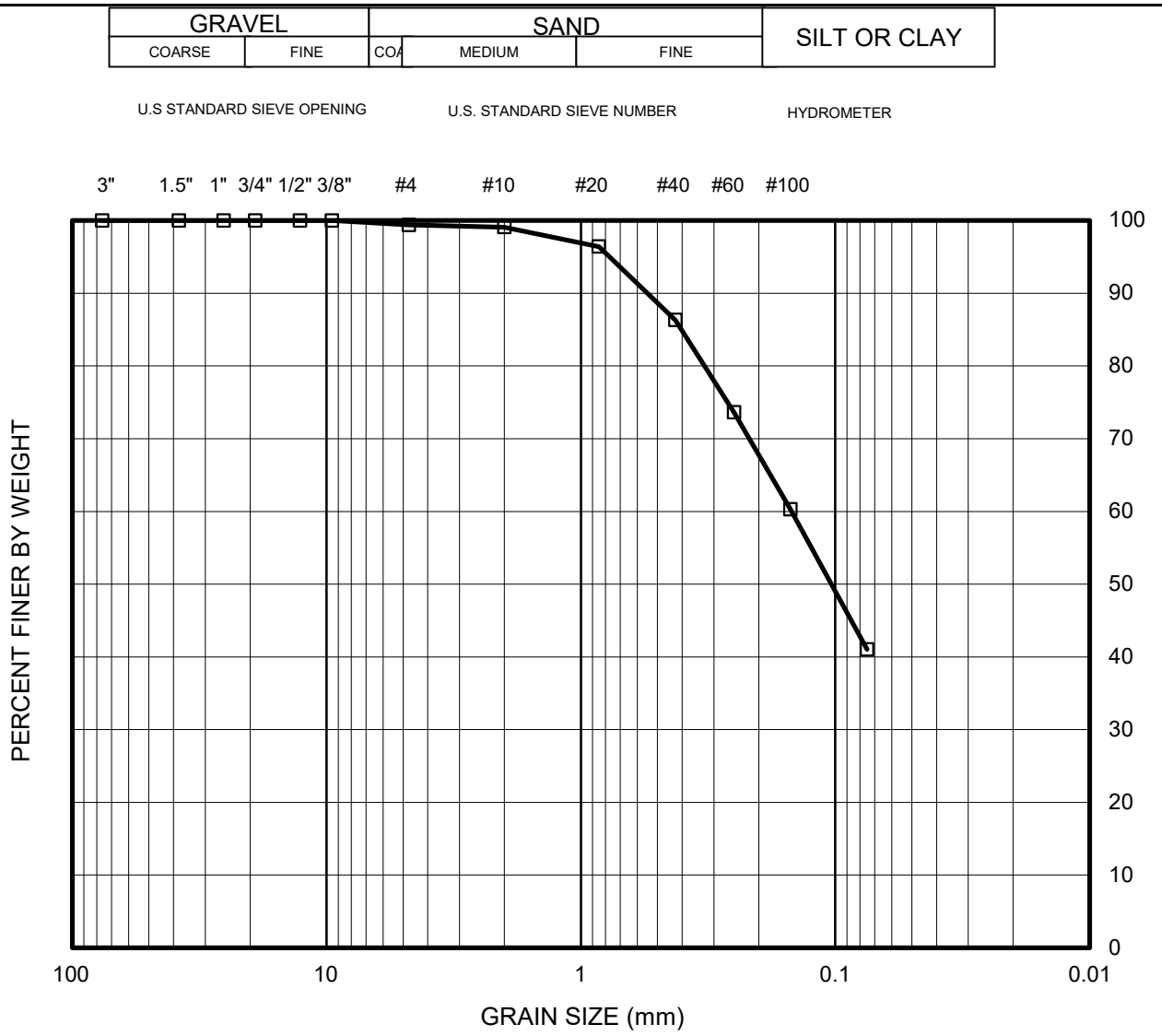
Gravel:	0.7%
Sand:	80.6%
Fine:	18.7%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-2d

Project SC6101



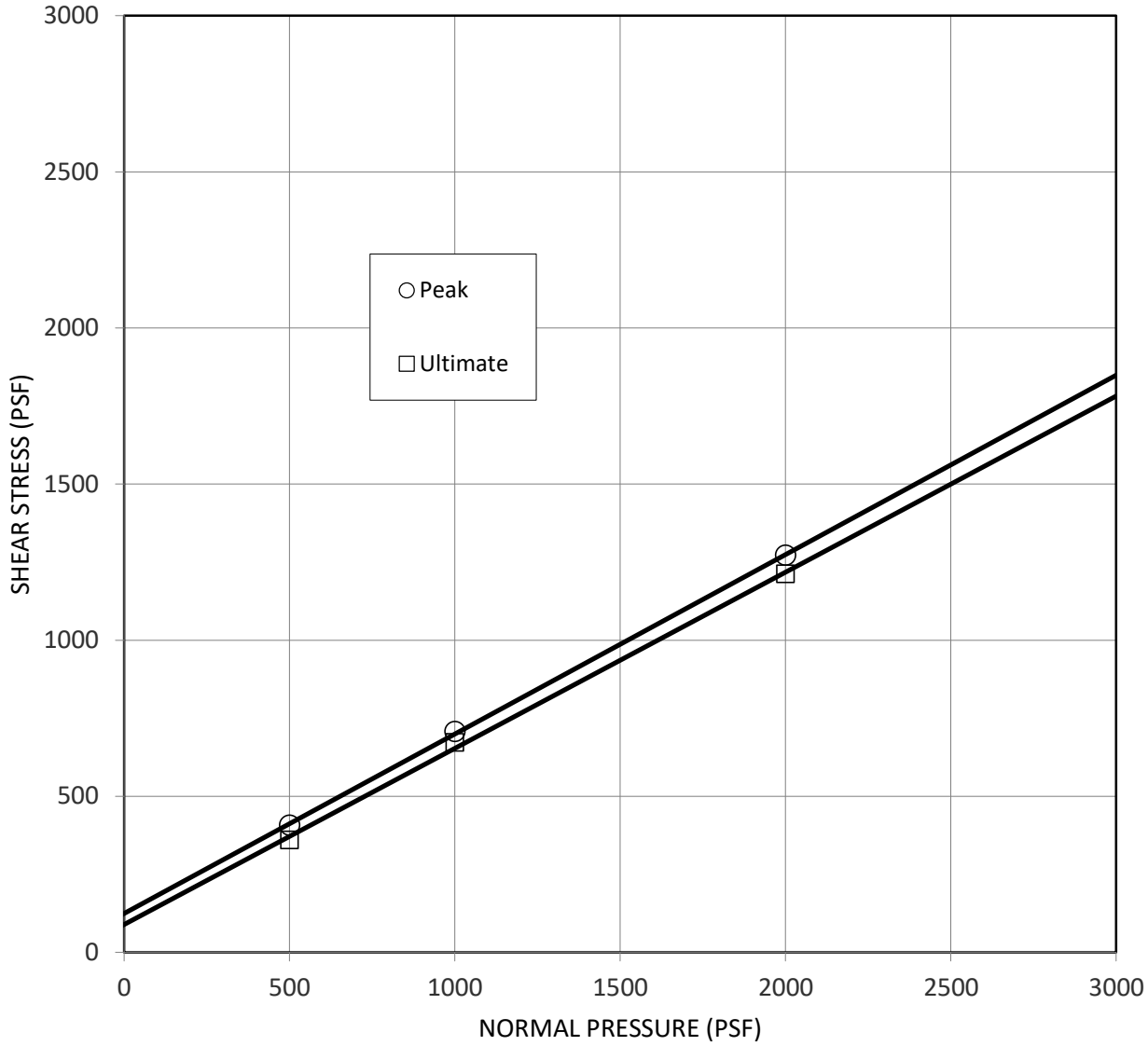
SYMBOL	BORING NO.	SAMPLE NO.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTICITY INDEX
□	B87	R1	3.0	Ring	SM	N/A	N/A

Gravel:	0.6%
Sand:	58.4%
Fine:	41.0%

Project Name:
SACC at OIAA
Client Job No.: SC6101
Client Name: Cotton, Shires and Associates, Inc.
EGLAB Project No.: 22-022-001

GRAIN SIZE DISTRIBUTION CURVE
(ASTM D422)

FIGURE B-2e



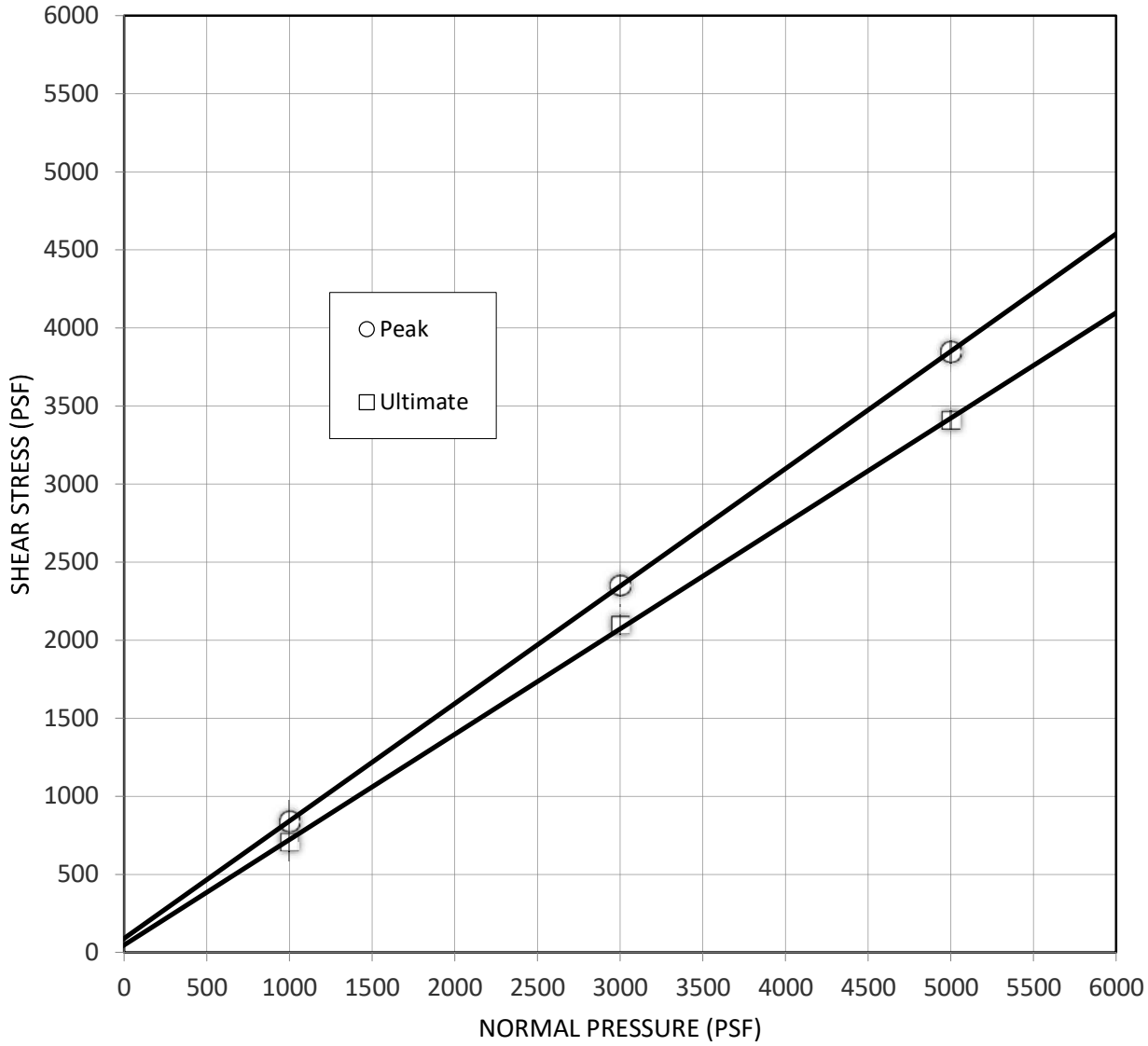
Boring No.	Sample No.	Depth (ft)	Sample Type	Soil Type	Symbol	Cohesion (PSF)	Friction Angle
B37	R2	6.0	Ring	SM	○	126	30
					□	90	29

Normal Stress (psf)	Initial Moisture (%)	Final Moisture (%)
500	10.0	19.9
1000	10.0	19.5
2000	10.0	18.5

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Project No.: SC6101
EGLAB Project No.: 22-022-001

DIRECT SHEAR

(ASTM D3080) **FIGURE B-3a**



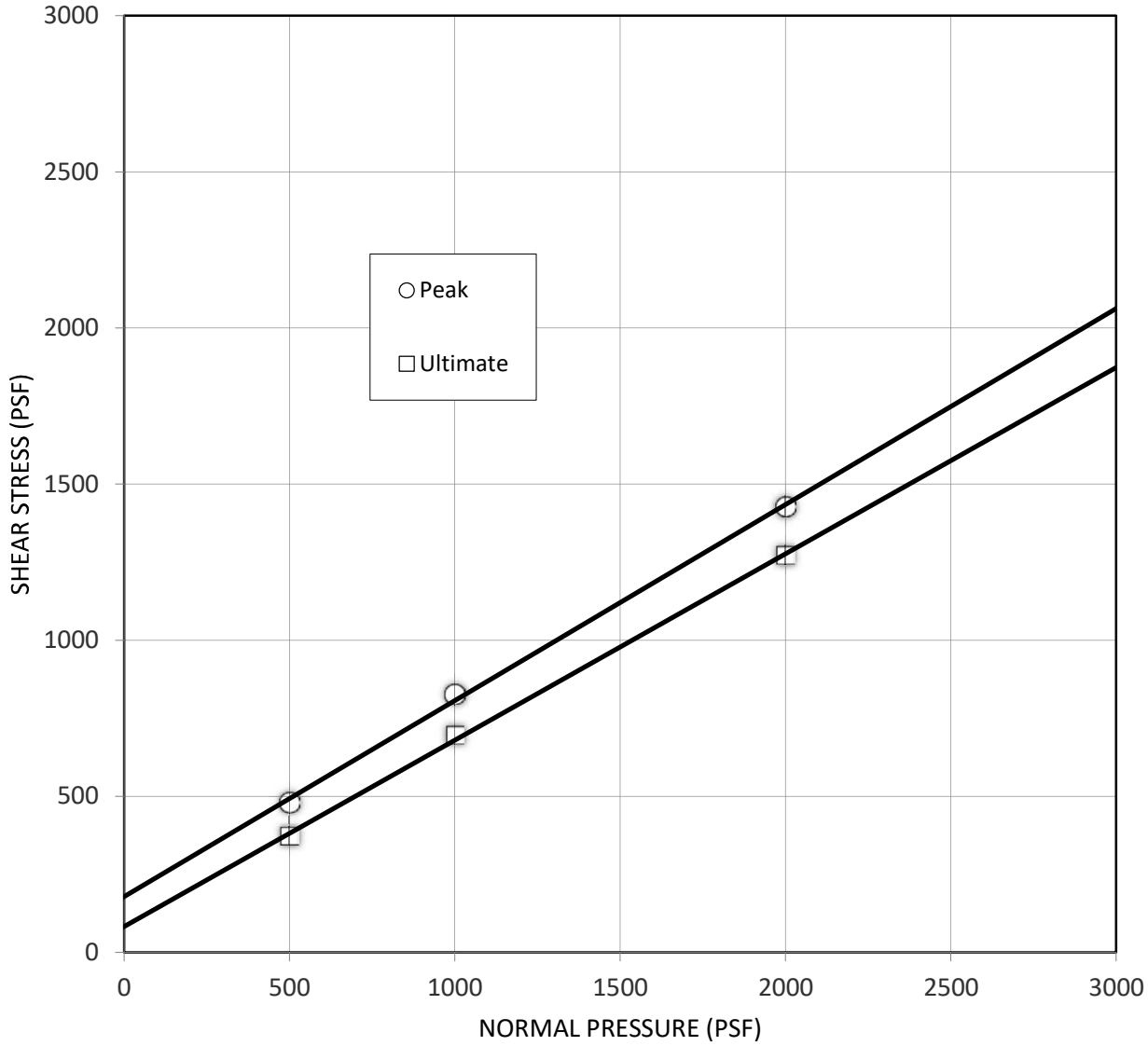
Boring No.	Sample No.	Depth (ft)	Sample Type	Soil Type	Symbol	Cohesion (PSF)	Friction Angle
B38	R6	26.0	Ring	SM	○	91	37
					□	47	34

Normal Stress (psf)	Initial Moisture (%)	Final Moisture (%)
1000	10.1	15.4
3000	10.1	15.0
5000	10.1	14.5

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Project No.: SC6101
EGLAB Project No.: 22-022-001

DIRECT SHEAR

(ASTM D3080) **FIGURE B-3b**



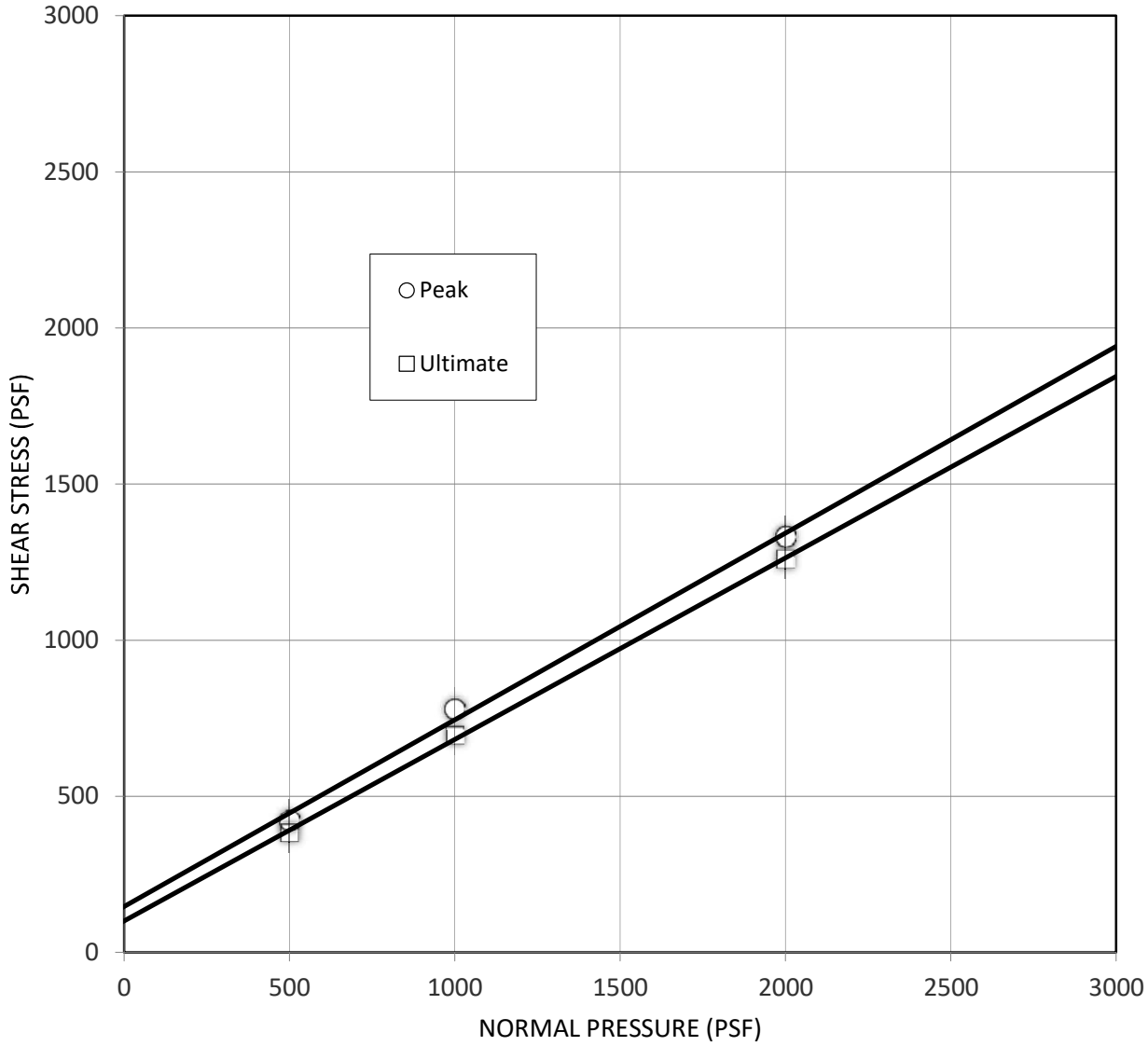
Boring No.	Sample No.	Depth (ft)	Sample Type	Soil Type	Symbol	Cohesion (PSF)	Friction Angle
B39	R4	11.0	Ring	SM	○	180	32
					□	84	31

Normal Stress (psf)	Initial Moisture (%)	Final Moisture (%)
500	8.9	23.3
1000	8.9	22.1
2000	8.9	20.6

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Project No.: SC6101
EGLAB Project No.: 22-022-001

DIRECT SHEAR

(ASTM D3080) **FIGURE B-3c**



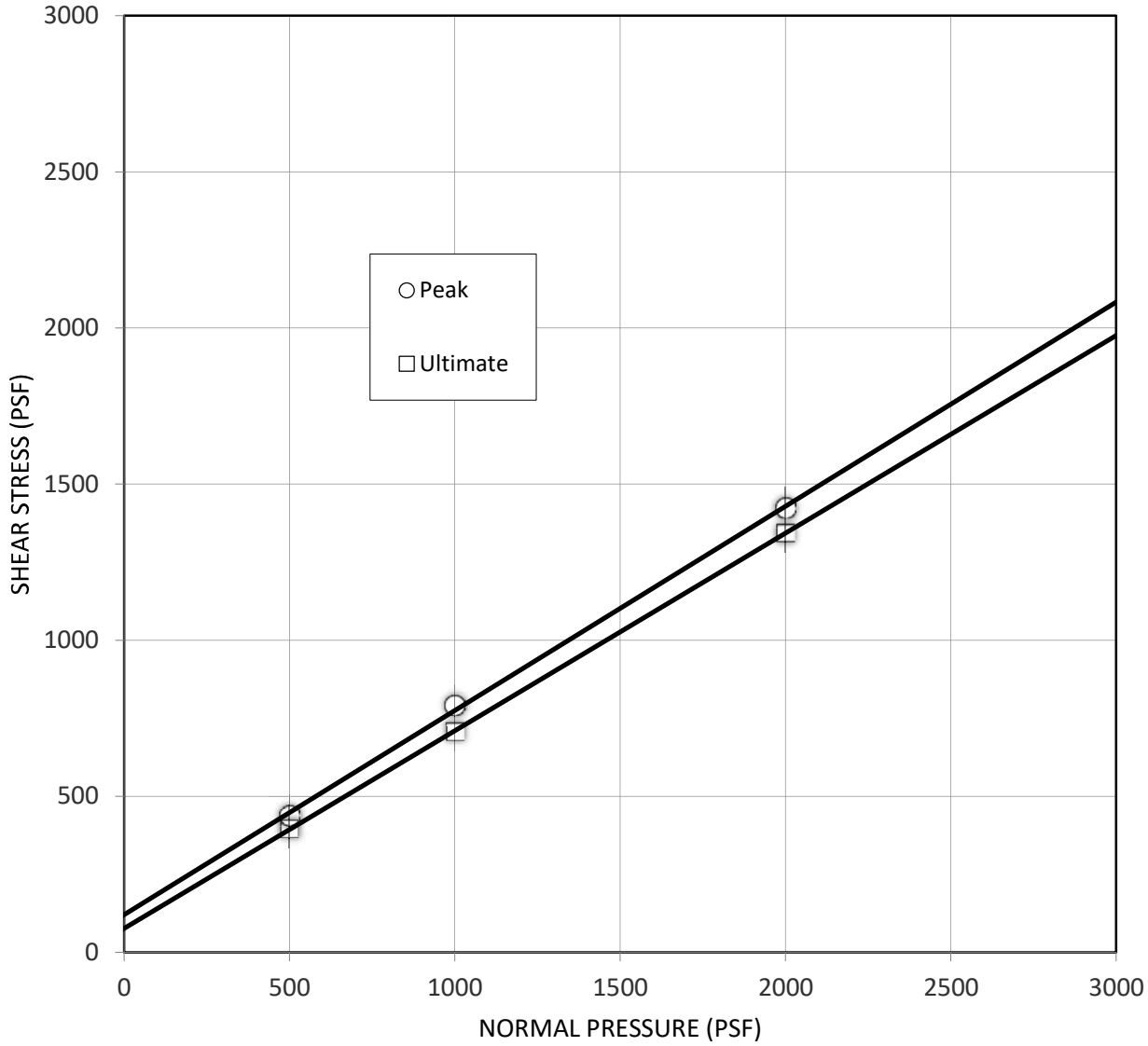
Boring No.	Sample No.	Depth (ft)	Sample Type	Soil Type	Symbol	Cohesion (PSF)	Friction Angle
B61	R2	6.0	Ring	SP-SM	○	148	31
					□	102	30

Normal Stress (psf)	Initial Moisture (%)	Final Moisture (%)
500	5.7	20.8
1000	5.7	20.3
2000	5.7	20.0

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Project No.: SC6101
EGLAB Project No.: 22-022-001

DIRECT SHEAR

(ASTM D3080) **FIGURE B-3d**



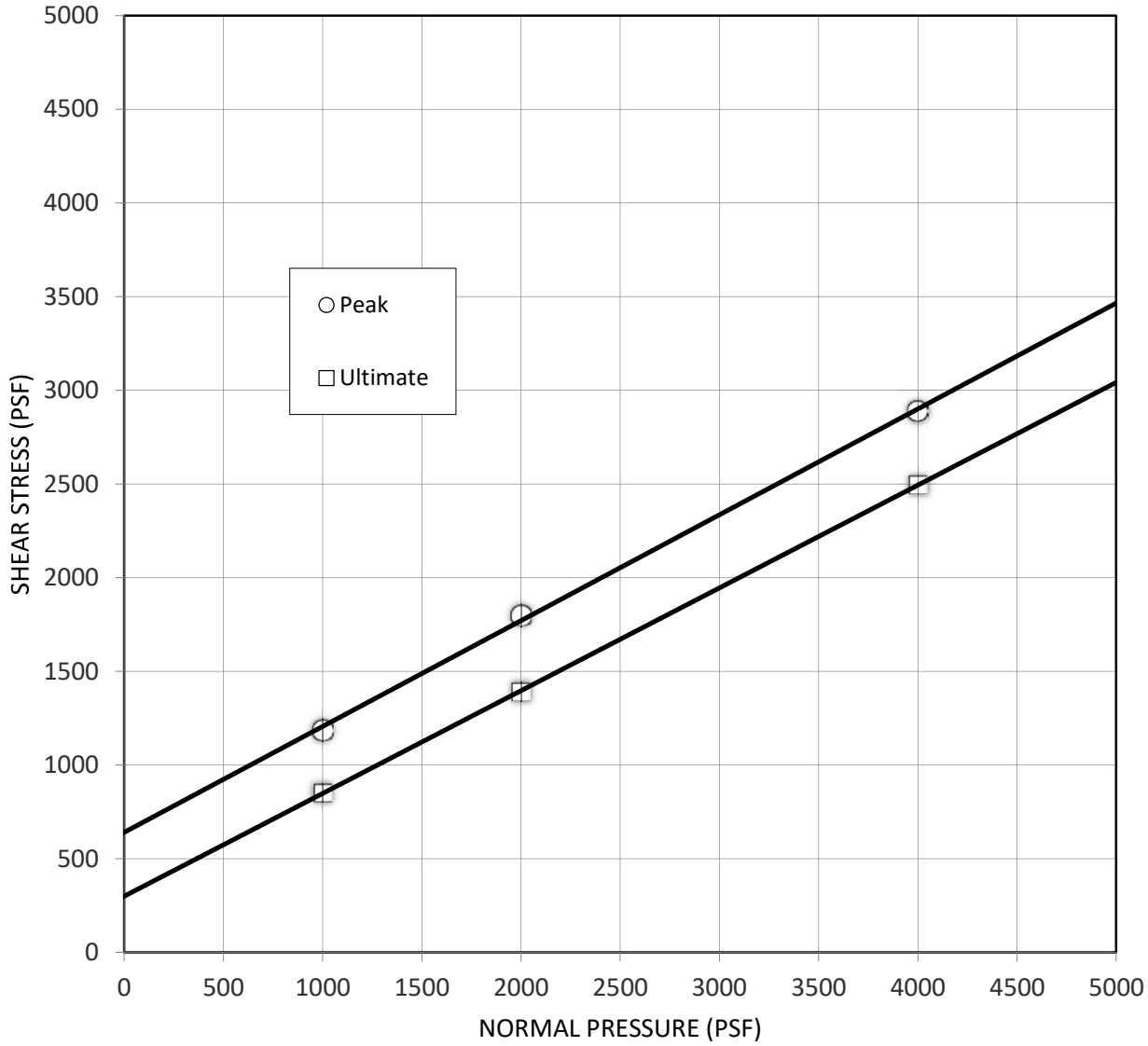
Boring No.	Sample No.	Depth (ft)	Sample Type	Soil Type	Symbol	Cohesion (PSF)	Friction Angle
B61	R4	11.0	Ring	SM	○	122	33
					□	78	32

Normal Stress (psf)	Initial Moisture (%)	Final Moisture (%)
500	5.4	17.5
1000	5.4	16.2
2000	5.4	15.6

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Project No.: SC6101
EGLAB Project No.: 22-022-001

DIRECT SHEAR

(ASTM D3080) **FIGURE B-3e**



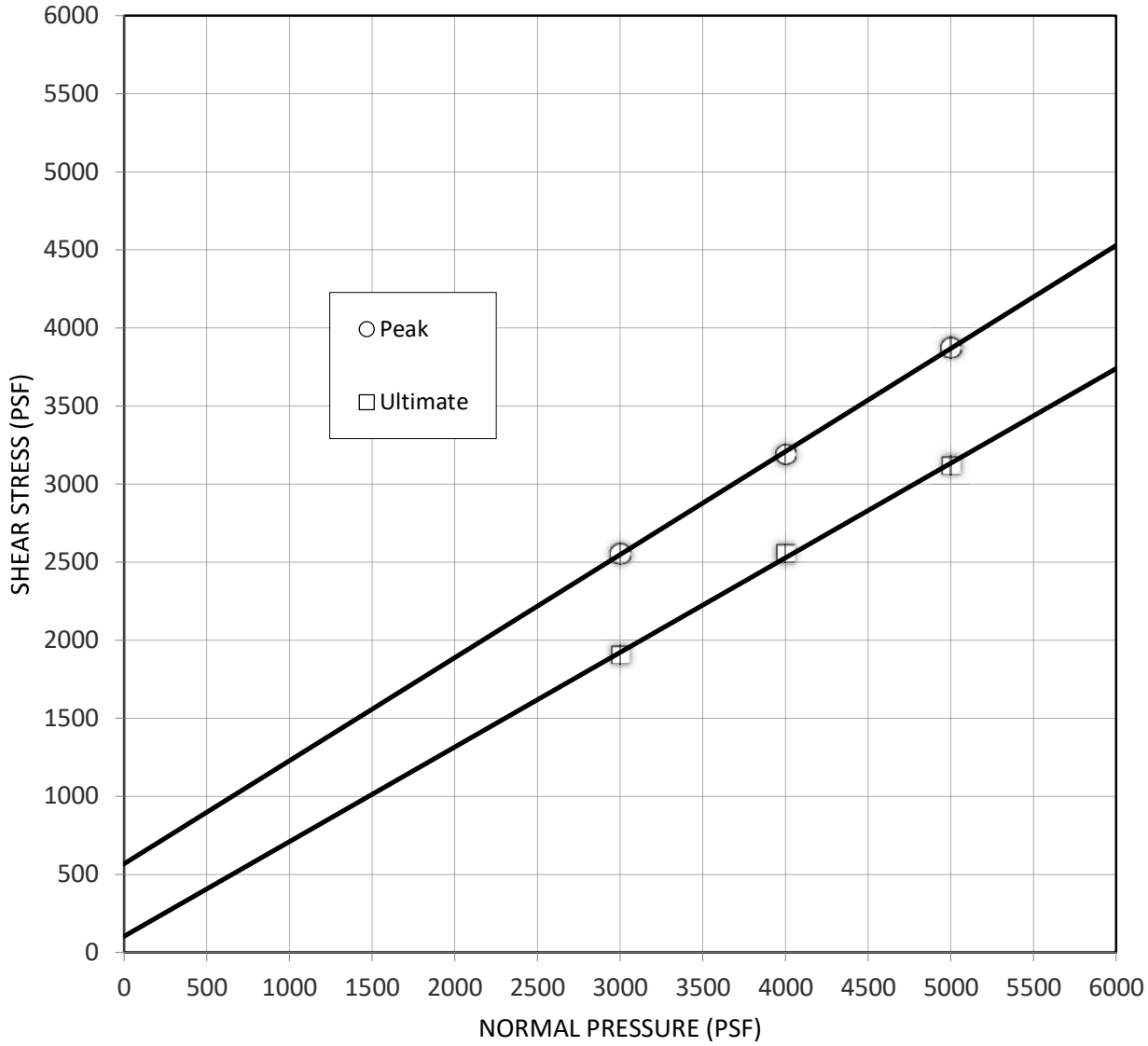
Boring No.	Sample No.	Depth (ft)	Sample Type	Soil Type	Symbol	Cohesion (PSF)	Friction Angle
B68	R5	21.0	Ring	SP	○	642	29
					□	300	29

Normal Stress (psf)	Initial Moisture (%)	Final Moisture (%)
1000	14.6	21.0
2000	14.6	17.8
4000	14.6	17.5

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Project No.: SC6101
EGLAB Project No.: 22-022-001

DIRECT SHEAR

(ASTM D3080) **FIGURE B-3f**



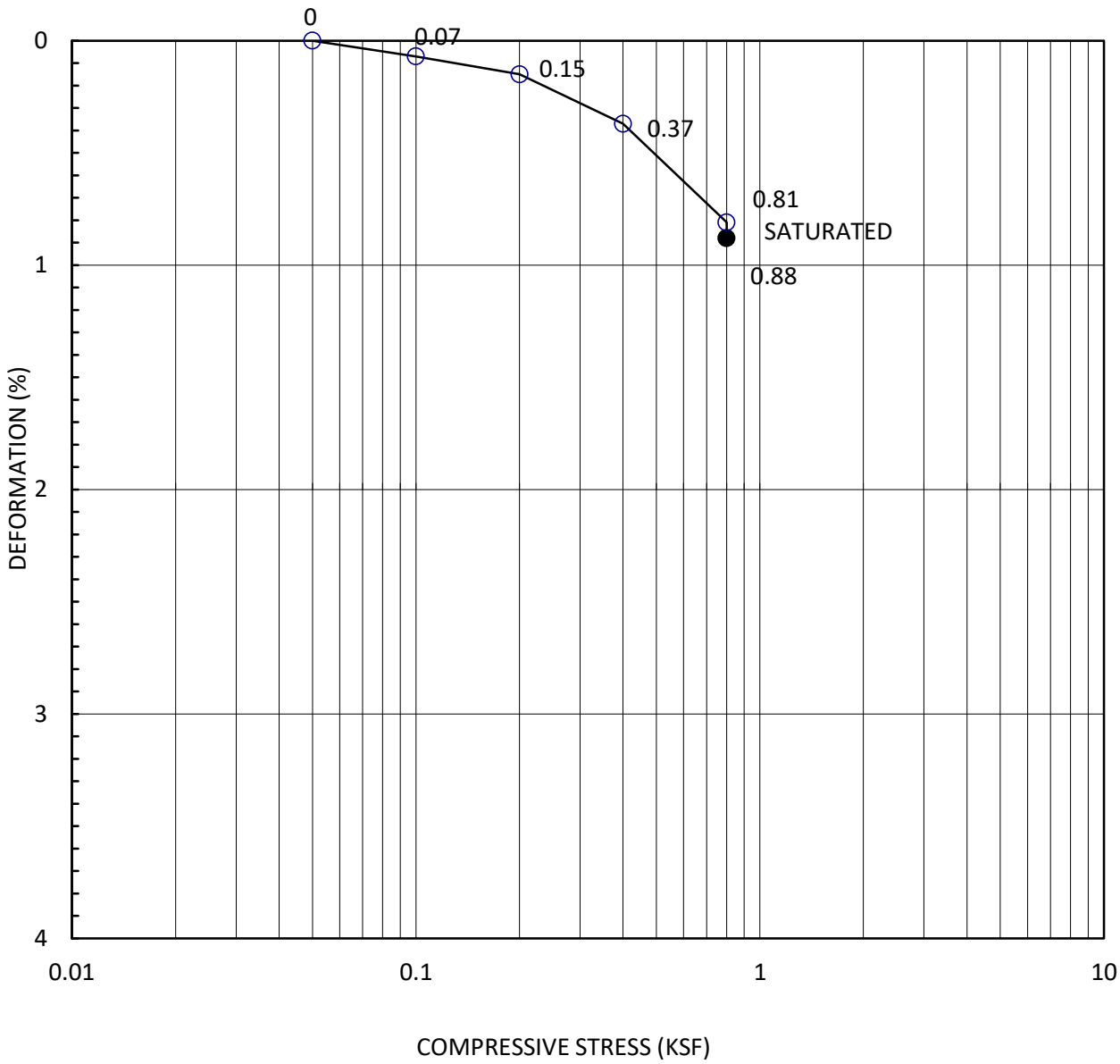
Boring No.	Sample No.	Depth (ft)	Sample Type	Soil Type	Symbol	Cohesion (PSF)	Friction Angle
B68	R6	31.0	Ring	SM	○	568	33
					□	104	31

Normal Stress (psf)	Initial Moisture (%)	Final Moisture (%)
3000	5.7	18.1
4000	5.7	17.9
5000	5.7	17.5

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Project No.: SC6101
EGLAB Project No.: 22-022-001

DIRECT SHEAR

(ASTM D3080) **FIGURE B-3g**



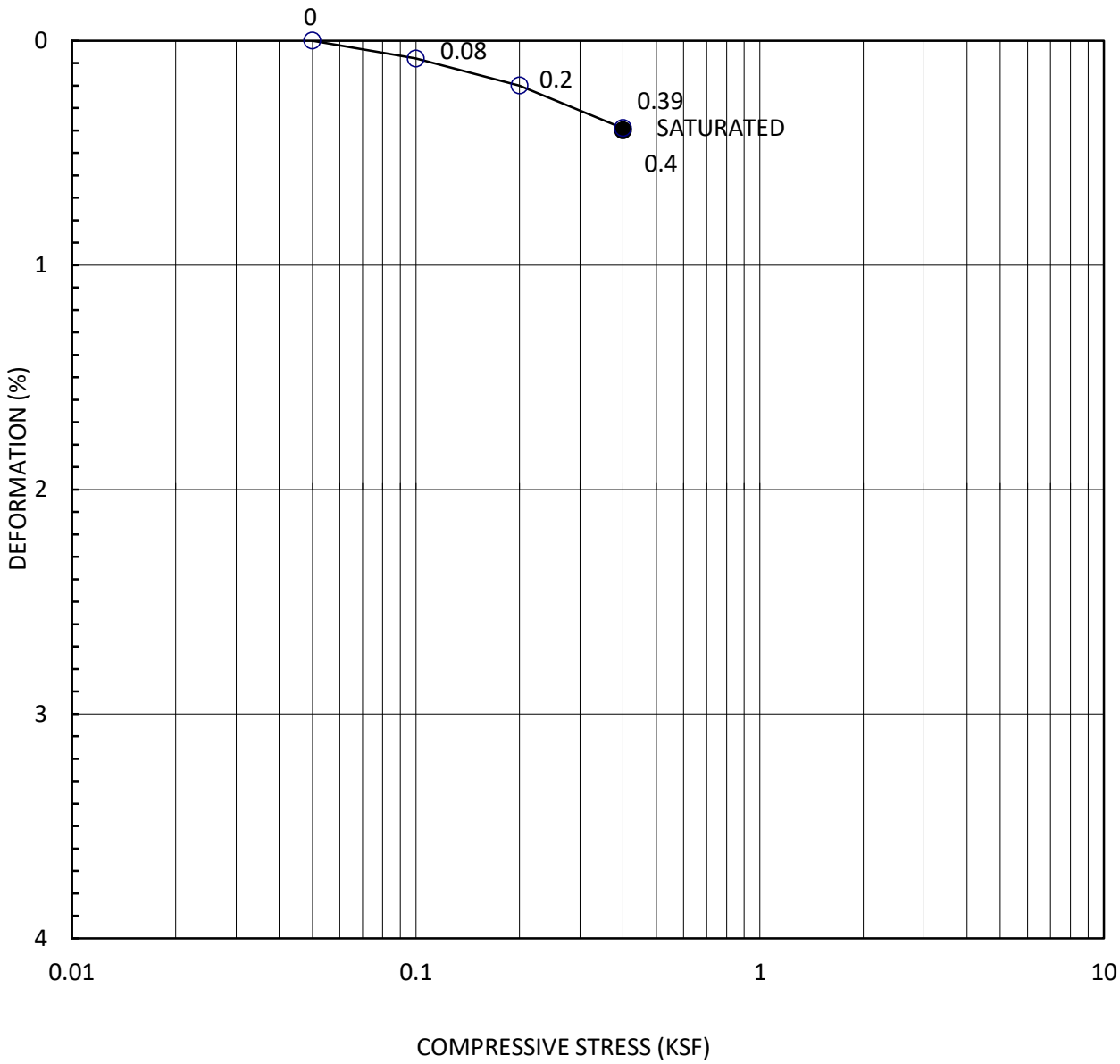
Symbol	Boring No.	Sample No.	Depth (ft.)	Soil Type	Initial Moisture Content	Init. Dry Density (pcf)	Init. Void Ratio
○	B1	R2	6.0	SM	14.9	113.9	0.479

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Job No: SC6101
EGLAB Project No: 22-022-001

COLLAPSE POTENTIAL

(ASTM D5333)

FIGURE B-4a



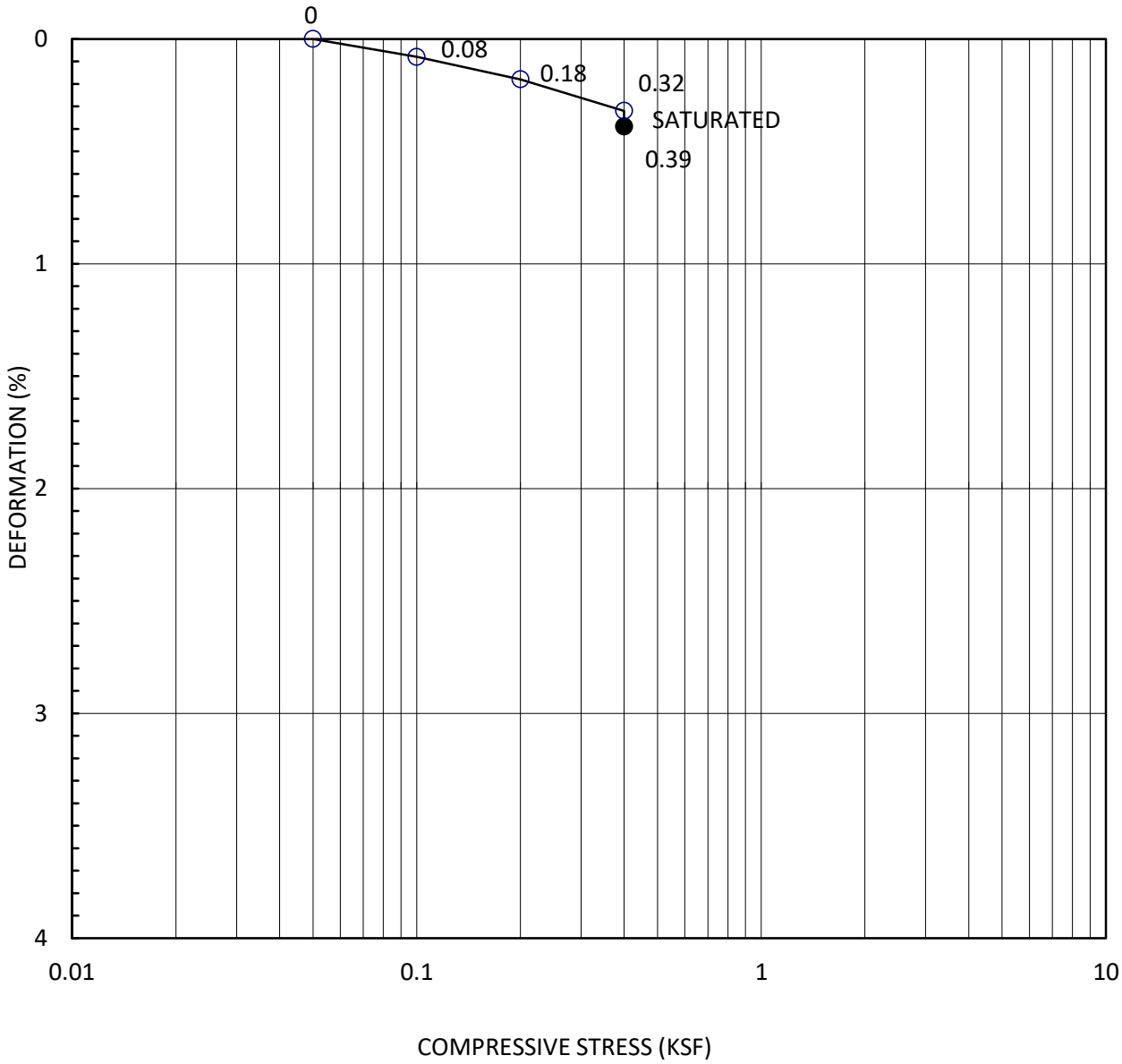
Symbol	Boring No.	Sample No.	Depth (ft.)	Soil Type	Initial Moisture Content	Init. Dry Density (pcf)	Init. Void Ratio
○	B4	R1	3.0	ML	13.2	110.3	0.527

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Job No: SC6101
EGLAB Project No: 22-022-001

COLLAPSE POTENTIAL

(ASTM D5333)

FIGURE B-4b



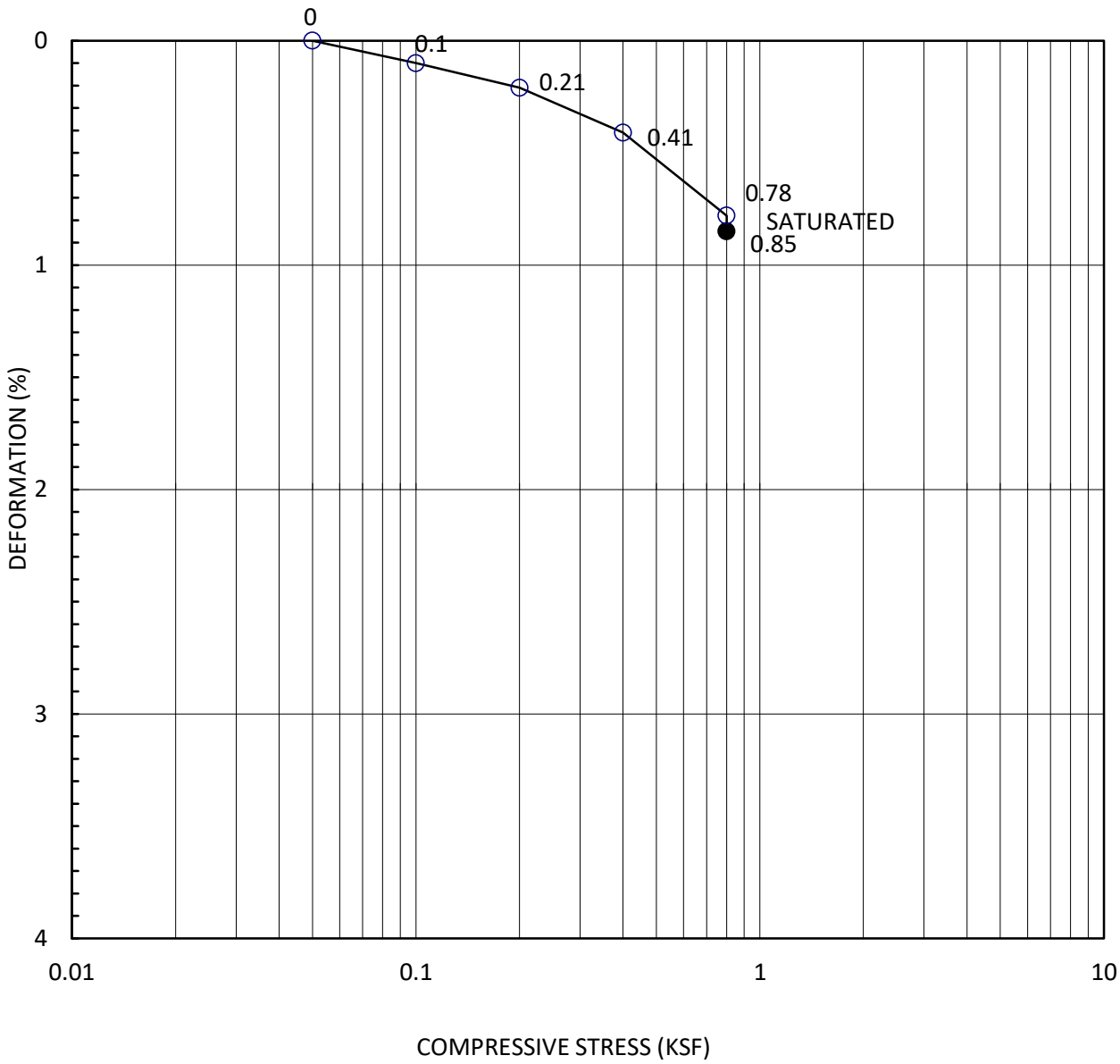
Symbol	Boring No.	Sample No.	Depth (ft.)	Soil Type	Initial Moisture Content	Init. Dry Density (pcf)	Init. Void Ratio
○	B12	R1	3.0	SM	6.7	107.2	0.571

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Job No: SC6101
EGLAB Project No: 22-022-001

COLLAPSE POTENTIAL

(ASTM D5333)

FIGURE B-4c



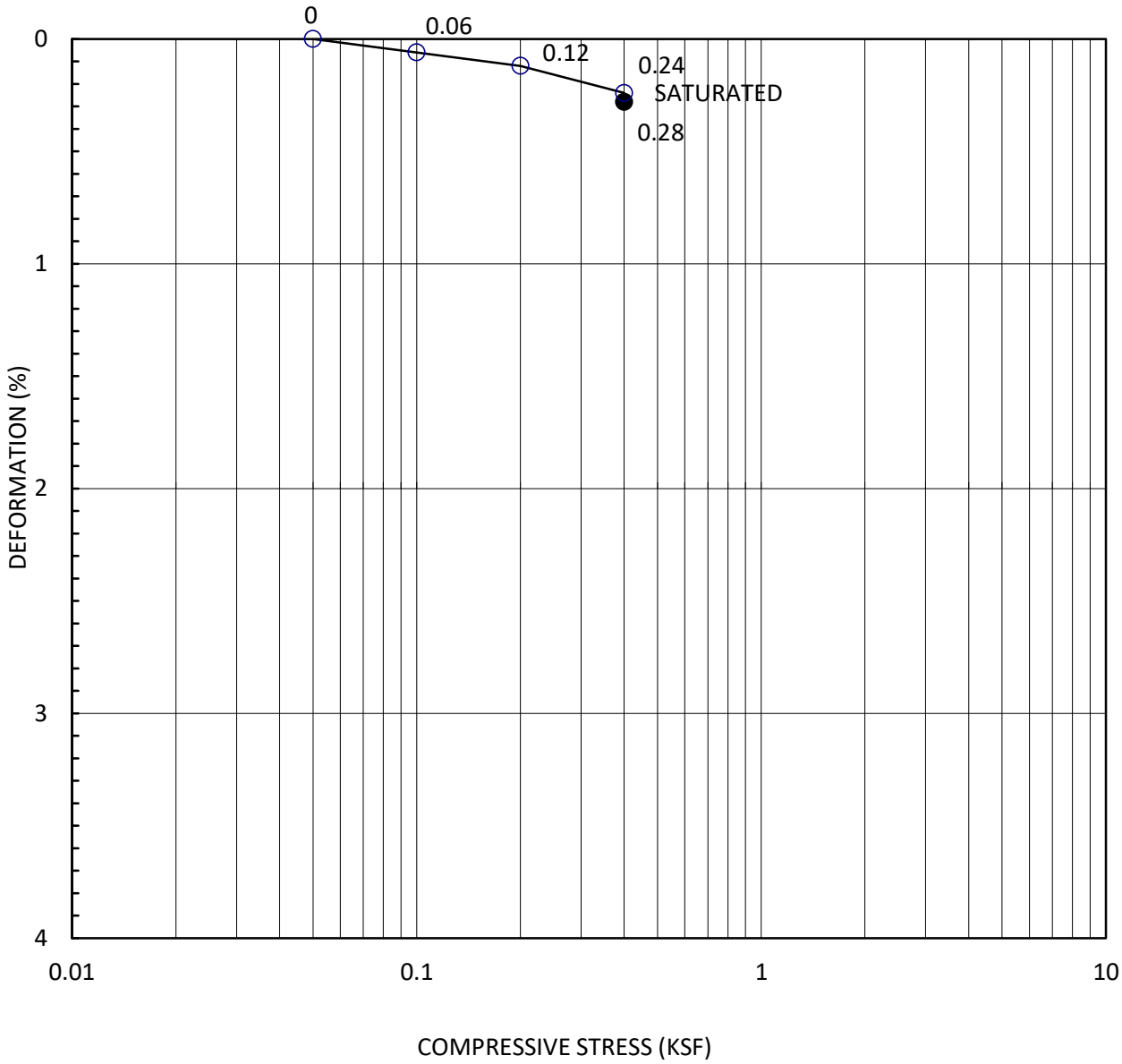
Symbol	Boring No.	Sample No.	Depth (ft.)	Soil Type	Initial Moisture Content	Init. Dry Density (pcf)	Init. Void Ratio
○	B19	R2	6.0	SM	13.7	114.5	0.472

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Job No: SC6101
EGLAB Project No: 22-022-001

COLLAPSE POTENTIAL

(ASTM D5333)

FIGURE B-4d



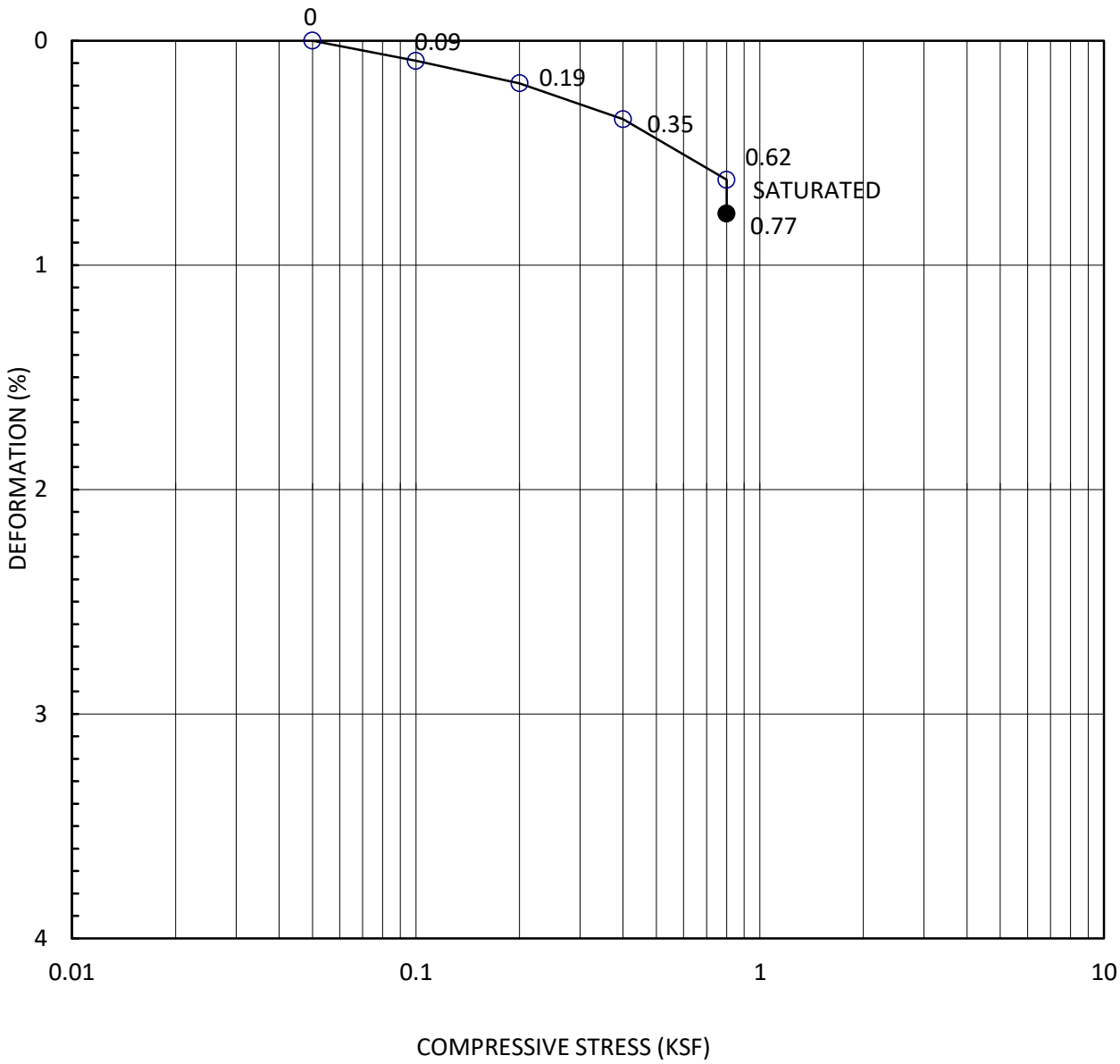
Symbol	Boring No.	Sample No.	Depth (ft.)	Soil Type	Initial Moisture Content	Init. Dry Density (pcf)	Init. Void Ratio
○	B35	R1	3.0	SM	6.9	110.8	0.520

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Job No: SC6101
EGLAB Project No: 22-022-001

COLLAPSE POTENTIAL

(ASTM D5333)

FIGURE B-4e



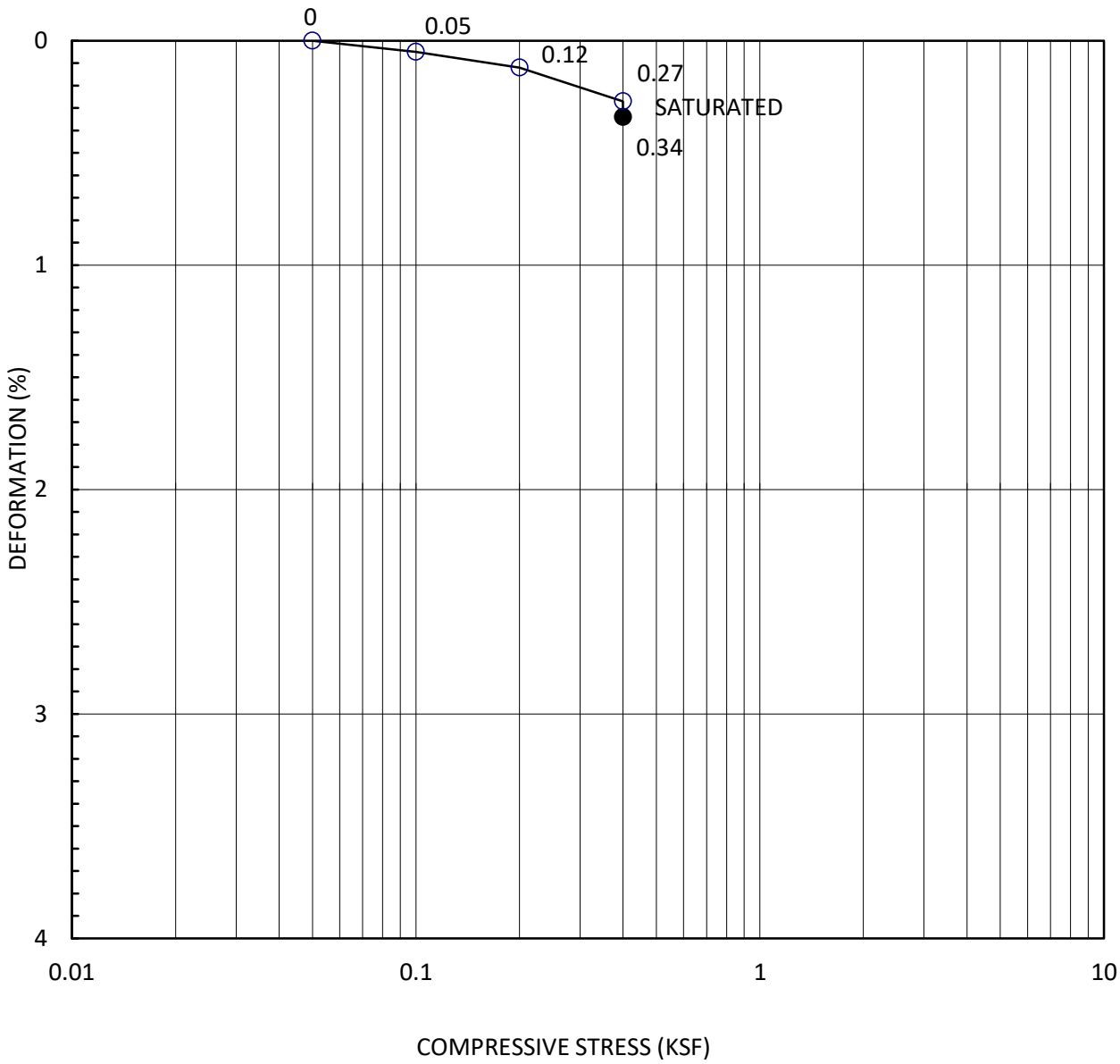
Symbol	Boring No.	Sample No.	Depth (ft.)	Soil Type	Initial Moisture Content	Init. Dry Density (pcf)	Init. Void Ratio
○	B58	R2	6.0	SM	7.5	108.0	0.560

Project Name: SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Job No: SC6101
EGLAB Project No: 22-022-001

COLLAPSE POTENTIAL

(ASTM D5333)

FIGURE B-4f



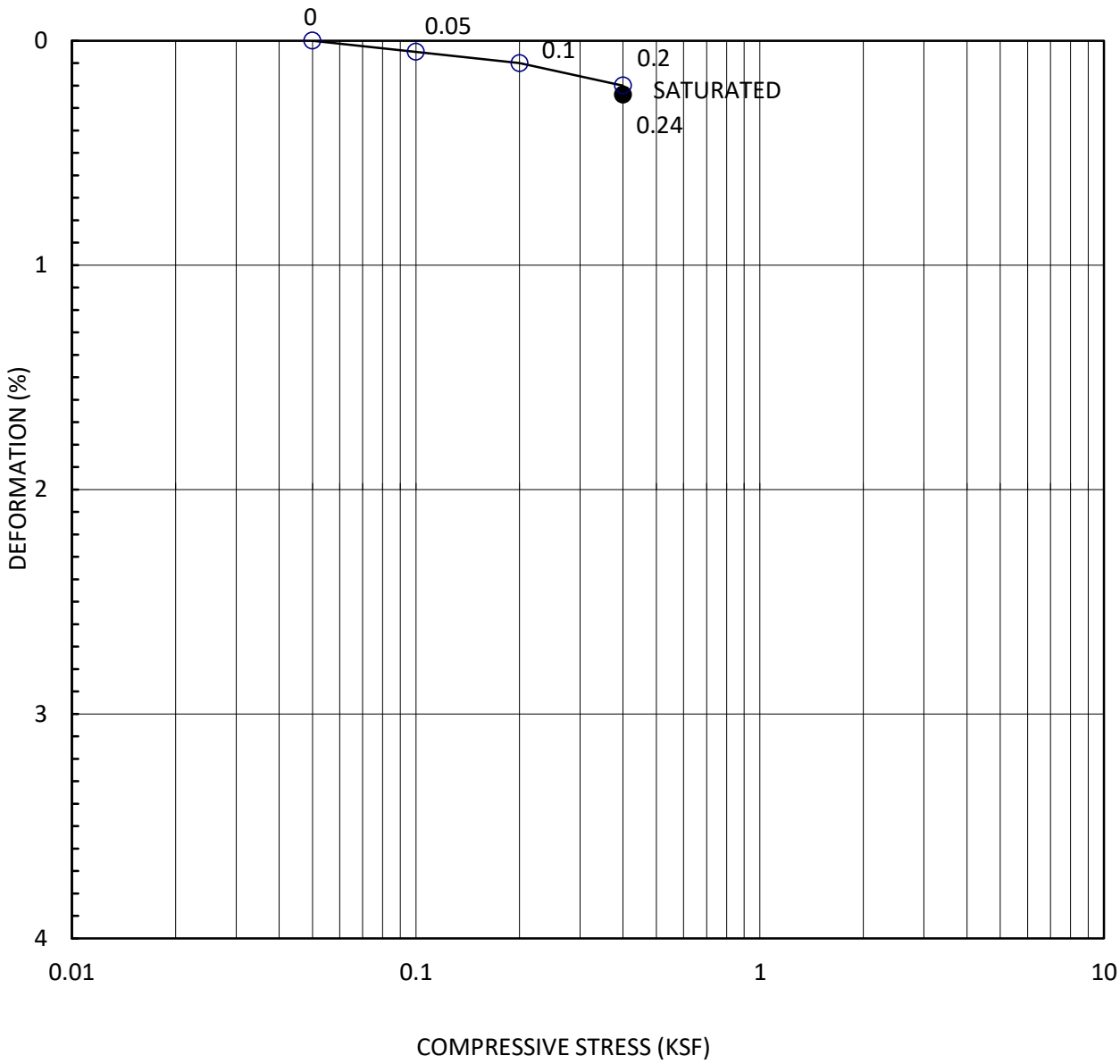
Symbol	Boring No.	Sample No.	Depth (ft.)	Soil Type	Initial Moisture Content	Init. Dry Density (pcf)	Init. Void Ratio
○	B76	R1	3.0	SM	7.6	112.8	0.493

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Job No: SC6101
EGLAB Project No: 22-022-001

COLLAPSE POTENTIAL

(ASTM D5333)

FIGURE B-4g



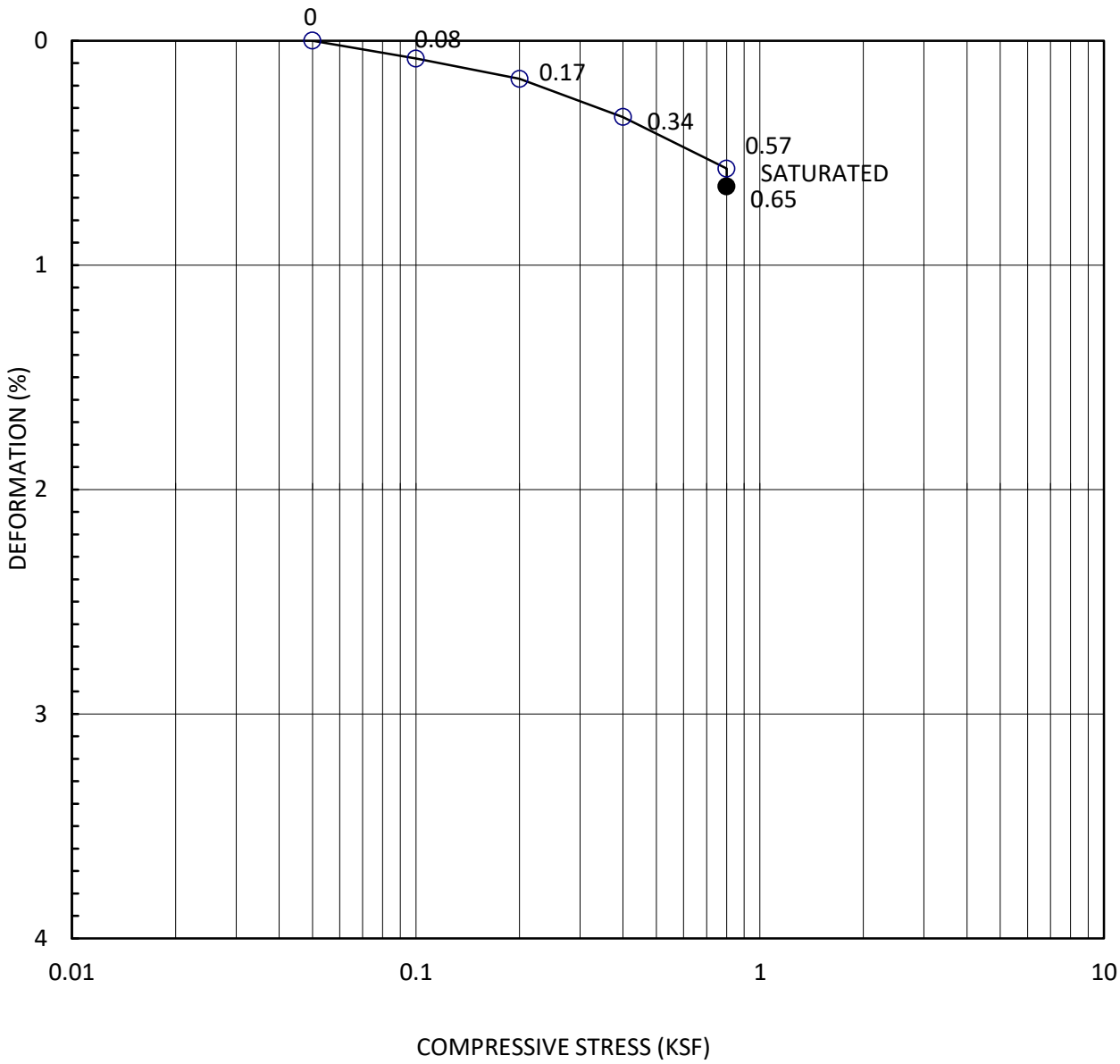
Symbol	Boring No.	Sample No.	Depth (ft.)	Soil Type	Initial Moisture Content	Init. Dry Density (pcf)	Init. Void Ratio
○	B79	R1	3.0	SP-SM	3.9	109.5	0.538

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Job No: SC6101
EGLAB Project No: 22-022-001

COLLAPSE POTENTIAL

(ASTM D5333)

FIGURE B-4h



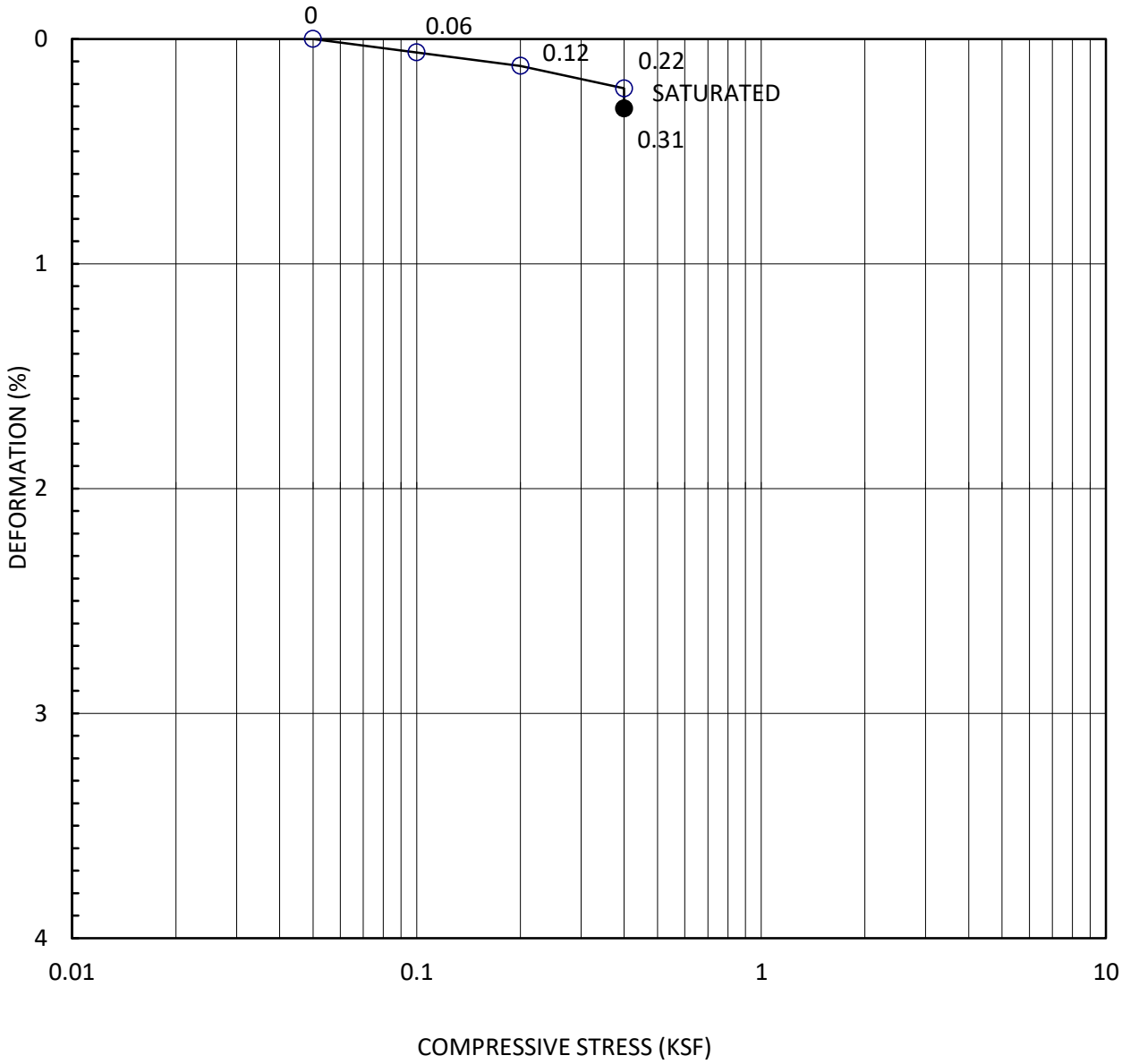
Symbol	Boring No.	Sample No.	Depth (ft.)	Soil Type	Initial Moisture Content	Init. Dry Density (pcf)	Init. Void Ratio
○	B83	R2	6.0	SM	10.3	111.4	0.513

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Job No: SC6101
EGLAB Project No: 22-022-001

COLLAPSE POTENTIAL

(ASTM D5333)

FIGURE B-4i



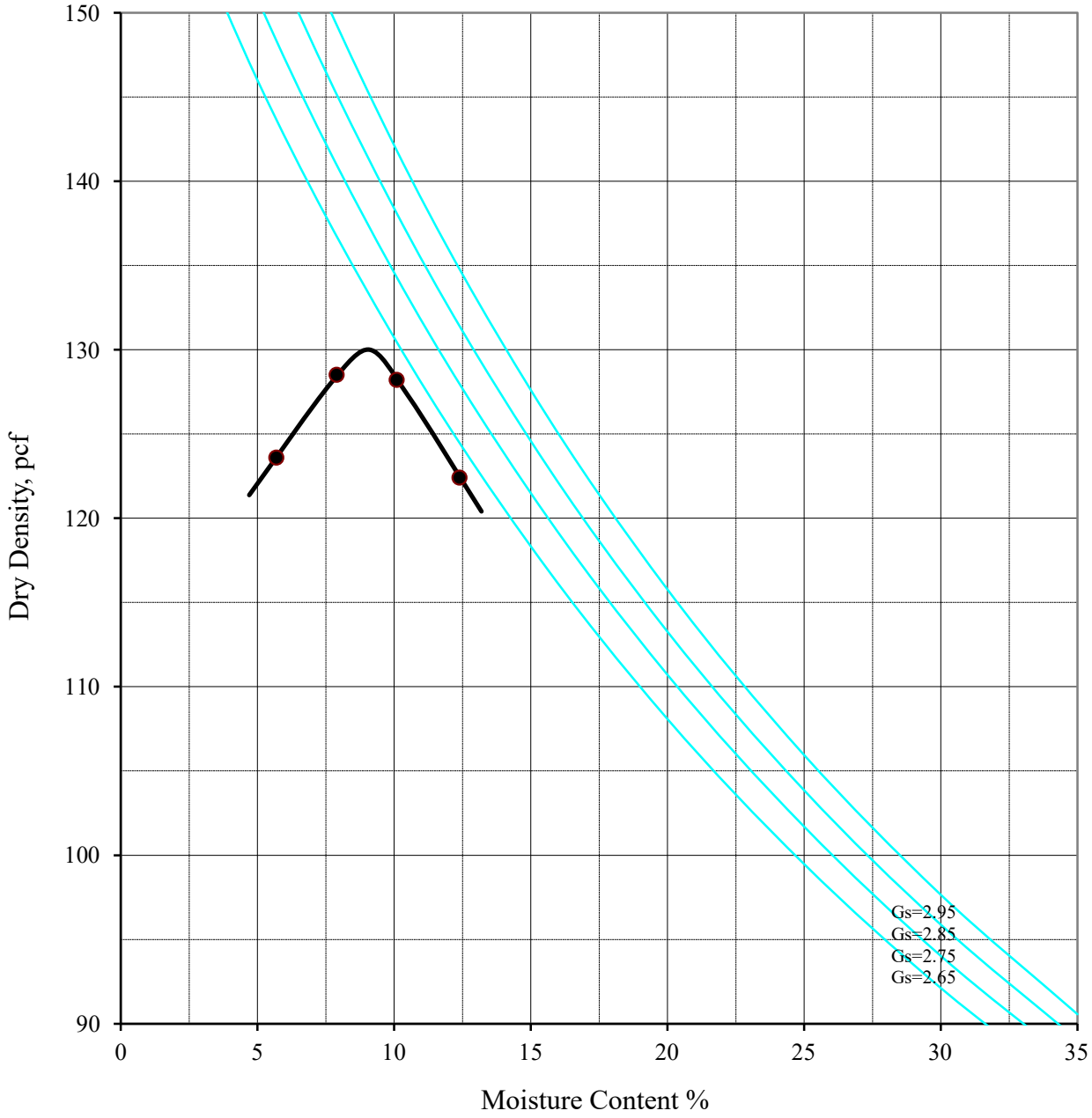
Symbol	Boring No.	Sample No.	Depth (ft.)	Soil Type	Initial Moisture Content	Init. Dry Density (pcf)	Init. Void Ratio
○	B86	R1	3.0	SM	8.5	104.4	0.614

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Job No: SC6101
EGLAB Project No: 22-022-001

COLLAPSE POTENTIAL

(ASTM D5333)

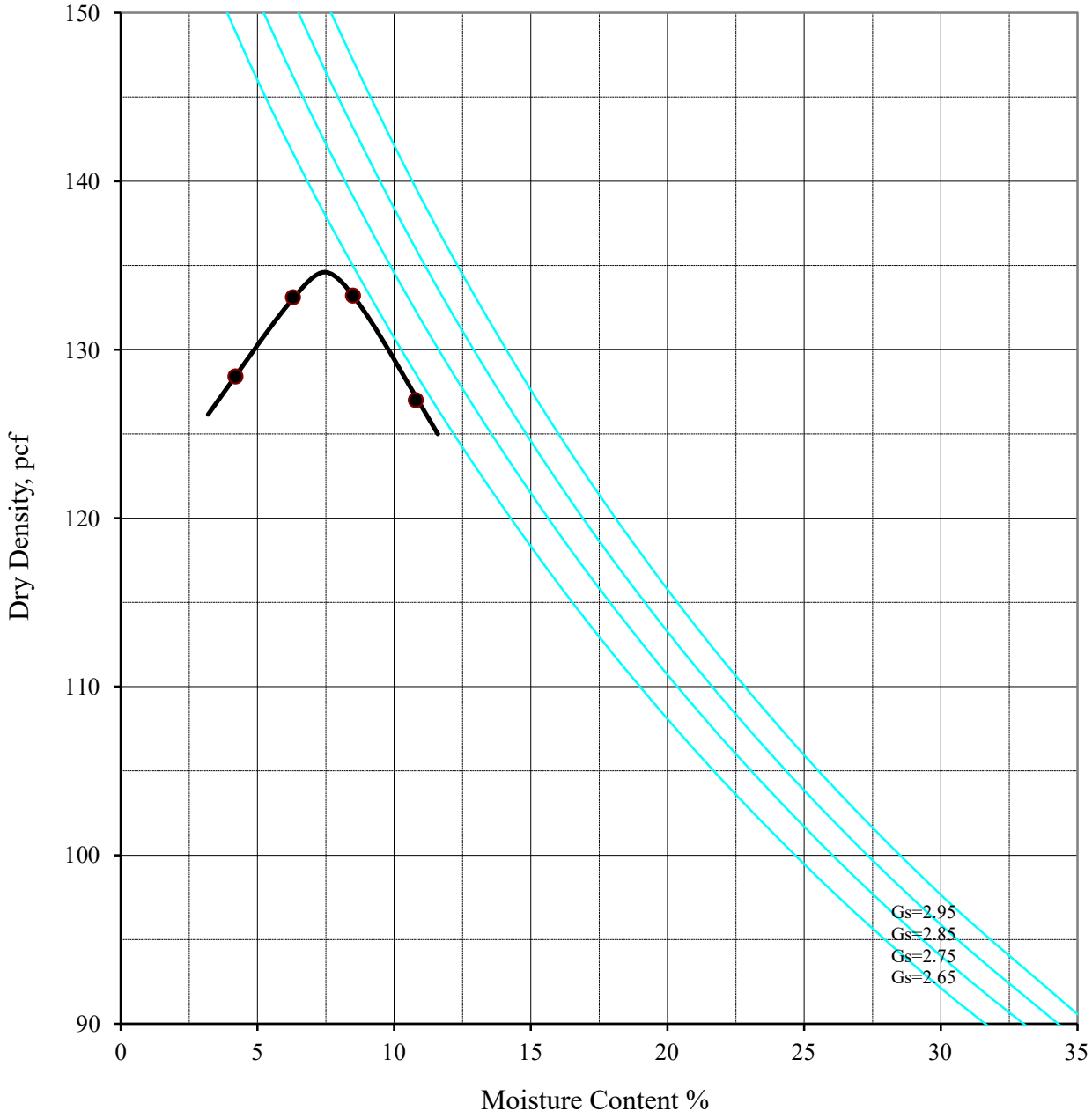
FIGURE B-4j



Method "A"

	Boring No: B10
Maximum Dry Density = **130.0** pcf	Sample: Bulk
Optimum Moisture Content = **9.1** %	Depth : 1.0-5.0 feet
	Description : Silty sand (SM)
	Project Name: SACC at OIAA
	Client Name: Cotton, Shires & Associates, Inc.
Modified Proctor	Job No.: SC6101
(ASTM D1557)	EGLAB Project No.: 22-022-001
	Date :

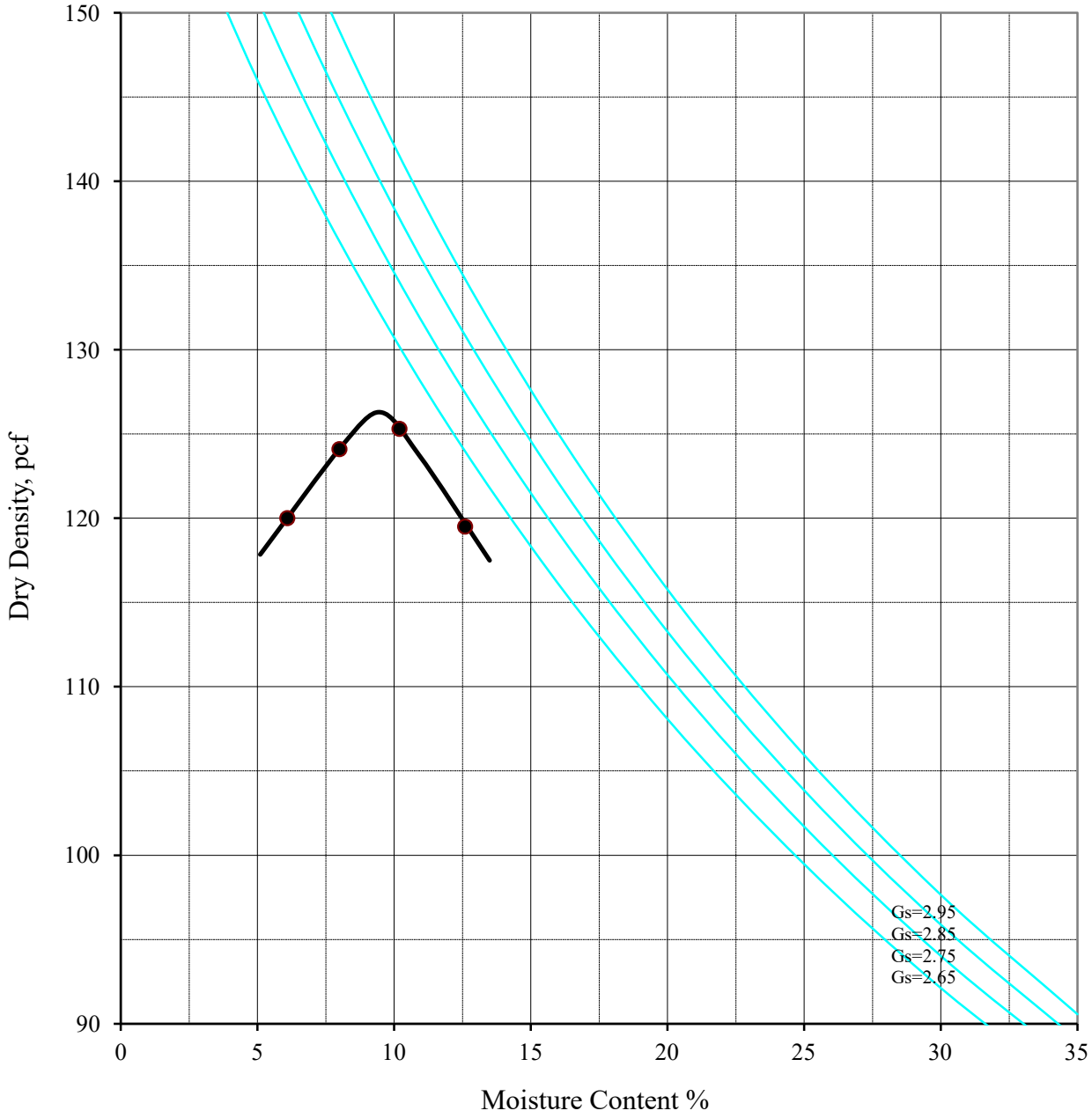
FIGURE B-5a



Method "A"

	Boring No: B15
Maximum Dry Density = **134.6** pcf	Sample: Bulk
	Depth : 1.0-5.0 feet
Optimum Moisture Content = **7.5** %	Description : Silty sand (SM)
	Project Name: SACC at OIAA
	Client Name: Cotton, Shires & Associates, Inc.
Modified Proctor	Job No.: SC6101
	EGLAB Project No.: 22-022-001
(ASTM D1557)	Date :

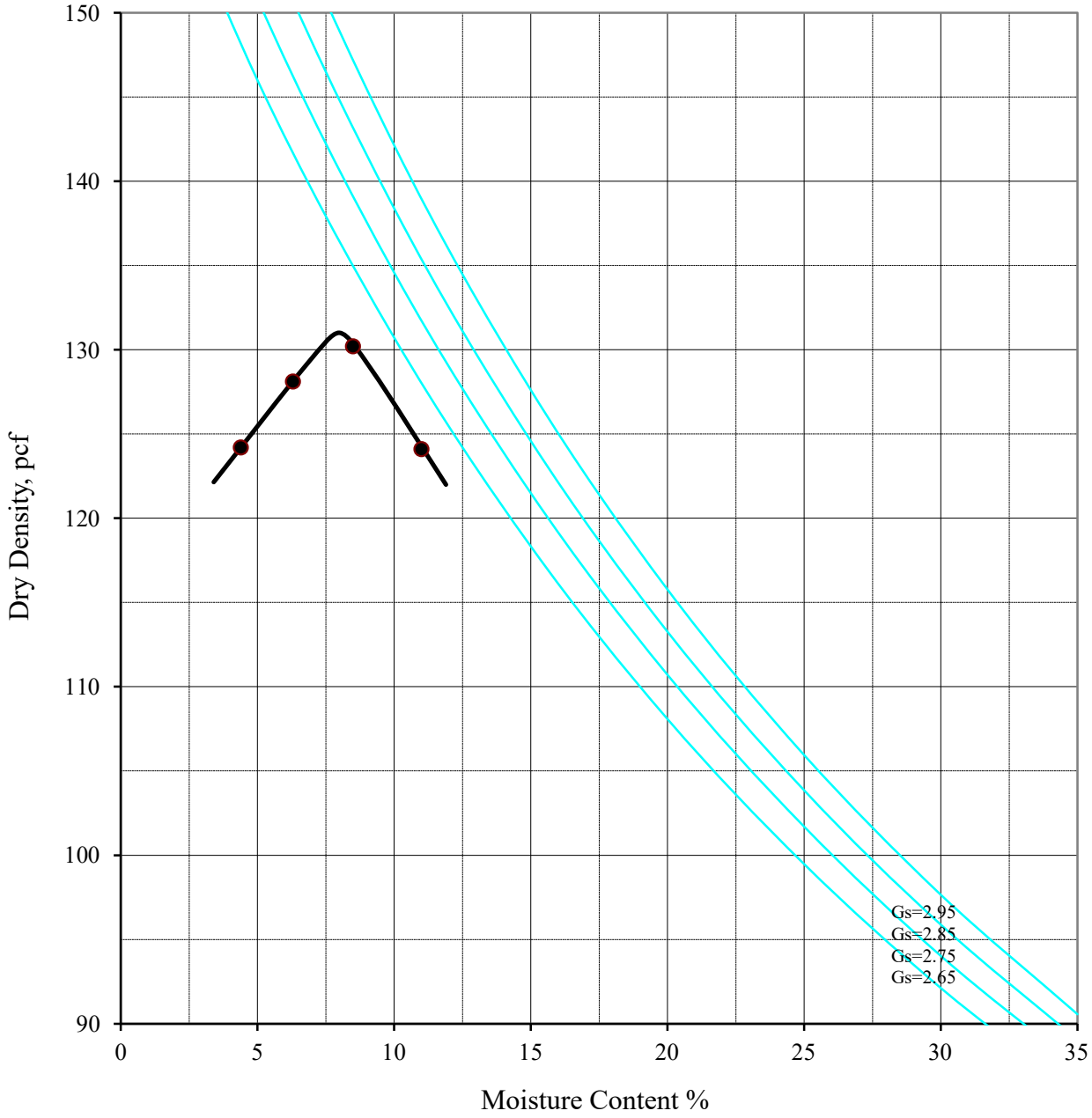
FIGURE B-5b



Method "A"

	Boring No: B41
Maximum Dry Density = **126.3** pcf	Sample: Bulk
	Depth : 1.0-6.0 feet
Optimum Moisture Content = **9.5** %	Description : Silty sand (SM)
	Project Name: SACC at OIAA
	Client Name: Cotton, Shires & Associates, Inc.
Modified Proctor	Job No.: SC6101
	EGLAB Project No.: 22-022-001
(ASTM D1557)	Date :

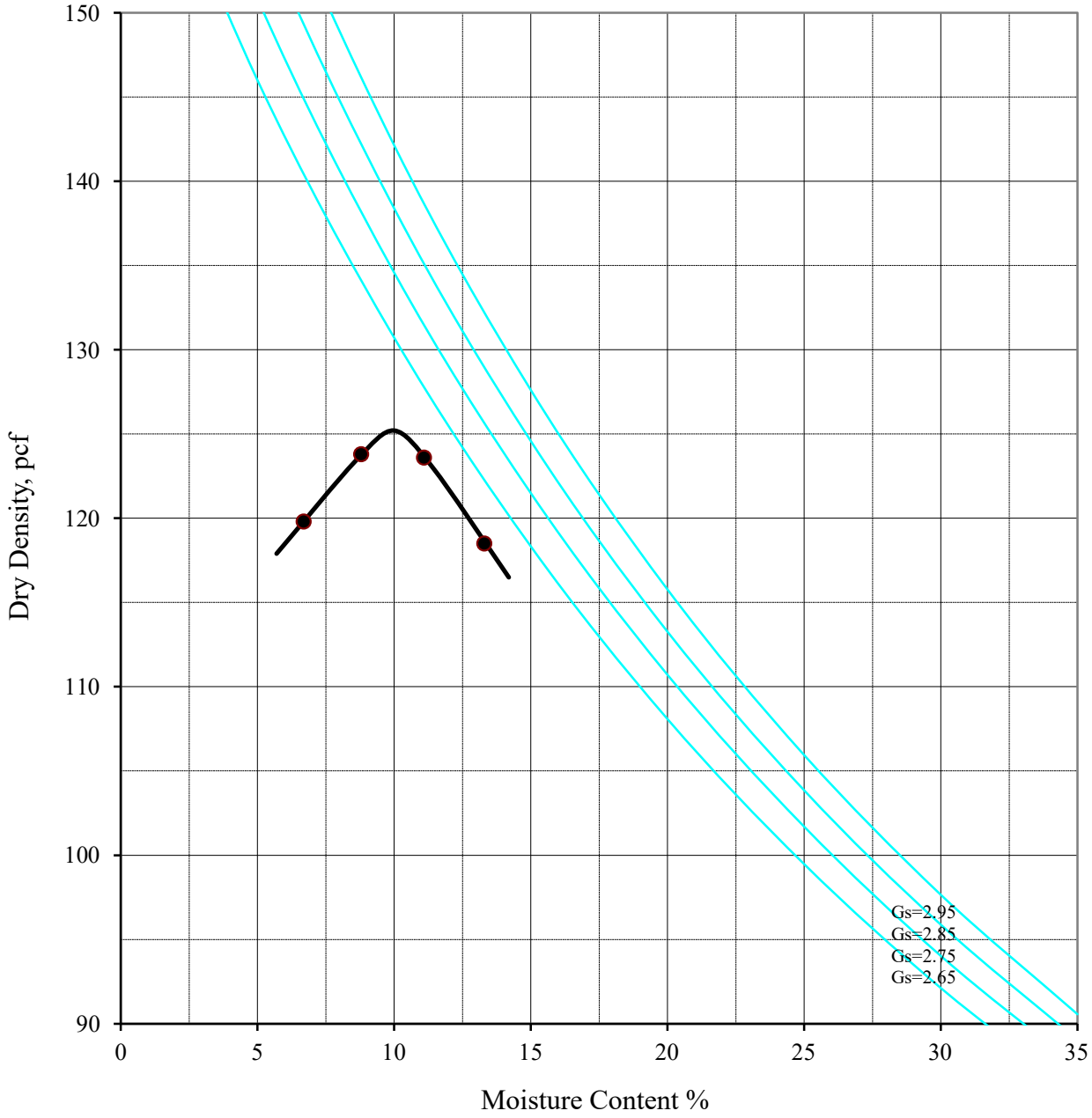
FIGURE B-5c



Method "A"

	Boring No: B47
Maximum Dry Density = **131.0** pcf	Sample: Bulk
	Depth : 1.0-5.0 feet
Optimum Moisture Content = **8.0** %	Description : Silty sand (SM), trace gravel
	Project Name: SACC at OIAA
	Client Name: Cotton, Shires & Associates, Inc.
Modified Proctor	Job No.: SC6101
	EGLAB Project No.: 22-022-001
(ASTM D1557)	Date :

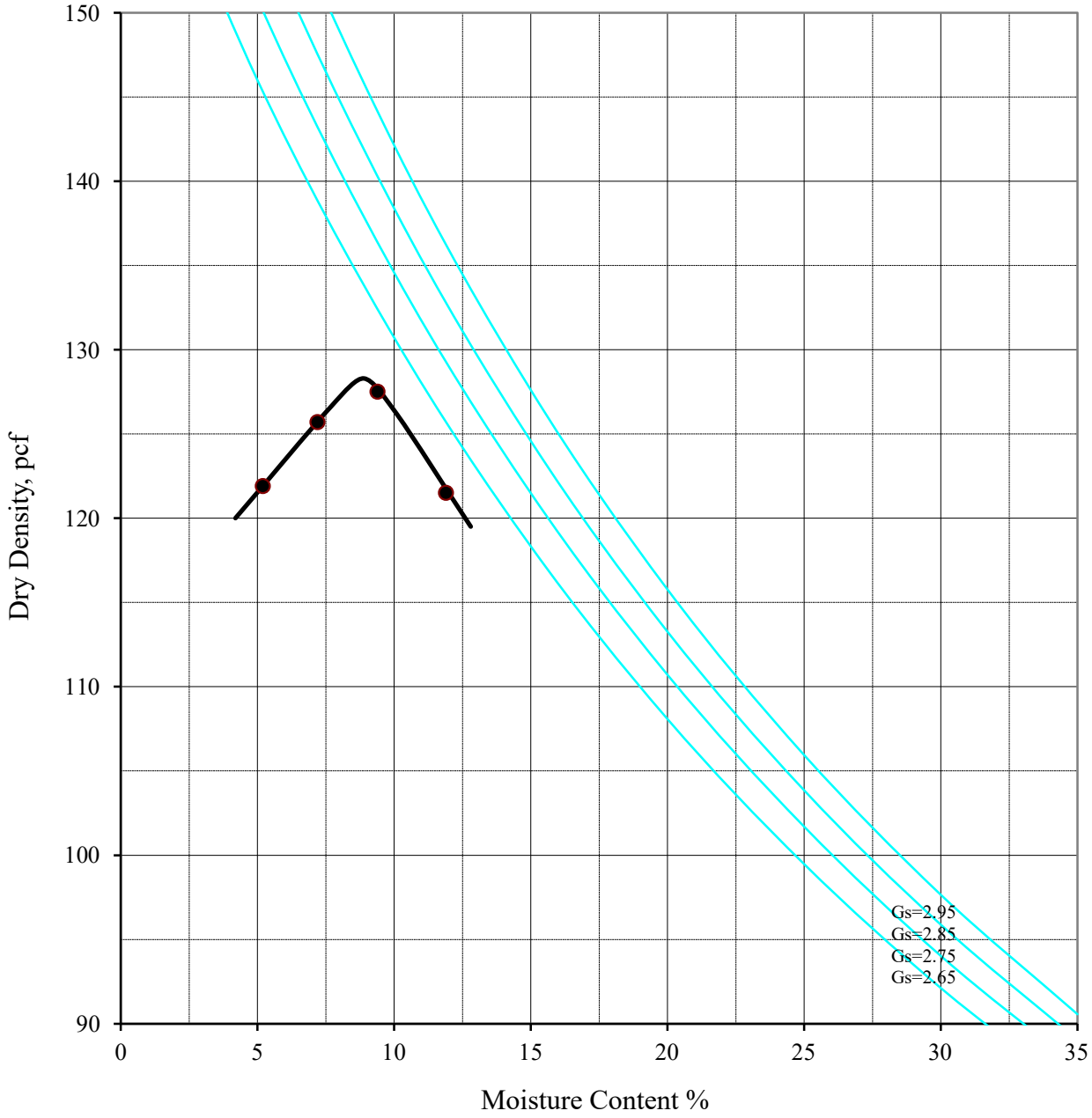
FIGURE B-5d



Method "A"

	Boring No: B55
Maximum Dry Density = **125.2** pcf	Sample: Bulk
	Depth : 1.0-5.0 feet
Optimum Moisture Content = **10.0** %	Description : Silty sand (SM), some gravel
	Project Name: SACC at OIAA
	Client Name: Cotton, Shires & Associates, Inc.
Modified Proctor	Job No.: SC6101
	EGLAB Project No.: 22-022-001
(ASTM D1557)	Date :

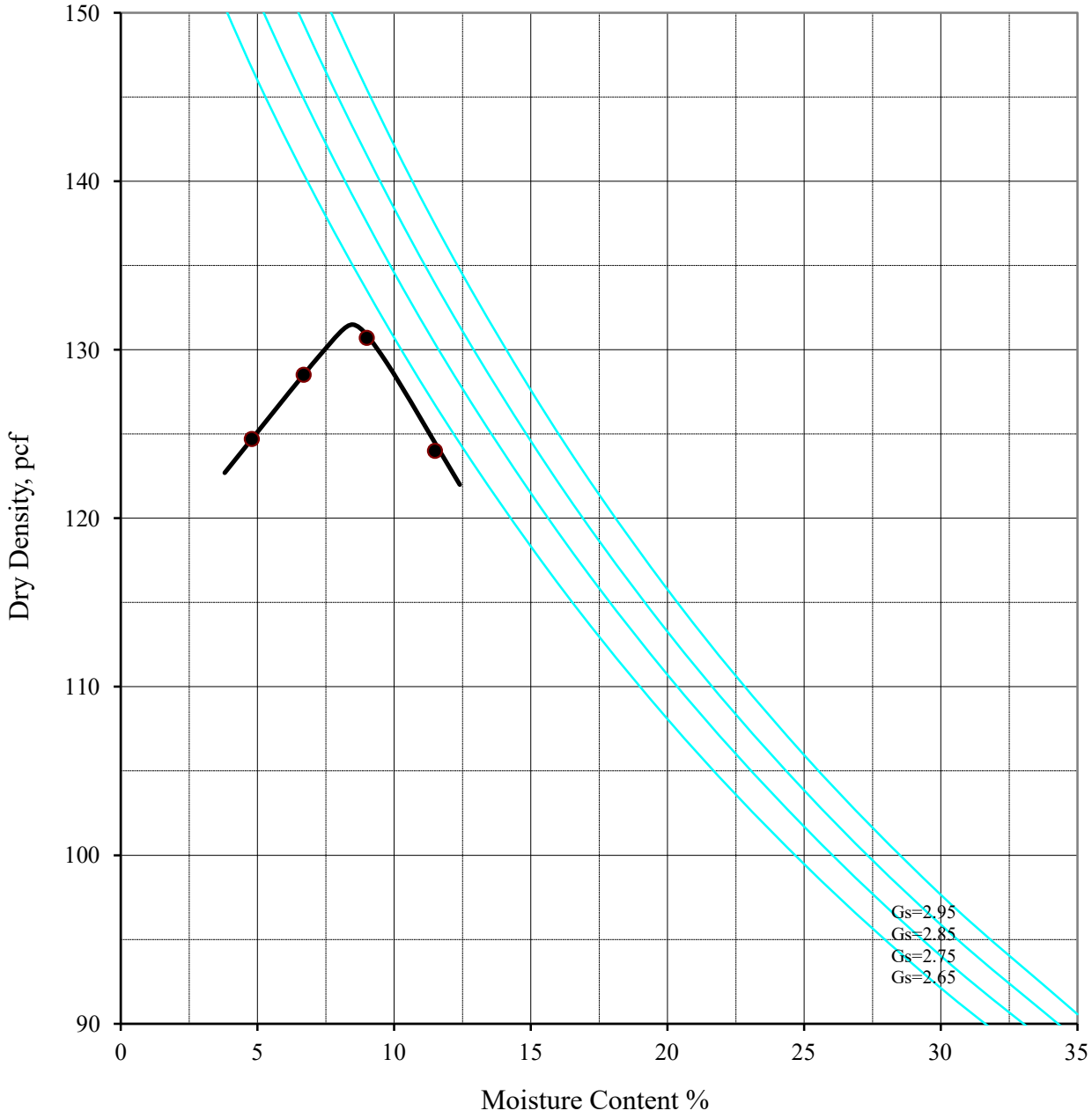
FIGURE B-5e



Method "A"

	Boring No: B57
Maximum Dry Density = **128.3** pcf	Sample: Bulk
	Depth : 1.0-6.0 feet
Optimum Moisture Content = **8.9** %	Description : Silty sand (SM), trace gravel
	Project Name: SACC at OIAA
	Client Name: Cotton, Shires & Associates, Inc.
Modified Proctor	Job No.: SC6101
	EGLAB Project No.: 22-022-001
(ASTM D1557)	Date :

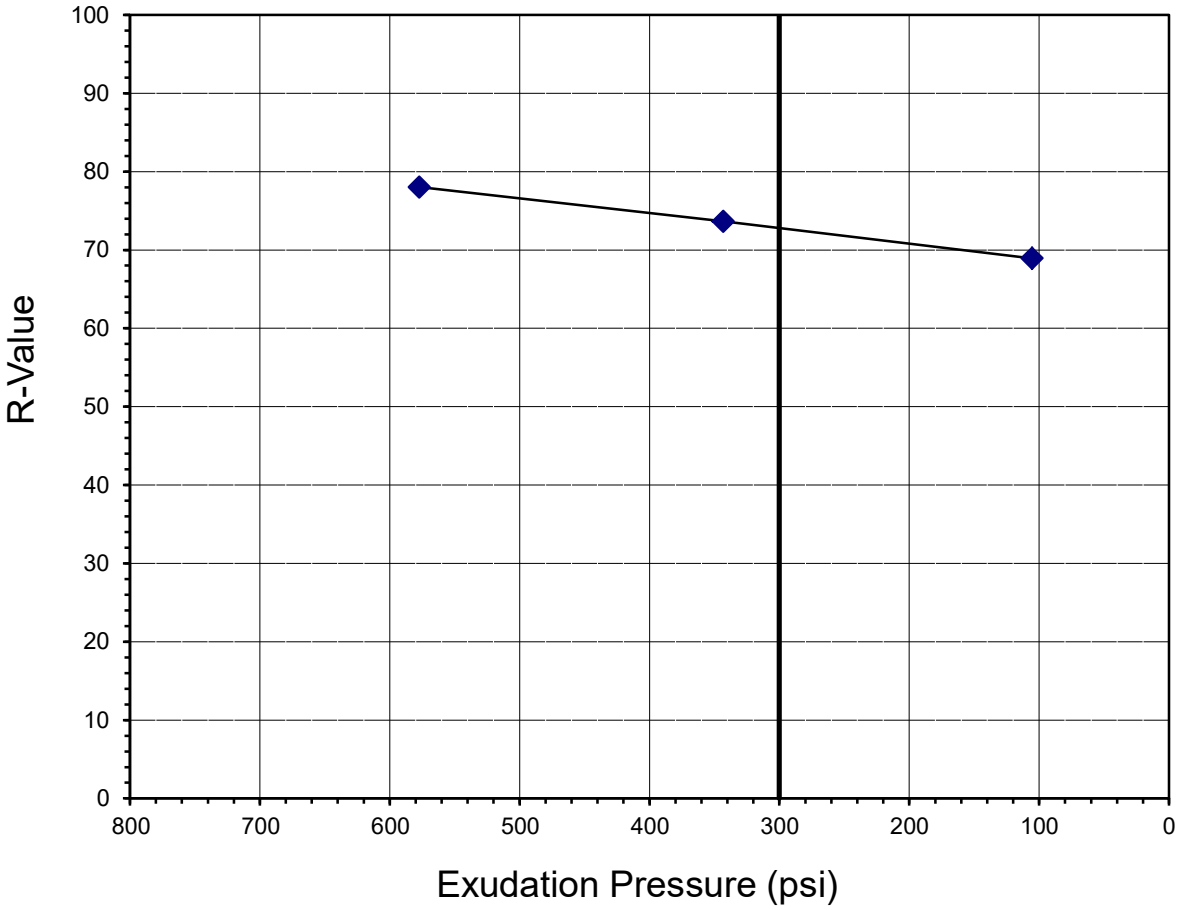
FIGURE B-5f



Method "A"

	Boring No: B85
Maximum Dry Density = **131.5** pcf	Sample: Bulk
	Depth : 1.0-5.0 feet
Optimum Moisture Content = **8.5** %	Description : Silty sand (SM), trace gravel and clay
	Project Name: SACC at OIAA
	Client Name: Cotton, Shires & Associates, Inc.
Modified Proctor	Job No.: SC6101
	EGLAB Project No.: 22-022-001
(ASTM D1557)	Date :

FIGURE B-5g



Test No.	Compaction Pressure (psi)	Density (pcf)	Moisture (%)	Expansion Pressure (psi)	Horizontal Pressure (psi) @ 160 psi	Sample Height (in)	Exudation Pressure (psi)	R-Value	R-Value Correction
1	350	119.7	11.0	0.00	34	2.58	343	72	74
2	350	119.2	11.4	0.00	38	2.51	105	69	69
3	350	120.2	10.6	0.00	27	2.51	577	78	78

Test Name and Method:
Resistance R-Value and Expansion Pressure - Cal Test 301

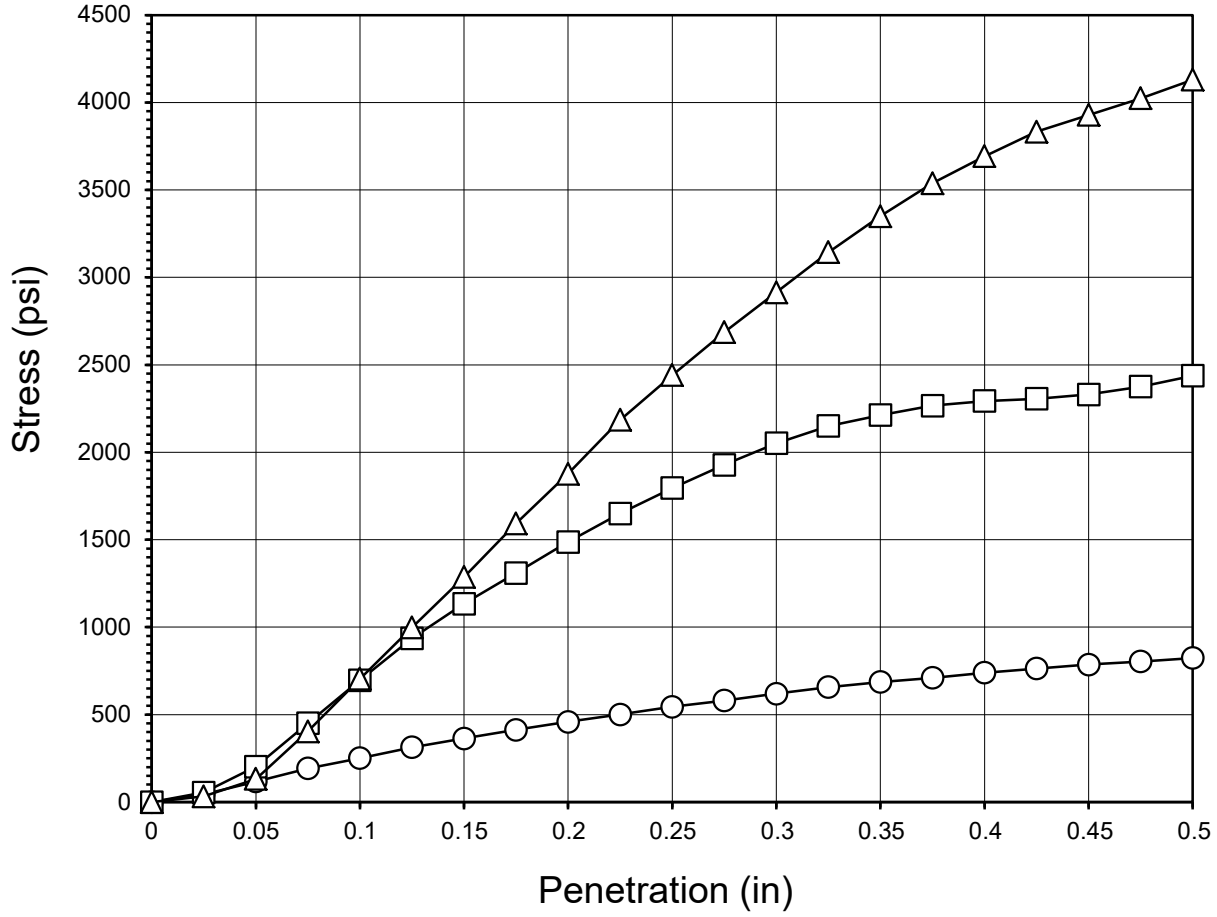
Boring No.: B41
Sample No.: Bulk
Depth: (ft) 1.0-6.0
Sample Type: Bulk
Sample Description: Silty sand (SM)
Test Date: 2/21/22

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Project No.: SC6101
EGLAB Job No.: 22-022-001

Test Results: R-Value at 300 psi
Exudation Pressure: **73**

R-VALUE TEST REPORT

FIGURE B-6



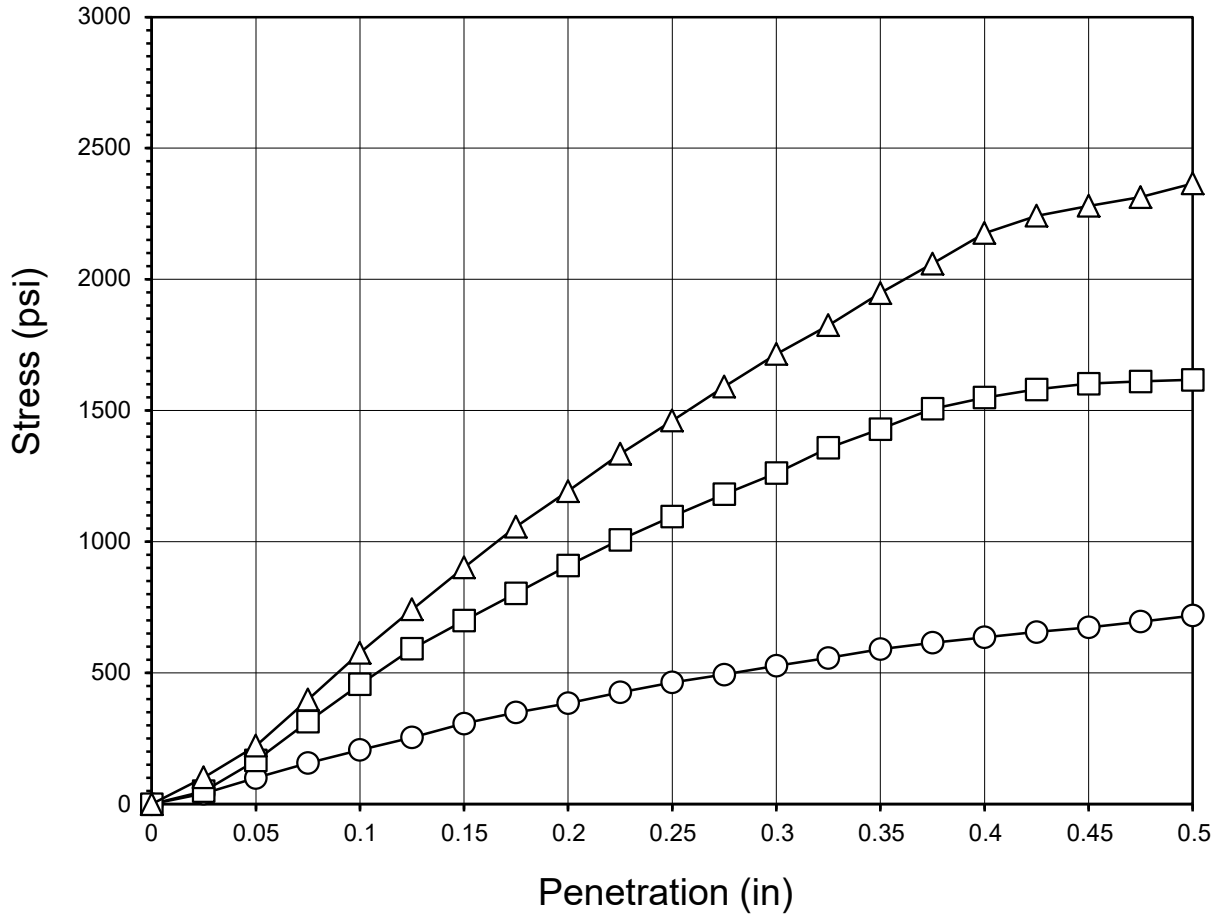
Symbol	Boring No.	Depth (ft)	Sample Number	Moisture Content (%)	As-Molded Dry Density (pcf)	Swell (%)	After Test Moisture (%)	CBR (0.1 in / 0.2 in Penetration)	
○	B15	1.0-5.0	Bulk	7.5	124	0.40	11	27.68	31.80
□	B15	1.0-5.0	Bulk	7.5	130	0.30	10	98.76	112.62
△	B15	1.0-5.0	Bulk	7.5	134	0.10	9	116.30	155.69

Sample Description: (SM) Silty sand, trace gravel

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Project No: SC6101
EGL Project No: 22-022-001

CALIFORNIA BEARING RATIO
(ASTM D1883)

FIGURE B-7a



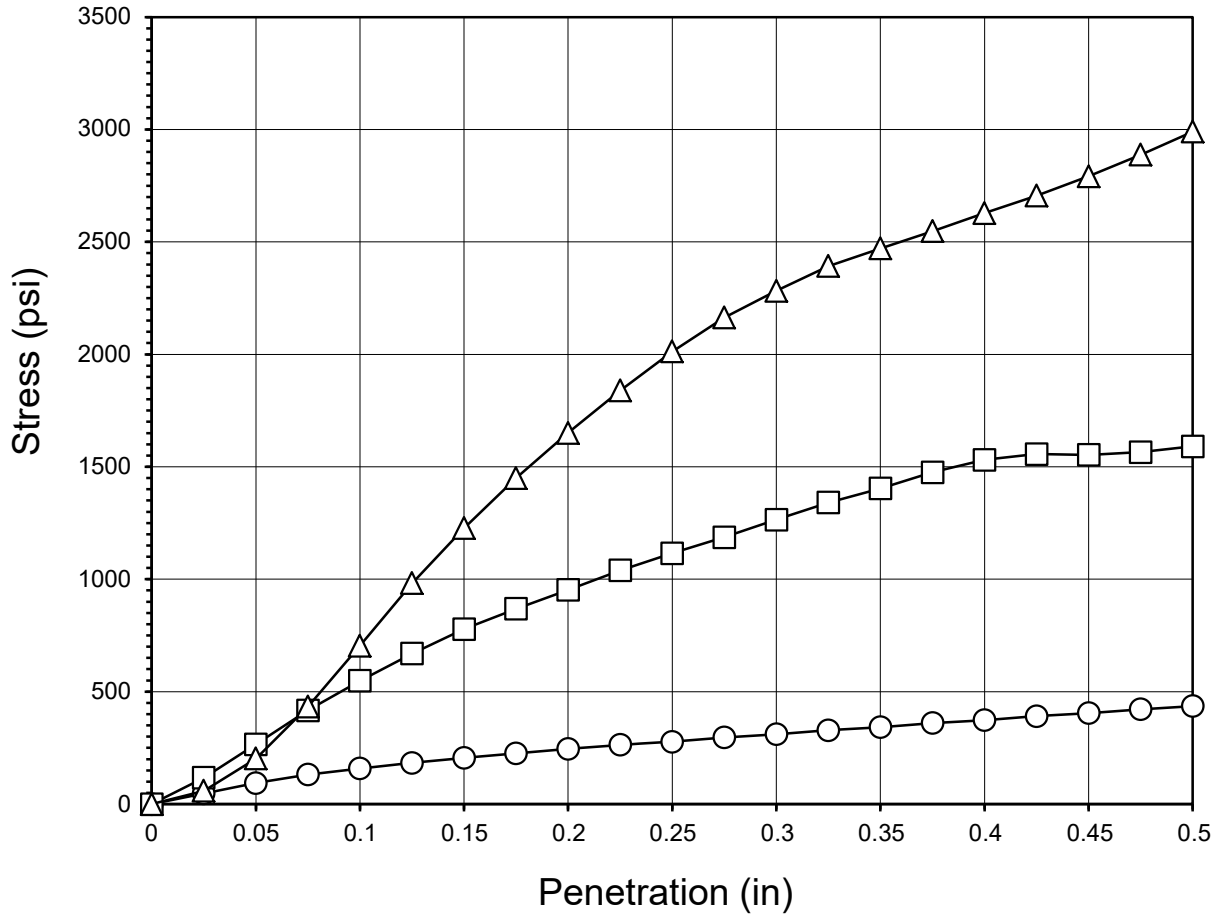
Symbol	Boring No.	Depth (ft)	Sample Number	Moisture Content (%)	As-Molded Dry Density (pcf)	Swell (%)	After Test Moisture (%)	CBR (0.1 in / 0.2 in Penetration)	
○	B57	1.0-6.0	Bulk	8.8	117	0.50	13	22.26	26.60
□	B57	1.0-6.0	Bulk	8.9	123	0.20	11	57.40	66.32
△	B57	1.0-6.0	Bulk	8.9	127	0.10	11	70.55	86.99

Sample Description: (SM) Silty sand, trace gravel

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Project No: SC6101
EGL Project No: 22-022-001

CALIFORNIA BEARING RATIO
(ASTM D1883)

FIGURE B-7b



Symbol	Boring No.	Depth (ft)	Sample Number	Moisture Content (%)	As-Molded Dry Density (pcf)	Swell (%)	After Test Moisture (%)	CBR (0.1 in / 0.2 in Penetration)	
○	B85	1.0-5.0	Bulk	8.7	119	1.50	14	15.86	16.33
□	B85	1.0-5.0	Bulk	8.9	126	1.70	11	57.98	65.08
△	B85	1.0-5.0	Bulk	8.8	132	2.20	10	108.33	127.55

Sample Description: (SM) Silty sand, trace gravel and clay

Project Name:
SACC at OIAA
Client: Cotton, Shires & Associates, Inc.
Project No: SC6101
EGL Project No: 22-022-001

CALIFORNIA BEARING RATIO
(ASTM D1883)

FIGURE B-7c

SUMMARY OF PERMEABILITY TEST RESULTS

PROJECT NAME: SACC at OIAA

EGLAB JOB NO.: 22-098-001

PROJECT NO.: SC6101

CLIENT: Cotton, Shires & Associates, Inc.

SUMMARIZED BY: JT

BORING NO.	SAMPLE NO.	DEPTH (ft)	MOISTURE CONTENT ASTM D2216 (%)	DRY DENSITY ASTM D2937 (pcf)	EFFECTIVE CONFINED PRESSURE (psi)	SATURATED HYDRAULIC CONDUCTIVITY ASTM D5084 (cm/sec)
B9	R2	6.0	6.7	106.9	3.2	1.1E-04
B9	R3	8.0	6.0	104.2	4.1	2.2E-04
B13	R1	3.0	6.3	103.3	3.0	2.5E-04
B13	R2	6.0 (Bottom)	8.2	94.8	3.0	6.3E-05

APPENDIX C
SITE-SPECIFIC GROUND MOTION RESPONSE ANALYSIS

APPENDIX C – SITE-SPECIFIC GROUND MOTION RESPONSE ANALYSIS

INTRODUCTION

CSA was requested to conduct site-specific ground motion response analysis for the proposed cargo sort facility warehouse. Based on our interpretation of the 2019 CBC/ASCE 7-16 code (ASCE 7-16, Chapter 20), structures on site class D sites with S_1 greater or equal to 0.2 require a site-specific ground motion hazard analysis (GMHA). However, there is an exception where a GMHA is not required if the structural design uses a seismic response coefficient, Cs, determined by Eq. 12.8-3 and 12.8-4 and multiplying by a factor of 1.5. This approach adds conservatism and increases the seismic design loads. We understand the planned warehouse will have fundamental period of 1.6 seconds. This appendix presents the methodology and results of our GMHA per ASCE 7-16, Chapter 21.

Per ASCE 7-16, ground motions should be calculated using probabilistic seismic hazard assessment (PSHA) based Maximum Considered Earthquake (MCE_R) and deterministic seismic hazard assessment (DSHA) based Maximum Considered Earthquake (MCE_R), and the selected spectral response acceleration (S_{aM}) shall be the lesser of the probabilistic and deterministic response spectra at any point.

CODE-BASED RESPONSE SPECTRA

We have included the ASCE/SEI 7-16 seismic design parameters (for location latitude, longitude: 34.0506, -117.6050) for reference in Table C-1.

TABLE C-1 - Seismic Design Parameters

Parameter	Value
Site Classification	D
Mapped Spectral Acc. 0.2 Sec. (g)	S_S = 1.578
Mapped Spectral Acc. 1 Sec. (g)	S_1 = 0.578
Fa – Site Coefficient	1.0
F_V – Site Coefficient	1.7
S_{MS} = Fa*Ss	1.578
S_{M1} = F_V*S_1	0.983
S_{DS} = 2/3*S_{MS}	1.052
S_{D1} = 2/3*S_{M1}	0.655
T_L	12
F_{PGA}	0.659
Ie	1
Cv	1.416
PGA_M	0.725

This design presented in Table C-1 produce the design and MCE response spectra presented in Graph C-1. The use of these parameters is only permitted if the seismic response coefficient, Cs, is multiplied by a factor of 1.5 for periods greater than $T_S = S_{D1}/S_{DS} = 0.62$.

GRAPH C-1 – Code Based Design and MCE Response Spectra



GROUND MOTION HAZARD ANALYSIS

Following Section 11.4.8 of ASCE 7-16, we completed a GMHA in accordance with Chapter 21, Section 21.2. As part of performing the GMHA, we developed a target MCE_R response spectrum. We evaluated both Probabilistic MCE_R spectral response accelerations utilizing Method 1 (ASCE7-16 Ch. 21.2.1.1), and Deterministic MCE_R spectral response accelerations to generate our target response spectrum for ground motion matching.

We utilized the USGS Unified Hazard Tool (UHT) based on UCERF 3 Data Set, and the Building Seismic Safety Council (BSSC) Scenario Catalog 2014 event set (BSSC 2014), which provides several nearby seismic scenarios.

Our analysis utilized the following Next Generation Attenuation West 2 (NGA-West 2) relationships: Abrahamson & Silva & Kamai (2014), Boore & Stewart & Seyhan & Atkinson (2014), Campbell & Bozorgnia (2014), and Chiou & Youngs (2014). We did not use the Idriss (2014) model because the site shear wave velocity profile is below the Idriss model limit (i.e., Idriss model is only valid when $V_{S30} > 450$ m/s). The spectral acceleration profiles for the various scenarios are presented in Graph C-3 below, with the largest acceleration calculated for the characteristic earthquakes used to determine the site specific MCE_R.

We applied rotation factors (scale factors) based on Shahi and Baker (2014) as opposed to the factors specified in ASCE 7-16 Chapter 21, Section 21.2, to calculate the maximum rotated component of the response spectra (RotD100). The rotation factors are shown in Table C-3 and Table C-4.

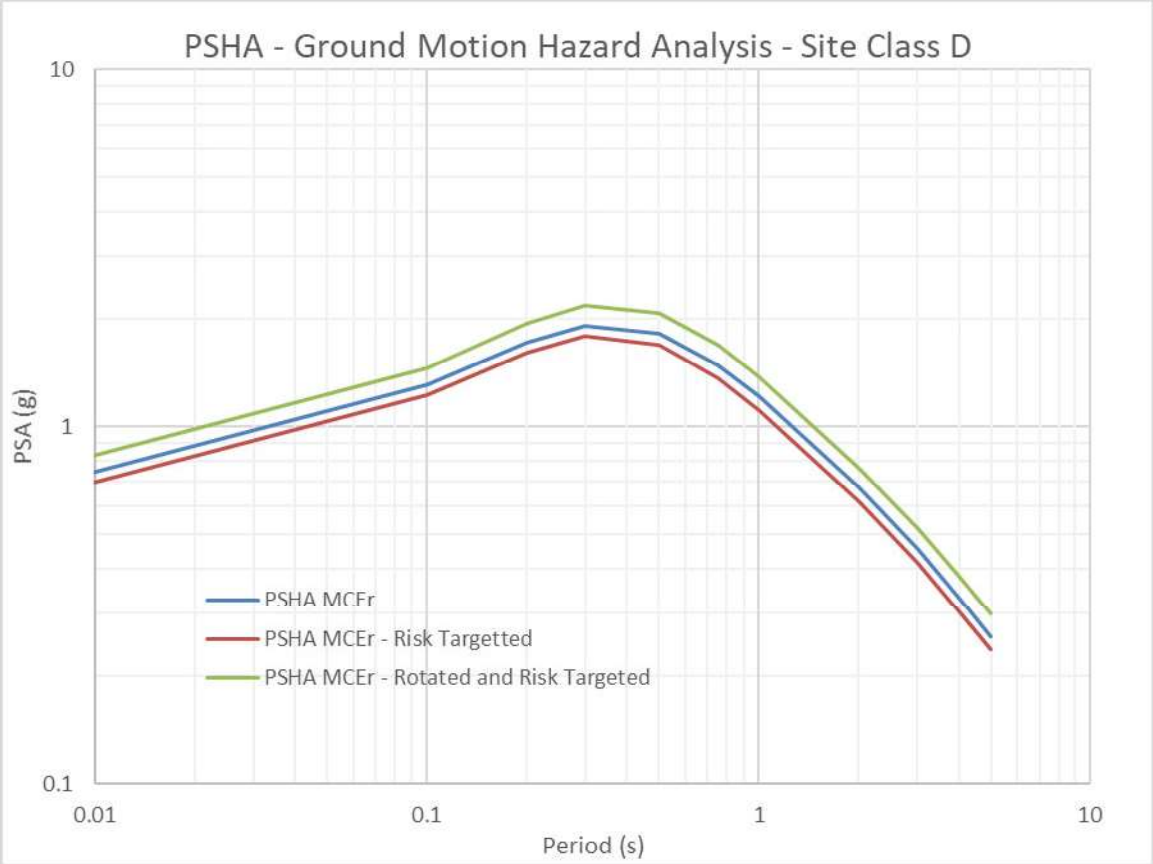
PROBABILISTIC SEISMIC HAZARD ASSESSMENT

We conducted a PSHA as outlined in ASCE 7-16 Section 21.2.1.1 (method 1). ASCE 7-16 Section 21.2.1 defines the Probabilistic MCE_R as "*the spectral response accelerations in the direction of maximum horizontal response represented by a 5% damped acceleration response spectrum that is expected to achieve a 1% probability of collapse within a 50-year period.*" The probabilistic MCE spectrum was provided using the UHT referenced above for a site class D site (Vs_{30} = 259 m/s). Results from the UHT including input parameters and deaggregation of the seismic sources are attached to this appendix. The probabilistic MCE spectrum was multiplied by Risk Coefficients (C_R) to determine the probabilistic MCE_R. The C_R values, C_{Rs} and C_{R1}, are based on ASCE 7-16 Section 21.2.1.1 (Method 1) and determined using ASCE 7-16 Figures 22-18 and 22-19, respectively. The values for C_{Rs} and C_{R1} are 0.938 and 0.915, respectively. Risk coefficients for various periods are shown in Table C-2. The resulting probabilistic MCE_R values are shown in Table C-2 and presented graphically in Graph C-2.

TABLE C-2 – Probabilistic MCE_R Values

Period	PSHA MCE_R from UHT Spectral Accel.	Risk Coefficient, Cr	Shahi and Baker RotD100/RotD50 scale factors	PSHA MCE_R Rotated and Risk Targeted
0.01	0.7479	0.938	1.19	0.835
0.1	1.3088	0.938	1.19	1.461
0.2	1.7197	0.938	1.21	1.952
0.3	1.9154	0.935	1.22	2.185
0.5	1.8195	0.929	1.23	2.080
0.75	1.4846	0.922	1.24	1.698
1	1.2176	0.915	1.24	1.381
2	0.6757	0.915	1.24	0.767
3	0.4549	0.915	1.25	0.520
4	0.3324	0.915	1.26	0.383
5	0.2583	0.915	1.26	0.298

GRAPH C-2 – Probabilistic MCER



DETERMINISTIC SEISMIC HAZARD ASSESSMENT

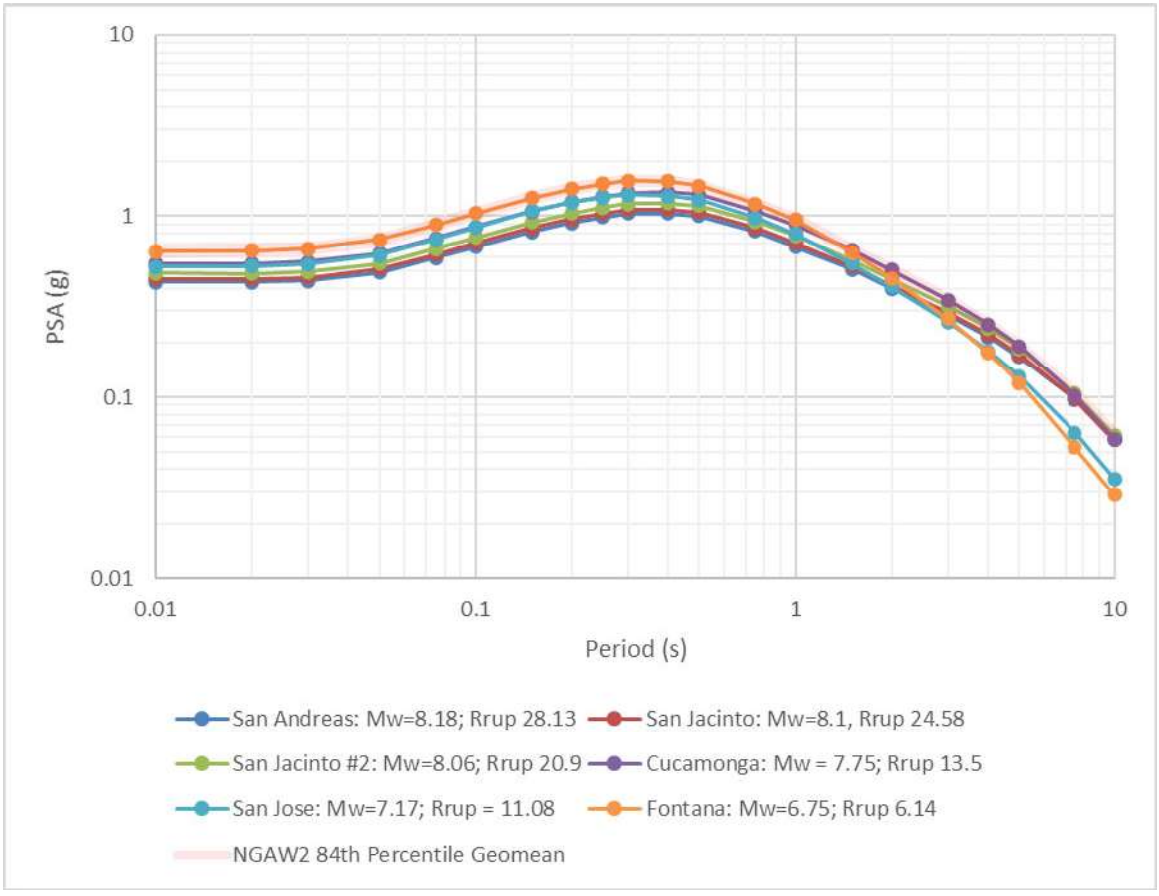
We conducted a DSHA as outlined in ASCE 7-16 Section 21.2.2, and ASCE 7-16 Supplement No. 1. ASCE 7-16 Section 21.2.2 defines the Deterministic MCER as "*the deterministic spectral response acceleration at each period shall be calculated as an 84-th-percentile 5% damped spectral response acceleration in the direction of maximum horizontal response computed at that period. The largest such acceleration calculated for the characteristic earthquakes on all known active faults within the region shall be used.*" The deterministic design event was determined using the results of the deaggregation using the UHT and the BSSC2014 Scenario Catalog. The controlling scenarios are summarized in Table C-3 below. The pertinent parameters used to develop the deterministic MCE spectrum with the NGA-West 2 GMPEs are: Moment Magnitude (Mw); Rrup, Rjb and Rx; V_{S30} = 293.5 m/s; default parameters were utilized for the remaining inputs. The median-plus-one-standard deviation estimates from the NGA-West2 GMPEs for each of the scenarios in Table C-3 are presented in Graph C-3. A printout of the NGA-West2 spreadsheet with all input parameters is provided in the appendices.

Supplement No. 1 of ASCE 7-16 has modified additional criteria for establishing the deterministic MCE_R spectrum. When the largest spectral response acceleration of the resulting deterministic ground motion response spectrum is less than $1.5F_a$, then the largest 84th percentile rotated response spectrum shall be scaled by a single factor such that the maximum response spectral acceleration equals $1.5F_a$. For Site Classes A, B, C, and D, F_a is determined using Table 11.4.1 with the value of S_s taken as 1.5; for Site Class E, F_a shall be taken as 1.0.

TABLE C-3 - Seismic Scenarios

Fault Name	Scenario	Distance, R (km)	Moment Magnitude, Mw	Reference	Controls
San Andreas	PK+CH+CC+BB+NM+SM+NSB+SSB+BG+CO	28.13	8.18	BSSC2014	--
San Jacinto	San Bernardino	24.58	8.1	UCERF3	--
San Jacinto	Lytle Creek	20.93	8.06	UCERF3	T > 5
Cucamonga		13.48	7.75	UCERF3	1.5 ≤ T ≤ 5
San Jose		11.08	7.17	UCERF3	--
Fontana		6.14	6.75	BSSC2014	T < 1.5

GRAPH C-3 – Deterministic NGA-W2 GMPE

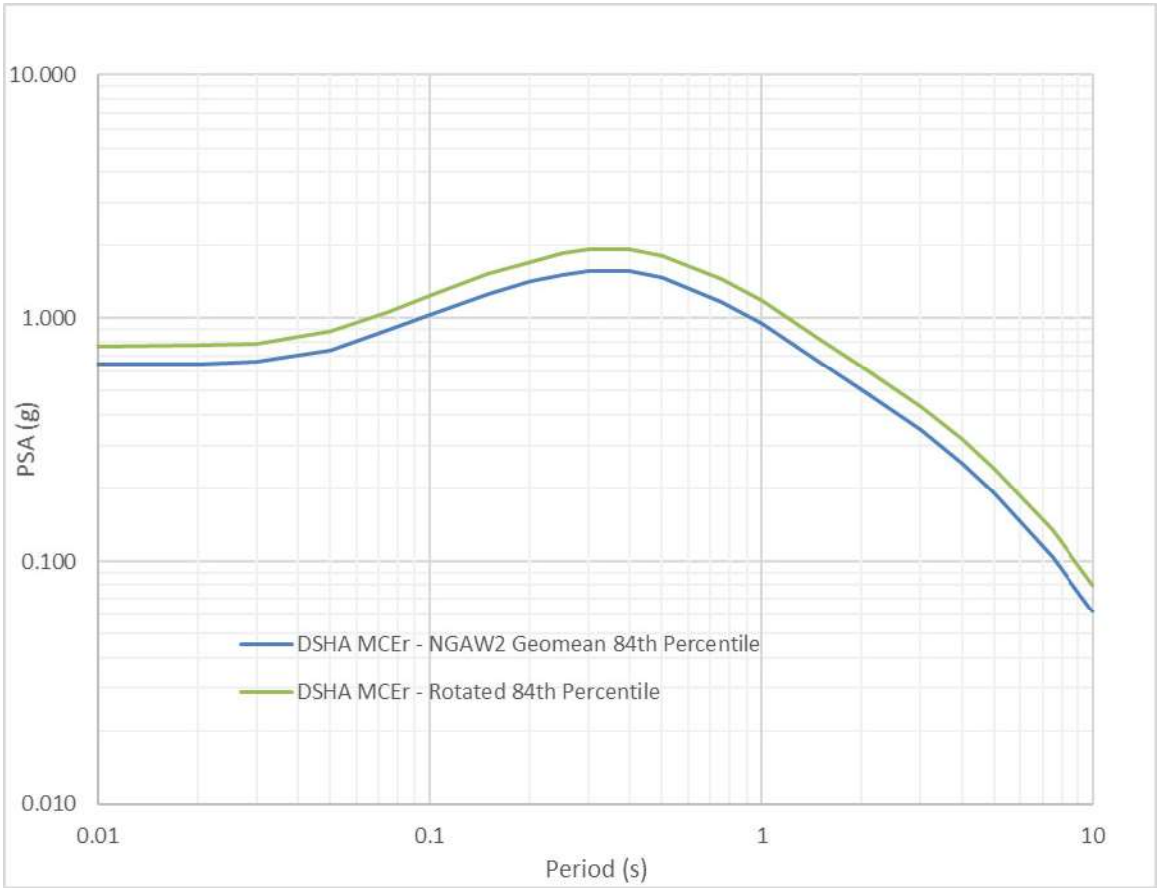


The largest maximum spectral acceleration from the 84th percentile rotated response spectrum is greater than $1.5F_a$, so no scale factor is required. The resulting deterministic MCE_R values are shown in Table C-4 and presented graphically in Graph C-4.

TABLE C-4 – Deterministic MCE_R Values

Period	NGAW2 84th Percentile Geomean	Shahi and Baker RotD100/RotD50	DSHA MCE_R Rotated 84th Percentile
0.01	0.643	1.19	0.765
0.02	0.646	1.19	0.769
0.03	0.661	1.19	0.786
0.05	0.740	1.19	0.880
0.075	0.893	1.19	1.063
0.1	1.036	1.19	1.233
0.15	1.263	1.2	1.516
0.2	1.412	1.21	1.708
0.25	1.513	1.22	1.846
0.3	1.570	1.22	1.915
0.4	1.556	1.23	1.914
0.5	1.475	1.23	1.814
0.75	1.174	1.24	1.456
1	0.953	1.24	1.181
1.5	0.654	1.24	0.811
2	0.505	1.24	0.626
3	0.347	1.25	0.433
4	0.254	1.26	0.320
5	0.192	1.26	0.242
7.5	0.105	1.28	0.134
10	0.062	1.29	0.080

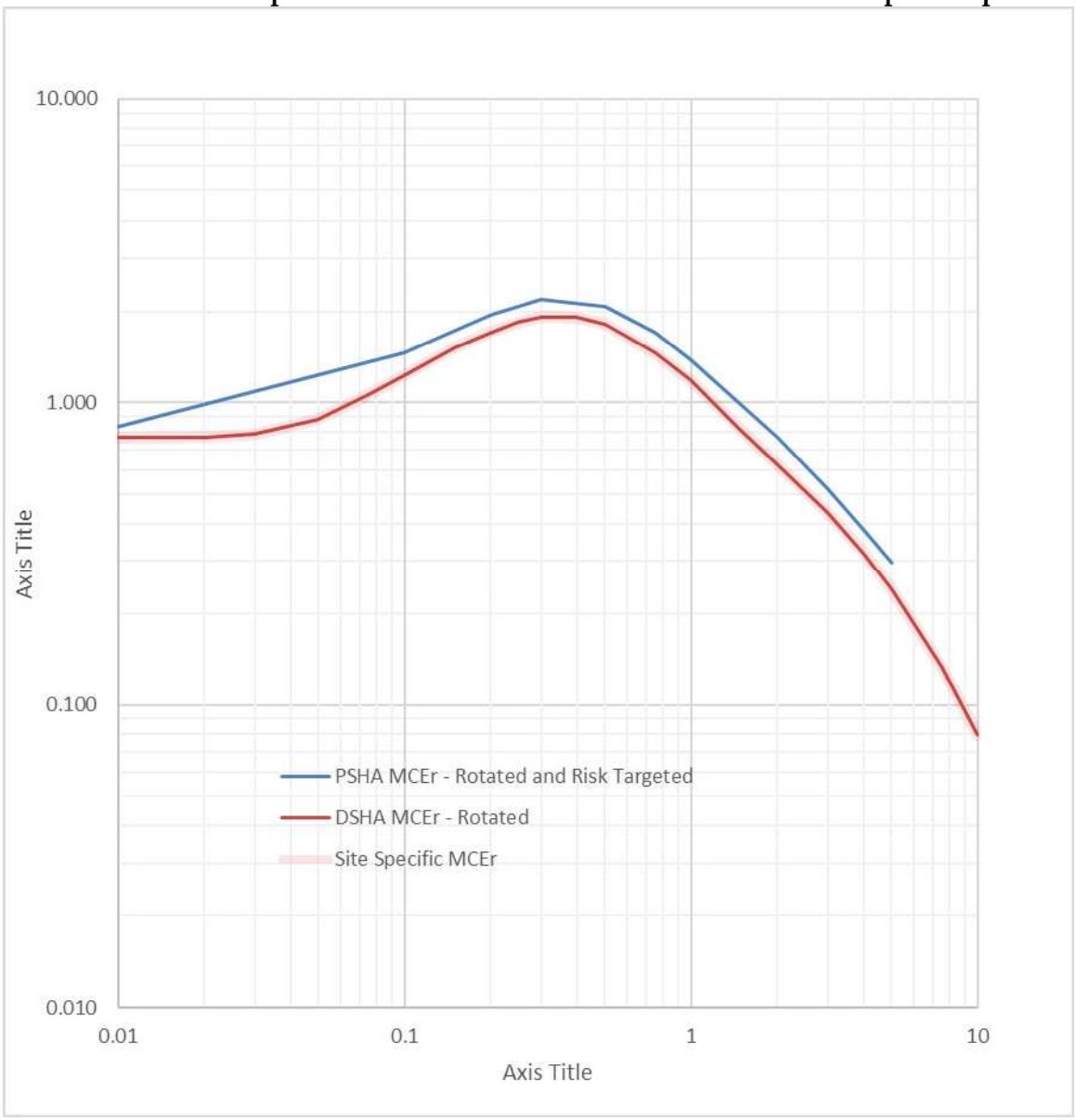
GRAPH C-4 – Deterministic MCE$_R$



SITE-SPECIFIC MCE$_R$

The site-specific MCE$_R$ is defined by ASCE 7-16 Section 21.2.3 as "*spectral response acceleration at any period, S_{aM}, shall be taken as the lesser of the spectral response accelerations from the probabilistic ground motions of Section 21.2.1 and the deterministic ground motions of Section 21.2.2.*" In this case, the DSHA is lower throughout, as shown in Graph C-5.

GRAPH C-5 – Site Specific Deterministic and Probabilistic MCER Response Spectra



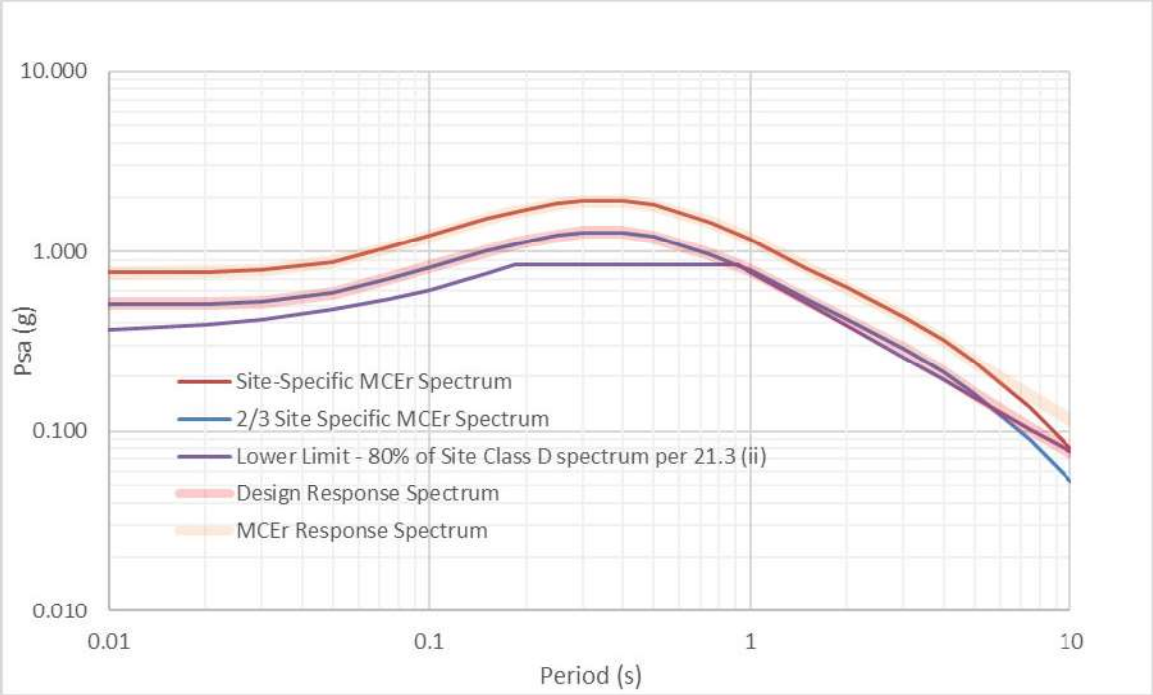
DESIGN RESPONSE SPECTRUM

The design response spectrum is defined in ASCE 7-16 Section 21.3 as two-thirds of the site-specific MCER, and for sites classified as Site Class D requiring site-specific analysis in accordance with 11.4.8, the design spectral response acceleration at any period shall not be less than 80% of S_a determined in accordance with Section 11.4.6 using the F_a and F_v values specified in 21.3 (ii). Table C-5 below provides the site-specific MCER at the ground surface and reduced by two-thirds. We also show the 80% Site Class D response spectrum in accordance with 21.3(ii). Graph C-6 presents the design response spectrum.

TABLE C-5 – Design Response Spectrum

Period	80% of General Design Spectrum from 21.3(ii)	2/3 DSHA MCEr	Design Response Spectrum	MCEr Response Spectrum
0.01	0.364	0.510	0.510	0.765
0.02	0.392	0.512	0.512	0.769
0.03	0.419	0.524	0.524	0.786
0.05	0.474	0.587	0.587	0.880
0.075	0.543	0.708	0.708	1.063
0.1	0.612	0.822	0.822	1.233
0.15	0.750	1.010	1.010	1.516
0.183	0.842	1.108	1.108	1.662
0.2	0.842	1.139	1.139	1.708
0.25	0.842	1.230	1.230	1.846
0.3	0.842	1.277	1.277	1.915
0.4	0.842	1.276	1.276	1.914
0.5	0.842	1.209	1.209	1.814
0.75	0.842	0.971	0.971	1.456
0.916	0.842	0.829	0.842	1.262
1	0.771	0.788	0.788	1.181
1.5	0.514	0.541	0.541	0.811
2	0.385	0.417	0.417	0.626
3	0.257	0.289	0.289	0.433
4	0.193	0.213	0.213	0.320
5	0.154	0.161	0.161	0.242
7.5	0.103	0.089	0.103	0.154
10	0.077	0.053	0.077	0.116

GRAPH C-6 – Design Response Spectra



DESIGN ACCELERATION PARAMETERS

Design acceleration parameters (S_{DS} and S_{D1}) were computed in accordance with ASCE 7-16 Section 21.4. S_{DS} is defined as 90% of the maximum spectral acceleration, S_a, obtained from the site-specific spectrum, at any period within the range from 0.2 to 5 seconds, inclusive. S_{D1} shall be taken as the maximum value of the product, T^*S_a, for periods from 1 to 2 seconds, for sites with V_{S30} >1,200 ft/s, and for periods from 1 to 5 seconds for sites with $V_{S30} \leq$ 1,200 ft/s. The parameters S_{MS} and S_{M1} shall be taken as 1.5 times S_{DS} and S_{D1}, respectively. These values shall not be less than 80% of the values presented in Table C-1 above. Table C-6 below contains the Design Acceleration Parameters:

TABLE 6 – Design Acceleration Values

Parameter	Value
S_{DS}	1.149
S_{D1}	0.867
S_{MS}	1.724
S_{M1}	1.301

MAXIMUM CONSIDERED EARTHQUAKE GEOMETRIC MEAN (MCE_G) PGA

The site-specific PGA_M shall be taken as the lesser of the probabilistic and deterministic geometric mean PGAs of Section 21.5.1 and 21.5.2, and shall not be less than 80% of the PGA_M determined from Eq. 11.8-1. The probabilistic PGA is 0.748g, the deterministic PGA is 0.639g, and 80% of the PGA_M from Section 11.8-1 is 0.580g. Thus, the site-specific PGA_M is 0.639g.

OSHPD

Latitude, Longitude: 34.050583, -117.604975



Date	4/27/2022, 8:10:31 PM
Design Code Reference Document	ASCE7-16
Risk Category	II
Site Class	D - Stiff Soil

Type	Value	Description
S_S	1.578	MCE_R ground motion. (for 0.2 second period)
S_1	0.578	MCE_R ground motion. (for 1.0s period)
S_{MS}	1.578	Site-modified spectral acceleration value
S_{M1}	null -See Section 11.4.8	Site-modified spectral acceleration value
S_{DS}	1.052	Numeric seismic design value at 0.2 second SA
S_{D1}	null -See Section 11.4.8	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	null -See Section 11.4.8	Seismic design category
F_a	1	Site amplification factor at 0.2 second
F_v	null -See Section 11.4.8	Site amplification factor at 1.0 second
PGA	0.659	MCE_G peak ground acceleration
F_{PGA}	1.1	Site amplification factor at PGA
PGA_M	0.725	Site modified peak ground acceleration
T_L	12	Long-period transition period in seconds
SsRT	1.578	Probabilistic risk-targeted ground motion. (0.2 second)
SsUH	1.683	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
SsD	1.657	Factored deterministic acceleration value. (0.2 second)
S1RT	0.578	Probabilistic risk-targeted ground motion. (1.0 second)
S1UH	0.632	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S1D	0.6	Factored deterministic acceleration value. (1.0 second)
PGAd	0.671	Factored deterministic acceleration value. (Peak Ground Acceleration)
C_{RS}	0.938	Mapped value of the risk coefficient at short periods
C_{R1}	0.915	Mapped value of the risk coefficient at a period of 1 s

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Unified Hazard Tool

Please do not use this tool to obtain ground motion parameter values for the design code reference documents covered by the U.S. Seismic Design Maps web tools (e.g., the International Building Code and the ASCE 7 or 41 Standard). The values returned by the two applications are not identical.

Input

Edition

Dynamic: Conterminous U.S. 2014 (u…

Spectral Period

1.00 Second Spectral Acceleration

Latitude

Decimal degrees

34.050583

Time Horizon

Return period in years

2475

Longitude

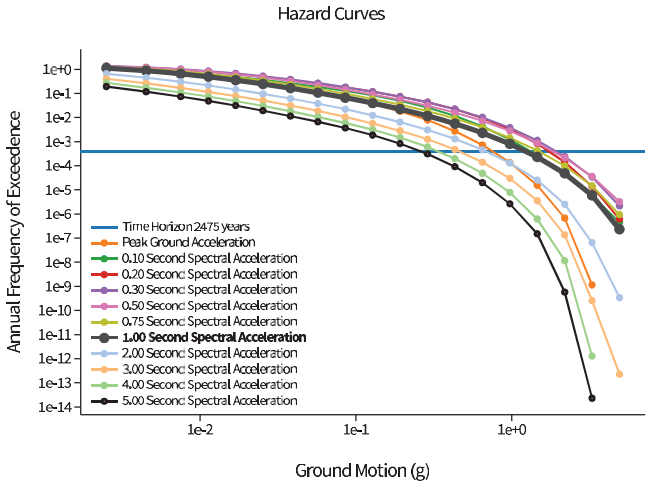
Decimal degrees, negative values for western longitudes

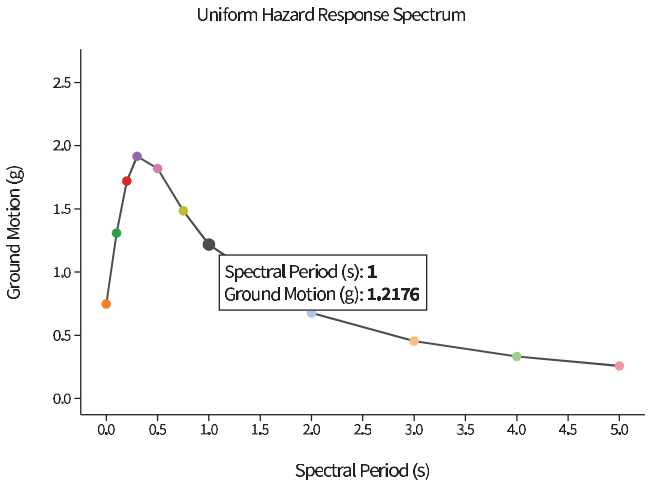
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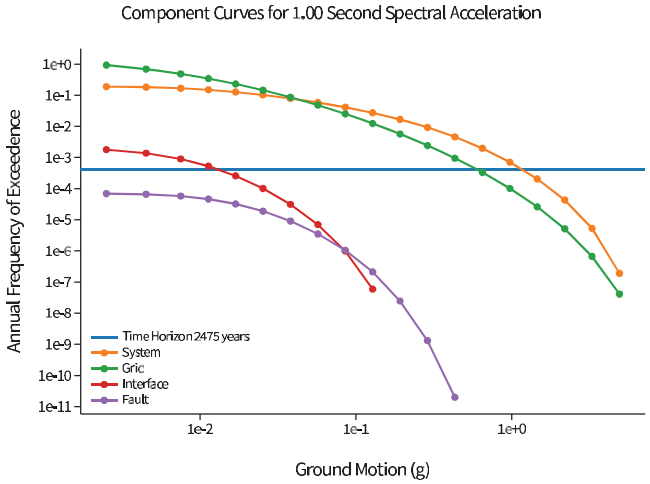
Site Class

259 m/s (Site class D)

Hazard Curve





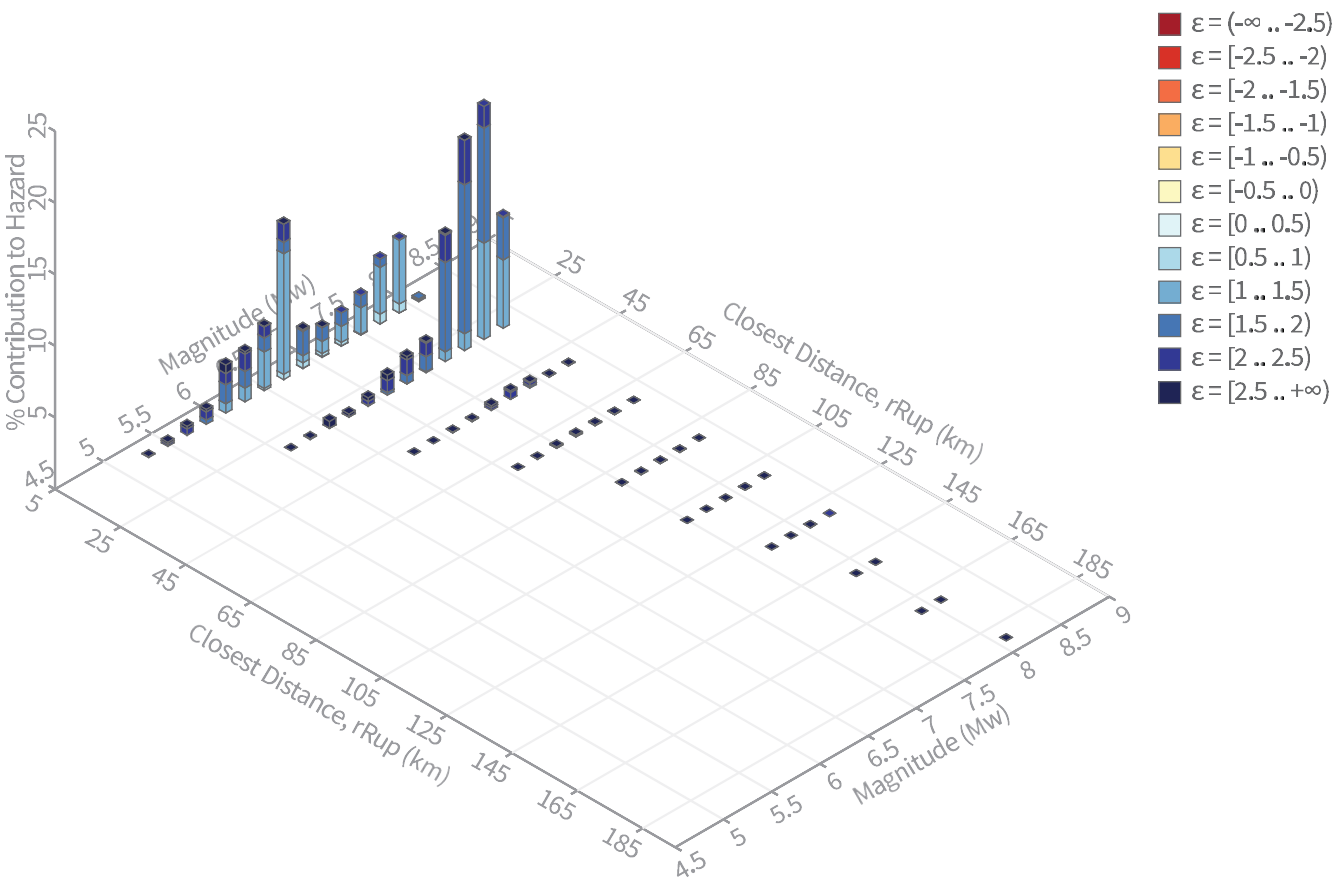


View Raw Data

Deaggregation

Component

Total



Summary statistics for, Deaggregation: Total

Deaggregation targets

Return period: 2475 yrs
Exceedance rate: 0.0004040404 yr^{-1}
1.0 s SA ground motion: 1.2175557 g

Recovered targets

Return period: 2844.826 yrs
Exceedance rate: 0.00035151534 yr^{-1}

Totals

Binned: 100 %
Residual: 0 %
Trace: 0.11 %

Mean (over all sources)

m: 7.46
r: 19.63 km
ε_0: 1.64 σ

Mode (largest m-r bin)

m: 8.1
r: 25.76 km
ε_0: 1.61 σ
Contribution: 16.26 %

Mode (largest m-r-ε_0 bin)

m: 7.91
r: 26.91 km
ε_0: 1.71 σ
Contribution: 10.39 %

Discretization

r: min = 0.0, max = 1000.0, Δ = 20.0 km
m: min = 4.4, max = 9.4, Δ = 0.2
ε: min = -3.0, max = 3.0, Δ = 0.5 σ

Epsilon keys

ε0: [-∞ .. -2.5)
ε1: [-2.5 .. -2.0)
ε2: [-2.0 .. -1.5)
ε3: [-1.5 .. -1.0)
ε4: [-1.0 .. -0.5)
ε5: [-0.5 .. 0.0)
ε6: [0.0 .. 0.5)
ε7: [0.5 .. 1.0)
ε8: [1.0 .. 1.5)
ε9: [1.5 .. 2.0)
ε10: [2.0 .. 2.5)
ε11: [2.5 .. +∞]

Deaggregation Contributors

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San Andreas (San Bernardino N) [2]		28.13	7.96	1.79	117.421°W	34.253°N	36.94	10.34
San Jacinto (San Bernardino) [0]		24.58	8.09	1.59	117.445°W	34.227°N	36.85	7.55
Fontana (Seismicity) [2]		6.14	6.61	1.21	117.558°W	34.015°N	132.50	4.88
Cucamonga [3]		13.48	7.73	1.25	117.671°W	34.158°N	333.25	4.21
Whittier alt 1 [1]		20.65	7.57	1.72	117.683°W	33.868°N	199.46	2.87
San Jacinto (Lytle Creek connector) [1]		20.93	8.06	1.49	117.438°W	34.178°N	47.29	2.19
San Jose [0]		11.08	7.09	1.45	117.692°W	34.118°N	312.94	1.76
Chino alt 1 [0]		13.38	6.69	2.06	117.738°W	34.004°N	247.07	1.50
Cucamonga [2]		13.48	7.50	1.43	117.671°W	34.158°N	333.25	1.03
UC33brAvg_FM32	System							43.49
San Andreas (San Bernardino N) [2]		28.13	7.96	1.79	117.421°W	34.253°N	36.94	10.55
San Jacinto (San Bernardino) [0]		24.58	8.09	1.59	117.445°W	34.227°N	36.85	7.40
Cucamonga [3]		13.48	7.75	1.24	117.671°W	34.158°N	333.25	4.29
Fontana (Seismicity) [2]		6.14	6.61	1.21	117.558°W	34.015°N	132.50	3.99
Whittier alt 2 [1]		21.22	7.61	1.72	117.681°W	33.867°N	198.96	2.85
San Jacinto (Lytle Creek connector) [1]		20.93	8.05	1.49	117.438°W	34.178°N	47.29	2.12
Chino alt 2 [0]		13.19	6.93	1.84	117.734°W	34.001°N	245.12	2.00
San Jose [0]		11.08	7.09	1.46	117.692°W	34.118°N	312.94	1.69
Cucamonga [2]		13.48	7.50	1.44	117.671°W	34.158°N	333.25	1.01
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PointSourceFinite: -117.605, 34.100		6.29	6.29	1.50	117.605°W	34.100°N	0.00	1.86

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Unified Hazard Tool

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Input

Edition

Dynamic: Conterminous U.S. 2014 (u…

Spectral Period

2.00 Second Spectral Acceleration

Latitude

Decimal degrees

34.050583

Time Horizon

Return period in years

2475

Longitude

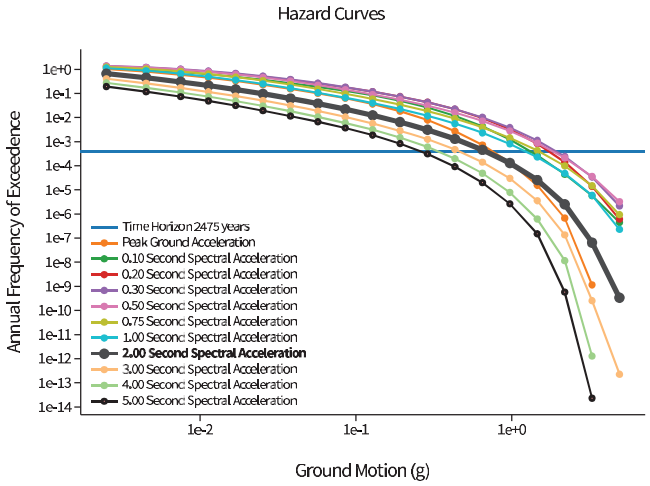
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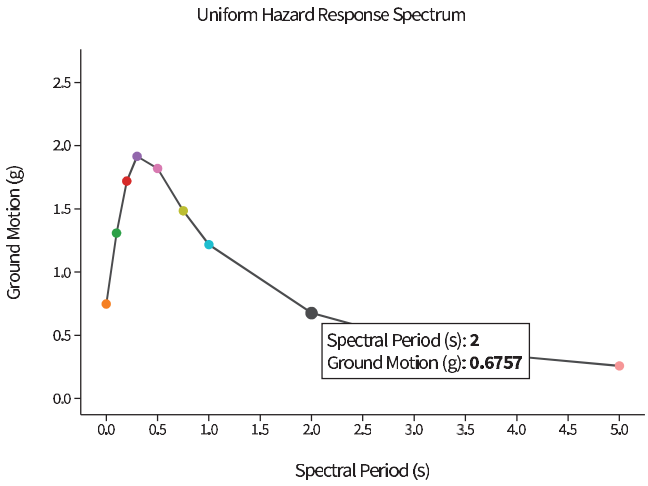
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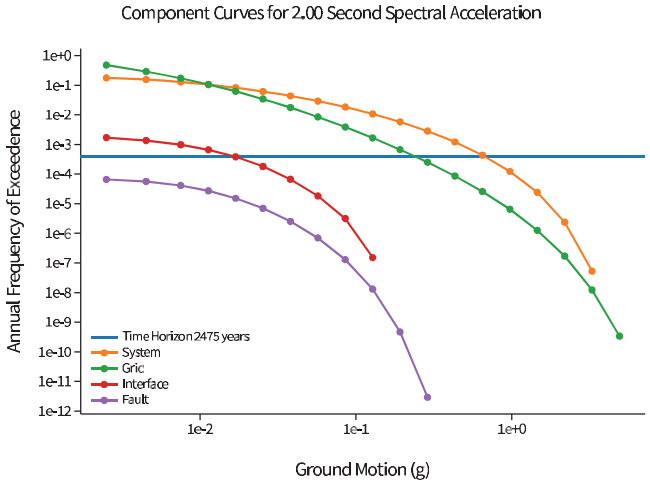
Site Class

259 m/s (Site class D)

Hazard Curve





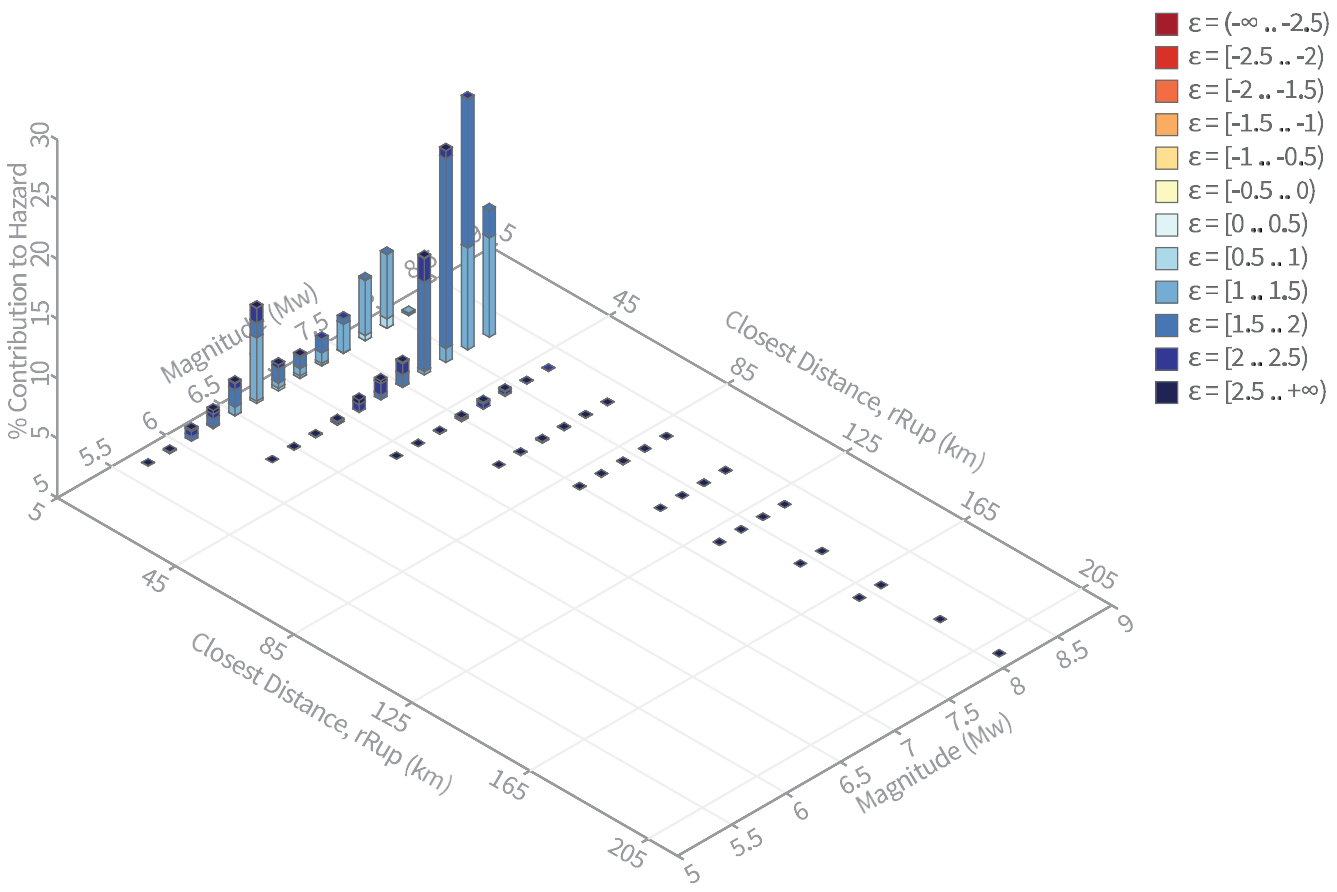


View Raw Data

Deaggregation

Component

Total



Summary statistics for, Deaggregation: Total

Deaggregation targets

Return period: 2475 yrs
Exceedance rate: 0.0004040404 yr^{-1}
2.0 s SA ground motion: 0.67571896 g

Recovered targets

Return period: 2838.0487 yrs
Exceedance rate: 0.00035235477 yr^{-1}

Totals

Binned: 100 %
Residual: 0 %
Trace: 0.11 %

Mean (over all sources)

m: 7.68
r: 21.28 km
ε_0: 1.59 σ

Mode (largest m-r bin)

m: 8.1
r: 25.73 km
ε_0: 1.54 σ
Contribution: 21.02 %

Mode (largest m-r-ε_0 bin)

m: 7.91
r: 26.92 km
ε_0: 1.75 σ
Contribution: 15.89 %

Discretization

r: min = 0.0, max = 1000.0, Δ = 20.0 km
m: min = 4.4, max = 9.4, Δ = 0.2
ε: min = -3.0, max = 3.0, Δ = 0.5 σ

Epsilon keys

ε0: [-∞ .. -2.5)
ε1: [-2.5 .. -2.0)
ε2: [-2.0 .. -1.5)
ε3: [-1.5 .. -1.0)
ε4: [-1.0 .. -0.5)
ε5: [-0.5 .. 0.0)
ε6: [0.0 .. 0.5)
ε7: [0.5 .. 1.0)
ε8: [1.0 .. 1.5)
ε9: [1.5 .. 2.0)
ε10: [2.0 .. 2.5)
ε11: [2.5 .. +∞]

Deaggregation Contributors

Source Set ↳ Source	Type	r	m	ε_0	lon	lat	az	%
UC33brAvg_FM31	System							47.30
San Andreas (San Bernardino N) [2]		28.13	7.99	1.73	117.421°W	34.253°N	36.94	12.55
San Jacinto (San Bernardino) [0]		24.58	8.10	1.50	117.445°W	34.227°N	36.85	9.78
Cucamonga [3]		13.48	7.75	1.18	117.671°W	34.158°N	333.25	4.80
Fontana (Seismicity) [2]		6.14	6.62	1.37	117.558°W	34.015°N	132.50	3.59
Whittier alt 1 [1]		20.65	7.62	1.67	117.683°W	33.868°N	199.46	2.99
San Jacinto (Lytle Creek connector) [1]		20.93	8.06	1.38	117.438°W	34.178°N	47.29	2.83
San Jose [0]		11.08	7.17	1.44	117.692°W	34.118°N	312.94	1.53
Cucamonga [2]		13.48	7.54	1.38	117.671°W	34.158°N	333.25	1.09
UC33brAvg_FM32	System							47.04
San Andreas (San Bernardino N) [2]		28.13	7.99	1.73	117.421°W	34.253°N	36.94	12.81
San Jacinto (San Bernardino) [0]		24.58	8.10	1.51	117.445°W	34.227°N	36.85	9.57
Cucamonga [3]		13.48	7.77	1.17	117.671°W	34.158°N	333.25	4.92
Whittier alt 2 [1]		21.22	7.65	1.67	117.681°W	33.867°N	198.96	3.03
Fontana (Seismicity) [2]		6.14	6.61	1.37	117.558°W	34.015°N	132.50	2.93
San Jacinto (Lytle Creek connector) [1]		20.93	8.06	1.39	117.438°W	34.178°N	47.29	2.74
Chino alt 2 [0]		13.19	7.09	1.78	117.734°W	34.001°N	245.12	1.52
San Jose [0]		11.08	7.17	1.45	117.692°W	34.118°N	312.94	1.47
Cucamonga [2]		13.48	7.54	1.39	117.671°W	34.158°N	333.25	1.07
UC33brAvg_FM31 (opt)	Grid							2.95
UC33brAvg_FM32 (opt)	Grid							2.71

PACIFIC EARTHQUAKE ENGINEERING RESEARCH CENTER

WEIGHTED AVERAGE of 2014 NGA WEST-2 GMPEs

Last updated: 04 14 15

by Emel Seyhan, PhD, PEER & UCLA -- email: emel.seyhan@gmail.com, peer_center@berkeley.edu

This excel file will be updated as necessary on the PEER website to fix any typos or other errors. Please check the website frequently for new versions at: http://peer.berkeley.edu/ngawest2/databases/

Legend	Pre-defined option	Main input variable	Calculated variable	Input var. flag	Internal variable

GMPE averaging: Geometric — *Weighted average of the natural logarithm of the spectral values*

GMPEs	ASK14	BSSA14	CB14	CY14	I14
Weight	0.25	0.25	0.25	0.25	0

# of std. dev.: 1

Damping ratio (%): 5 — *Modification factors are calculated in Sheet DSF*

ASK14 Abrahamson & Silva & Kamai 2014 NGA West-2 Model
BSSA14 Boore & Stewart & Seyhan & Atkinson 2014 NGA West-2 Model
CB14 Campbell & Bozorgnia 2014 NGA West-2 Model
CY14 Chiou & Youngs 2014 NGA West-2 Model
I14 Idriss 2014 NGA West-2 Model

Input variables | **Errors and warnings**

M_w	8.06
R_{RUP} (km)	20.93
R_{JB} (km)	20.93
R_X (km)	20.93
$Ry0$ (km)	999 — *If unknown use 999*
V_{S30} (m/sec)	293.5
U (BSSA13)	0 — *1: Unspecified fault mech.*
F_{RV}	0 — *1: reverse fault*
F_{NM}	0 — *1: normal fault*
F_{HW}	0 — *1: hanging wall side*
Dip (deg)	90
Z_{TOR} (km)	999 — *If unknown use 999*
Z_{HYP} (km)	999 — *If unknown use 999*
$Z_{1.0}$ (km)	999 — *If unknown use 999*
$Z_{2.5}$ (km)	999 — *If unknown use 999*
W (km)	999 — *If unknown use 999*
Vs30flag	measured — *Choose options for V_{s30} from the list*
F_{AS}	no — *Aftershock effect is not applicable.*
Region	California — *Choose region from the list*

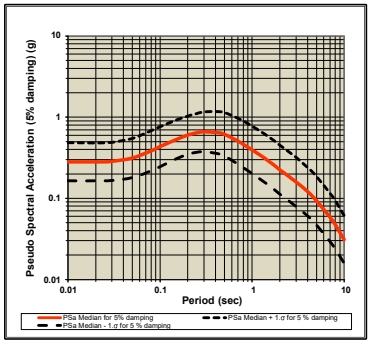
Calculated Variables/Flags

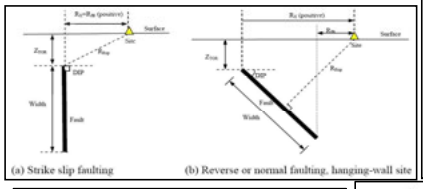
ΔDPP	0 — *Always 0 for median calcs.*
PGA , (g)	0.226
Z_{BOT} (km) (CB14)	15 — *Enter for default W calcs*
SS	1 — *auto calculated*
$V_{s30Flag}$	1 — *measured*
F_{AS}	0 — *Aftershock effect is not applicable.*
Region	0 — *California*
Option for Sa value	1 — *Weighted average of the natural logarithm of the spectral values*

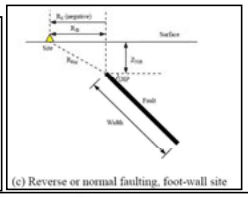
RotD50 Horizontal Component of PGA, PGV and *IMs*

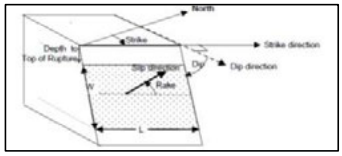
GMP	T (s)	Baseline: 5% Damping: PSa Median for 5% damping	PSa Median + 1.σ for 5% damping	PSa Median - 1.σ for 5% damping	S_d Median for 5% damping	User defined: 5% Damping: PSa Median for 5% damping	PSa Median + 1.σ for 5 % damping	PSa Median - 1.σ for 5 % damping	Sd Median for 5 % damping
	0.01	0.2833285	0.4851066	0.165479	0.000703	0.283328	0.4851066	0.165479	0.000703
	0.02	0.2821474	0.4838222	0.164538	0.002802	0.282147	0.4838222	0.164538	0.002802
	0.03	0.2864756	0.4938291	0.166188	0.0064	0.286189	0.4933353	0.166021	0.006394
	0.05	0.315272	0.5501652	0.180666	0.019566	0.315272	0.5501652	0.180666	0.019566
	0.075	0.3743691	0.6603732	0.212232	0.052274	0.375492	0.6623544	0.212869	0.052431
	0.1	0.4333125	0.7634532	0.245935	0.107564	0.435046	0.7665071	0.246919	0.107994
	0.15	0.5323882	0.9228115	0.307145	0.297356	0.533985	0.9255799	0.308067	0.298248
	0.2	0.6011626	1.0358976	0.348873	0.596923	0.602966	1.0390053	0.349919	0.598714
	0.25	0.6426751	1.1138511	0.370814	0.997098	0.64396	1.1160788	0.371555	0.999092
	0.3	0.6615684	1.1663009	0.375266	1.478031	0.662892	1.1686335	0.376016	1.480987
	0.4	0.6499024	1.1761892	0.359103	2.581276	0.651202	1.1785416	0.359821	2.586439
	0.5	0.6163346	1.1405614	0.333054	3.824925	0.616951	1.141702	0.333387	3.82875
	0.75	0.4849809	0.9338658	0.251863	6.771946	0.484981	0.9338658	0.251863	6.771946
	1	0.3953885	0.7764017	0.201355	9.815002	0.395389	0.7764017	0.201355	9.815002
	1.5	0.2908823	0.5792255	0.146079	16.24674	0.291173	0.5798047	0.146225	16.26298
	2	0.2260518	0.4527272	0.11287	22.44576	0.225826	0.4522745	0.112757	22.42331
	3	0.1592467	0.3196624	0.079332	35.57783	0.159247	0.3196624	0.079332	35.57783
	4	0.1211809	0.2408684	0.060966	48.1305	0.12106	0.2406275	0.060905	48.08237
	5	0.0933096	0.1858565	0.046846	57.90724	0.093123	0.1854848	0.046753	57.79143
	7.5	0.0526709	0.1046259	0.026516	73.54607	0.052408	0.1041028	0.026383	73.17834
	10	0.0313259	0.0616432	0.015919	77.76235	0.031169	0.061335	0.01584	77.37354
PGA (g)	0	0.2819284	0.4823391	0.164788	0.0007	0.283328	0.4851066	0.165479	0.000703
PGV (cm/s)	-1	43.750617	78.583093	24.35787	0.108605	NA	NA	NA	NA

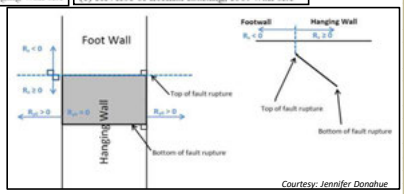
PSa (g), S_d (cm)











Courtesy: Jennifer Donahue

Definition of Parameters

Damping ratio = Viscous damping ratio (%) See Sanaz et al. (2012) PEER Report
PSA = Pseudo-absolute acceleration response spectrum (g)
PGA = Peak ground acceleration (g)
PGV = Peak ground velocity (cm/s)
S_d = Relative displacement response spectrum (cm)
M_w = Moment magnitude
R_{RUP} = Closest distance to coseismic rupture (km), used in ASK13, CB13 and CY13. See Figures a, b and c for illustation
R_{JB} = Closest distance to surface projection of coseismic rupture (km). See Figures a, b and c for illustation
R_X = Horizontal distance from top of rupture measured perpendicular to fault strike (km). See Figures a, b and c for illustation
R_{Y0} = The horizontal distance off the end of the rupture measured parallel to strike (km)
V_{S30} = The average shear-wave velocity (m/s) over a subsurface depth of 30 m
U = Unspecified-mechanism factor: 1 for unspecified; 0 otherwise
F_{RV} = Reverse-faulting factor: 0 for strike slip, normal, normal-oblique; 1 for reverse, reverse-oblique and thrust
F_{NM} = Normal-faulting factor: 0 for strike slip, reverse, reverse-oblique, thrust and normal-oblique; 1 for normal
F_{HW} = Hanging-wall factor: 1 for site on down-dip side of top of rupture; 0 otherwise
Dip = Average dip of rupture plane (degrees)
Z_{TOR} = Depth to top of coseismic rupture (km)
Z_{HYP} = Hypocentral depth from the earthquake
$Z_{1.0}$ = Depth to Vs=1 km/sec
$Z_{2.5}$ = Depth to Vs=2.5 km/sec
W = Fault rupture width (km)
$V_{s30flag}$ = 1 for measured, 0 for inferred Vs30
F_{AS} = 0 for mainshock; 1 for aftershock
Region = Specific regions considered in the models, Click on Region to see codes
ΔDPP = Directivity term, direct point parameter; uses 0 for median predictions
PGA$_r$ (g) = Peak ground acceleration on rock (g), this specific cell is updated in the cell for BSSA14 and CB14, for others it is taken account for in the macros
Z_{BOT} *(km)* = The depth to the bottom of the seismogenic crust
Z_{BOR} *(km)* = The depth to the bottom of the rupture plane
SS = 1 for strike slip, automatically updated in the cell

Input variables with defaults (If entered 999 as input):

Red colored value: The value is used in the code when input is unknown

DEFAULTs	USER defined	ASK14	BSSA14	CB14	CY14	I14
W (km)	999.00			15.000		
$Z_{1.0}$ (km)	999.000	0.457			0.464	
$\delta Z_{1.0}$ (km)	0.000		0.000			
$Z_{2.5}$ (V_{S30}=1100)(km)	999.000			0.398		
$Z_{2.5}$ (V_{S30})(km)	999.000			1.802		
Z_{TOR} (km)	999.00			10.227		
Z_{HYP} (km)	999.00			0.000	0.000	
Z_{BOR} (km)	-			15.000		

ACKNOWLEDGEMENTS

Nick Gregor, Bechtel
Silvia Mazzoni, Consultant

All NGA West-2 participants are acknowledged for their constructive comments and feedback.

PACIFIC EARTHQUAKE ENGINEERING RESEARCH CENTER

WEIGHTED AVERAGE of 2014 NGA WEST-2 GMPEs

Last updated: 04 14 15

by Emel Seyhan, PhD, PEER & UCLA -- email: emel.seyhan@gmail.com, peer_center@berkeley.edu

This excel file will be updated as necessary on the PEER website to fix any typos or other errors. Please check the website frequently for new versions at: http://peer.berkeley.edu/ngawest2/databases/

Legend	Pre-defined option	Main input variable	Calculated variable	Input var. flag	Internal variable

GMPE averaging: Geometric — *Weighted average of the natural logarithm of the spectral values*

GMPEs	ASK14	BSSA14	CB14	CY14	I14
Weight	0.25	0.25	0.25	0.25	0

# of std. dev.: 1

Damping ratio (%): 5 — *Modification factors are calculated in Sheet DSF*

ASK14 Abrahamson & Silva & Kamai 2014 NGA West-2 Model
BSSA14 Boore & Stewart & Seyhan & Atkinson 2014 NGA West-2 Model
CB14 Campbell & Bozorgnia 2014 NGA West-2 Model
CY14 Chiou & Youngs 2014 NGA West-2 Model
I14 Idriss 2014 NGA West-2 Model

RotD50 Horizontal Component of PGA, PGV and *IMs*

Input variables | **Errors and warnings**

M_w: 7.75

R_{RUP} (km): 13.48

R_{JB} (km): 13.48

R_X (km): 13.48

$Ry0$ (km): 999 — *If unknown use 999*

V_{S30} (m/sec): 293.5

U (BSSA13): 0 — *1: Unspecified fault mech.*

F_{RV}: 0 — *1: reverse fault*

F_{NM}: 0 — *1: normal fault*

F_{HW}: 0 — *1: hanging wall side*

Dip (deg): 90

Z_{TOR} (km): 999 — *If unknown use 999*

Z_{HYP} (km): 999 — *If unknown use 999*

$Z_{1.0}$ (km): 999 — *If unknown use 999*

$Z_{2.5}$ (km): 999 — *If unknown use 999*

W (km): 999 — *If unknown use 999*

Vs30Flag: measured — *Choose options for V_{S30} from the list*

F_{AS}: no — *Aftershock effect is not applicable.*

Region: California — *Choose region from the list*

Calculated Variables/Flags

ΔDPP: 0 — *Always 0 for median calcs.*

PGA$_r$ (g): 0.259

Z_{BOT} (km) (CB14): 15 — *Enter for default W calcs*

SS: 1 — *auto calculated*

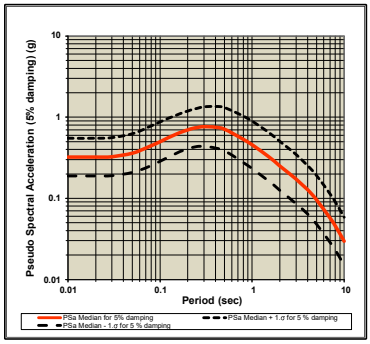
$V_{s30Flag}$: 1 — *measured*

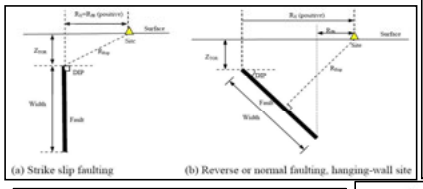
F_{AS}: 0 — *Aftershock effect is not applicable.*

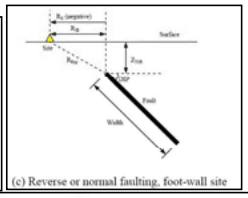
Region: 0 — *California*

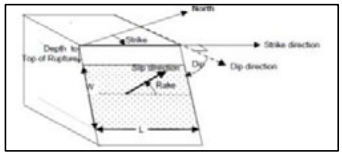
Option for Sa value: 1 — *Weighted average of the natural logarithm of the spectral values*

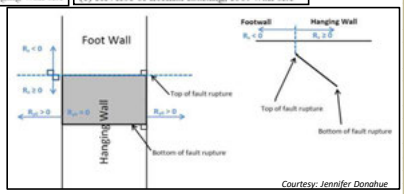
GMP	T (s)	Baseline: 5% Damping: PSa Median for 5% damping	PSa Median + 1.σ for 5% damping	PSa Median - 1.σ for 5% damping	S_d Median for 5% damping	User defined: 5% Damping: PSa Median for 5% damping	PSa Median + 1.σ for 5 % damping	PSa Median - 1.σ for 5 % damping	Sd Median for 5 % damping
PSa (g), S_d (cm)	0.01	0.3236477	0.551198	0.190037	0.000803	0.323648	0.551198	0.190037	0.000803
	0.02	0.3230239	0.5508955	0.189409	0.003207	0.323024	0.5508955	0.189409	0.003207
	0.03	0.3282293	0.5624769	0.191536	0.007333	0.327901	0.5619145	0.191344	0.007326
	0.05	0.361657	0.6270746	0.208581	0.022444	0.361657	0.6270746	0.208581	0.022444
	0.075	0.4307644	0.7548069	0.245835	0.060149	0.432057	0.7570714	0.246573	0.060329
	0.1	0.5001884	0.8750856	0.285902	0.124165	0.501689	0.8777108	0.286759	0.124538
	0.15	0.6193404	1.0653653	0.360048	0.345922	0.620579	1.067496	0.360768	0.346614
	0.2	0.699931	1.1970877	0.409246	0.694995	0.701331	1.1994819	0.410065	0.696385
	0.25	0.7466071	1.285178	0.433731	1.158346	0.7481	1.2877483	0.434599	1.160663
	0.3	0.7665928	1.3433792	0.437453	1.71267	0.768126	1.3460659	0.438327	1.716095
	0.4	0.7536151	1.3580922	0.418186	2.993201	0.755122	1.3608084	0.419023	2.999188
	0.5	0.7127063	1.3145644	0.386402	4.423	0.713419	1.3158789	0.386788	4.427423
	0.75	0.5589094	1.0740727	0.290837	7.804234	0.558909	1.0740727	0.290837	7.804234
	1	0.4569073	0.8960151	0.232992	11.34213	0.456907	0.8960151	0.232992	11.34213
	1.5	0.3286153	0.6539489	0.165132	18.35425	0.328944	0.6546029	0.165297	18.37261
	2	0.2520339	0.5046424	0.125873	25.02564	0.25153	0.5036332	0.125622	24.97559
	3	0.1726799	0.346616	0.086027	38.57898	0.17268	0.346616	0.086027	38.57898
	4	0.1277801	0.2539849	0.064286	50.7516	0.127652	0.2537309	0.064222	50.70084
	5	0.0962813	0.1917755	0.048338	59.75141	0.095992	0.1912002	0.048193	59.57216
	7.5	0.0511949	0.1016939	0.025773	71.48507	0.05099	0.1012872	0.025669	71.19913
	10	0.0298694	0.058777	0.015179	74.14675	0.02975	0.0585419	0.015118	73.85016
PGA (g)	0	0.3219997	0.5479736	0.189213	0.000799	0.323648	0.551198	0.190037	0.000803
PGV (cm/s)	-1	49.076686	88.039527	27.35727	0.121826	NA	NA	NA	NA











Courtesy: Jennifer Donahue

Definition of Parameters

Damping ratio = Viscous damping ratio (%) See Sanaz et al. (2012) PEER Report
PSA = Pseudo-absolute acceleration response spectrum (g)
PGA = Peak ground acceleration (g)
PGV = Peak ground velocity (cm/s)
S_d = Relative displacement response spectrum (cm)
M_w = Moment magnitude
R_{RUP} = Closest distance to coseismic rupture (km), used in ASK13, CB13 and CY13. See Figures a, b and c for illustation
R_{JB} = Closest distance to surface projection of coseismic rupture (km). See Figures a, b and c for illustation
R_X = Horizontal distance from top of rupture measured perpendicular to fault strike (km). See Figures a, b and c for illustation
R_{Y0} = The horizontal distance off the end of the rupture measured parallel to strike (km)
V_{S30} = The average shear-wave velocity (m/s) over a subsurface depth of 30 m
U = Unspecified-mechanism factor: 1 for unspecified; 0 otherwise
F_{RV} = Reverse-faulting factor: 0 for strike slip, normal, normal-oblique; 1 for reverse, reverse-oblique and thrust
F_{NM} = Normal-faulting factor: 0 for strike slip, reverse, reverse-oblique, thrust and normal-oblique; 1 for normal
F_{HW} = Hanging-wall factor: 1 for site on down-dip side of top of rupture; 0 otherwise
Dip = Average dip of rupture plane (degrees)
Z_{TOR} = Depth to top of coseismic rupture (km)
Z_{HYP} = Hypocentral depth from the earthquake
$Z_{1.0}$ = Depth to Vs=1 km/sec
$Z_{2.5}$ = Depth to Vs=2.5 km/sec
W = Fault rupture width (km)
$V_{s30flag}$ = 1 for measured, 0 for inferred Vs30
F_{AS} = 0 for mainshock; 1 for aftershock
Region = Specific regions considered in the models, Click on Region to see codes
ΔDPP = Directivity term, direct point parameter; uses 0 for median predictions
PGA$_r$ (g) = Peak ground acceleration on rock (g), this specific cell is updated in the cell for BSSA14 and CB14, for others it is taken account for in the macros
Z_{BOT} (km) = The depth to the bottom of the seismogenic crust
Z_{BOR} (km) = The depth to the bottom of the rupture plane
SS = 1 for strike slip, automatically updated in the cell

Input variables with defaults (If entered 999 as input):

Red colored value: The value is used in the code when input is unknown

DEFAULTs	USER defined	ASK14	BSSA14	CB14	CY14	I14
W (km)	999.00			15.000		
$Z_{1.0}$ (km)	999.000	0.457			0.464	
$\delta Z_{1.0}$ (km)	0.000		0.000			
$Z_{2.5}$ (V_{S30}=1100)(km)	999.000			0.398		
$Z_{2.5}$ (V_{S30})(km)	999.000			1.802		
Z_{TOR} (km)	999.00			10.227		
Z_{HYP} (km)	999.00			0.000	0.000	
Z_{BOR} (km)	-			15.000		

ACKNOWLEDGEMENTS

Nick Gregor, Bechtel
Silvia Mazzoni, Consultant

All NGA West-2 participants are acknowledged for their constructive comments and feedback.

PACIFIC EARTHQUAKE ENGINEERING RESEARCH CENTER

WEIGHTED AVERAGE of 2014 NGA WEST-2 GMPEs

Last updated: 04 14 15

by Emel Seyhan, PhD, PEER & UCLA -- email: emel.seyhan@gmail.com, peer_center@berkeley.edu

This excel file will be updated as necessary on the PEER website to fix any typos or other errors. Please check the website frequently for new versions at: http://peer.berkeley.edu/ngawest2/databases/

Legend	Pre-defined option	Main input variable	Calculated variable	Input var. flag	Internal variable

GMPE averaging: Geometric — *Weighted average of the natural logarithm of the spectral values*

GMPEs	ASK14	BSSA14	CB14	CY14	I14
Weight	0.25	0.25	0.25	0.25	0

# of std. dev.: 1

Damping ratio (%): 5 — *Modification factors are calculated in Sheet DSF*

ASK14 Abrahamson & Silva & Kamai 2014 NGA West-2 Model
BSSA14 Boore & Stewart & Seyhan & Atkinson 2014 NGA West-2 Model
CB14 Campbell & Bozorgnia 2014 NGA West-2 Model
CY14 Chiou & Youngs 2014 NGA West-2 Model
I14 Idriss 2014 NGA West-2 Model

RotD50 Horizontal Component of PGA, PGV and *IMs*

Input variables | **Errors and warnings**

M_w: 6.75

R_{RUP} (km): 6.14

R_{JB} (km): 6.14

R_X (km): 6.14

$Ry0$ (km): 999 — *If unknown use 999*

V_{S30} (m/sec): 293.5

U (BSSA13): 0 — *1: Unspecified fault mech.*

F_{RV}: 0 — *1: reverse fault*

F_{NM}: 0 — *1: normal fault*

F_{HW}: 0 — *1: hanging wall side*

Dip (deg): 90

Z_{TOR} (km): 999 — *If unknown use 999*

Z_{HYP} (km): 999 — *If unknown use 999*

$Z_{1.0}$ (km): 999 — *If unknown use 999*

$Z_{2.5}$ (km): 999 — *If unknown use 999*

W (km): 999 — *If unknown use 999*

Vs30flag: measured — *Choose options for V_{s30} from the list*

F_{AS}: no — *Aftershock effect is not applicable.*

Region: California — *Choose region from the list*

Calculated Variables/Flags

ΔDPP: 0 — *Always 0 for median calcs.*

PGA$_r$ (g): 0.301

Z_{BOT} (km) (CB14): 15 — *Enter for default W calcs*

SS: 1 — *auto calculated*

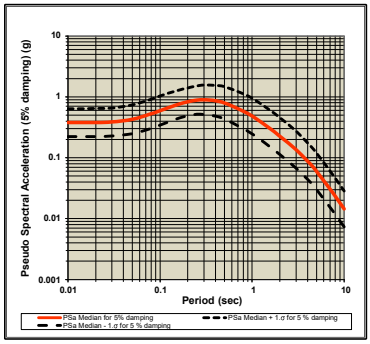
$V_{s30Flag}$: 1 — *measured*

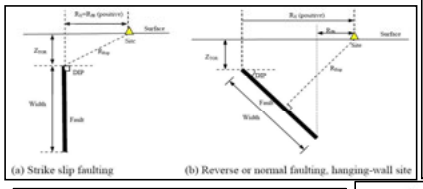
F_{AS}: 0 — *Aftershock effect is not applicable.*

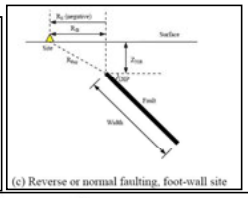
Region: 0 — *California*

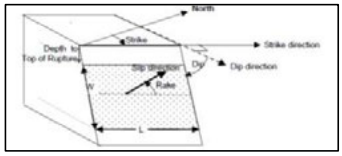
Option for Sa value: 1 — *Weighted average of the natural logarithm of the spectral values*

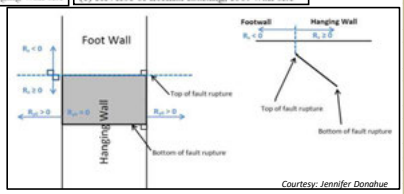
GMP	T (s)	Baseline: 5% Damping PSa Median for 5% damping	PSa Median + 1.σ for 5% damping	PSa Median - 1.σ for 5% damping	S_a Median for 5% damping	User defined: 5% Damping PSa Median for 5% damping	PSa Median + 1.σ for 5 % damping	PSa Median - 1.σ for 5 % damping	Sd Median for 5 % damping
PSa (g), S_d (cm)	0.01	0.3800029	0.6431229	0.224533	0.000943	0.380003	0.6431229	0.224533	0.000943
	0.02	0.3811991	0.6458771	0.224985	0.003785	0.381199	0.6458771	0.224985	0.003785
	0.03	0.3884517	0.6609105	0.228313	0.008679	0.388452	0.6609105	0.228313	0.008679
	0.05	0.429942	0.7398428	0.249851	0.026682	0.429942	0.7398428	0.249851	0.026682
	0.075	0.5134583	0.8929952	0.295231	0.071696	0.514485	0.8947812	0.295821	0.071839
	0.1	0.5970556	1.0364186	0.343949	0.148211	0.59825	1.0384914	0.344637	0.148508
	0.15	0.740511	1.2629565	0.434185	0.4136	0.741992	1.2654824	0.435053	0.414427
	0.2	0.83245	1.4119004	0.490809	0.826579	0.833282	1.4133123	0.491299	0.827406
	0.25	0.885218	1.512736	0.518009	1.373399	0.887874	1.5172742	0.519563	1.377519
	0.3	0.901044	1.5697004	0.51722	2.013051	0.901945	1.5712701	0.517737	2.015064
	0.4	0.8663445	1.5562376	0.482287	3.440939	0.867211	1.5577939	0.482769	3.44438
	0.5	0.8010339	1.4748206	0.435073	4.971154	0.801835	1.4762955	0.435509	4.976126
	0.75	0.6111185	1.1744314	0.317997	8.533247	0.611119	1.1744314	0.317997	8.533247
	1	0.4854499	0.952784	0.24734	12.05066	0.484964	0.9518312	0.247093	12.03861
	1.5	0.3173662	0.632522	0.159238	17.72595	0.317684	0.6331545	0.159397	17.74367
	2	0.2269466	0.4552307	0.11314	22.53461	0.226493	0.4543203	0.112914	22.48954
	3	0.1362336	0.2739705	0.067743	30.43638	0.136097	0.2736965	0.067675	30.40594
	4	0.0883614	0.1759633	0.044371	35.0953	0.088273	0.1757874	0.044327	35.0602
	5	0.0602279	0.1201874	0.030181	37.37698	0.059987	0.1197067	0.03006	37.22747
	7.5	0.0265016	0.0527405	0.013317	37.00511	0.026449	0.052635	0.01329	36.9311
	10	0.014618	0.028818	0.007415	36.28731	0.01456	0.0287027	0.007385	36.14216
PGA (g)	0	0.3779404	0.6391511	0.223482	0.000938	0.380003	0.6431229	0.224533	0.000943
PGV (cm/s)	-1	48.512631	86.889368	27.08588	0.120426	NA	NA	NA	NA











Courtesy: Jennifer Donahue

Definition of Parameters

Damping ratio = Viscous damping ratio (%) See Sanaz et al. (2012) PEER Report
PSA = Pseudo-absolute acceleration response spectrum (g)
PGA = Peak ground acceleration (g)
PGV = Peak ground velocity (cm/s)
S_d = Relative displacement response spectrum (cm)
M_w = Moment magnitude
R_{RUP} = Closest distance to coseismic rupture (km), used in ASK13, CB13 and CY13. See Figures a, b and c for illustation
R_{JB} = Closest distance to surface projection of coseismic rupture (km). See Figures a, b and c for illustation
R_X = Horizontal distance from top of rupture measured perpendicular to fault strike (km). See Figures a, b and c for illustation
R_{Y0} = The horizontal distance off the end of the rupture measured parallel to strike (km)
V_{S30} = The average shear-wave velocity (m/s) over a subsurface depth of 30 m
U = Unspecified-mechanism factor: 1 for unspecified; 0 otherwise
F_{RV} = Reverse-faulting factor: 0 for strike slip, normal, normal-oblique; 1 for reverse, reverse-oblique and thrust
F_{NM} = Normal-faulting factor: 0 for strike slip, reverse, reverse-oblique, thrust and normal-oblique; 1 for normal
F_{HW} = Hanging-wall factor: 1 for site on down-dip side of top of rupture; 0 otherwise
Dip = Average dip of rupture plane (degrees)
Z_{TOR} = Depth to top of coseismic rupture (km)
Z_{HYP} = Hypocentral depth from the earthquake
$Z_{1.0}$ = Depth to Vs=1 km/sec
$Z_{2.5}$ = Depth to Vs=2.5 km/sec
W = Fault rupture width (km)
$V_{s30flag}$ = 1 for measured, 0 for inferred Vs30
F_{AS} = 0 for mainshock; 1 for aftershock
Region = Specific regions considered in the models, Click on Region to see codes
ΔDPP = Directivity term, direct point parameter; uses 0 for median predictions
PGA$_r$ (g) = Peak ground acceleration on rock (g), this specific cell is updated in the cell for BSSA14 and CB14, for others it is taken account for in the macros
Z_{BOT} **(km)** = The depth to the bottom of the seismogenic crust
Z_{BOR} **(km)** = The depth to the bottom of the rupture plane
SS = 1 for strike slip, automatically updated in the cell

Input variables with defaults (If entered 999 as input):

Red colored value: The value is used in the code when input is unknown

DEFAULTs	USER defined	ASK14	BSSA14	CB14	CY14	I14
W (km)	999.00			14.576		
$Z_{1.0}$ (km)	999.000	0.457			0.464	
$\delta Z_{1.0}$ (km)	0.000		0.000			
$Z_{2.5}$ (V_{S30}=1100)(km)	999.000			0.398		
$Z_{2.5}$ (V_{S30})(km)	999.000			1.802		
Z_{TOR} (km)	999.00			10.650		
Z_{HYP} (km)	999.00			0.424	0.424	
Z_{BOR} (km)	-			15.000		

ACKNOWLEDGEMENTS

Nick Gregor, Bechtel
Silvia Mazzoni, Consultant

All NGA West-2 participants are acknowledged for their constructive comments and feedback.

APPENDIX 5.6-2

Paleontological Resource Assessment
for Ontario Airport South Cargo Center Project
PaleoWest. April 22, 2022

PALEOWEST

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F: 602.254.6280
info@paleowest.com

Redlands Office
301 9th St., Suite 114
Redlands, CA 92374

April 22, 2022

Tony Locacciato, AICP
Partner
Meridian Consultants, LLC
706 South Hill Street, 11th Floor
Los Angeles, California 90014
Transmitted via email to TLocacciato@meridianconsultantsllc.com

RE: Paleontological Resource Assessment for Ontario Airport South Cargo Center Project, City of Ontario, San Bernardino County, California

Dear Mr. Locacciato,

At the request of Meridian Consultants, LLC (Meridian), PaleoWest, LLC (PaleoWest) conducted a paleontological resource assessment for the Ontario Airport (ONT Airport) South Cargo Center project (Project), in the city of Ontario, San Bernardino County, California.The goal of the assessment is to identify the geologic units that may be impacted by development of the Project, determine the paleontological sensitivity of geologic units within the Project area, assess potential for impacts to paleontological resources from development of the Project, and recommend mitigation measures to avoid or mitigate impacts to scientifically significant paleontological resources, as necessary.

This paleontological resource assessment included a fossil locality records search conducted by the Natural History Museum of Los Angeles County (NHMLAC). The records search was supplemented by a review of existing geologic maps and primary literature regarding fossiliferous geologic units within the proposed Project vicinity and region. This technical memorandum, which was written in accordance with the guidelines set forth by the Society of Vertebrate Paleontology (SVP) (2010), has been prepared to support environmental review under the California Environmental Quality Act (CEQA).

PROJECT LOCATION AND DESCRIPTION

The proposed Project is a facility expansion project at the ONT Airport that includes the redevelopment of approximately 97 acres of existing underutilized parcels, including Assessor's Parcel Numbers (APN) 11326106, 11326107, **11326108, 11327101, and 11327102**, located on the south side of the ONT Airport in San Bernardino County, California (Figure 1). More specifically, the Project area is situated within Sections 27 and 34, Township 1 South, Range 7 West, San Bernardino Baseline and Meridian (SBBM), as depicted on the Guasti, CA 7.5' U.S. Geological Survey (USGS) topographic quadrangle (Figure 2). The elevation of the Project area ranges from approximately 886 to 915 feet below mean sea level.



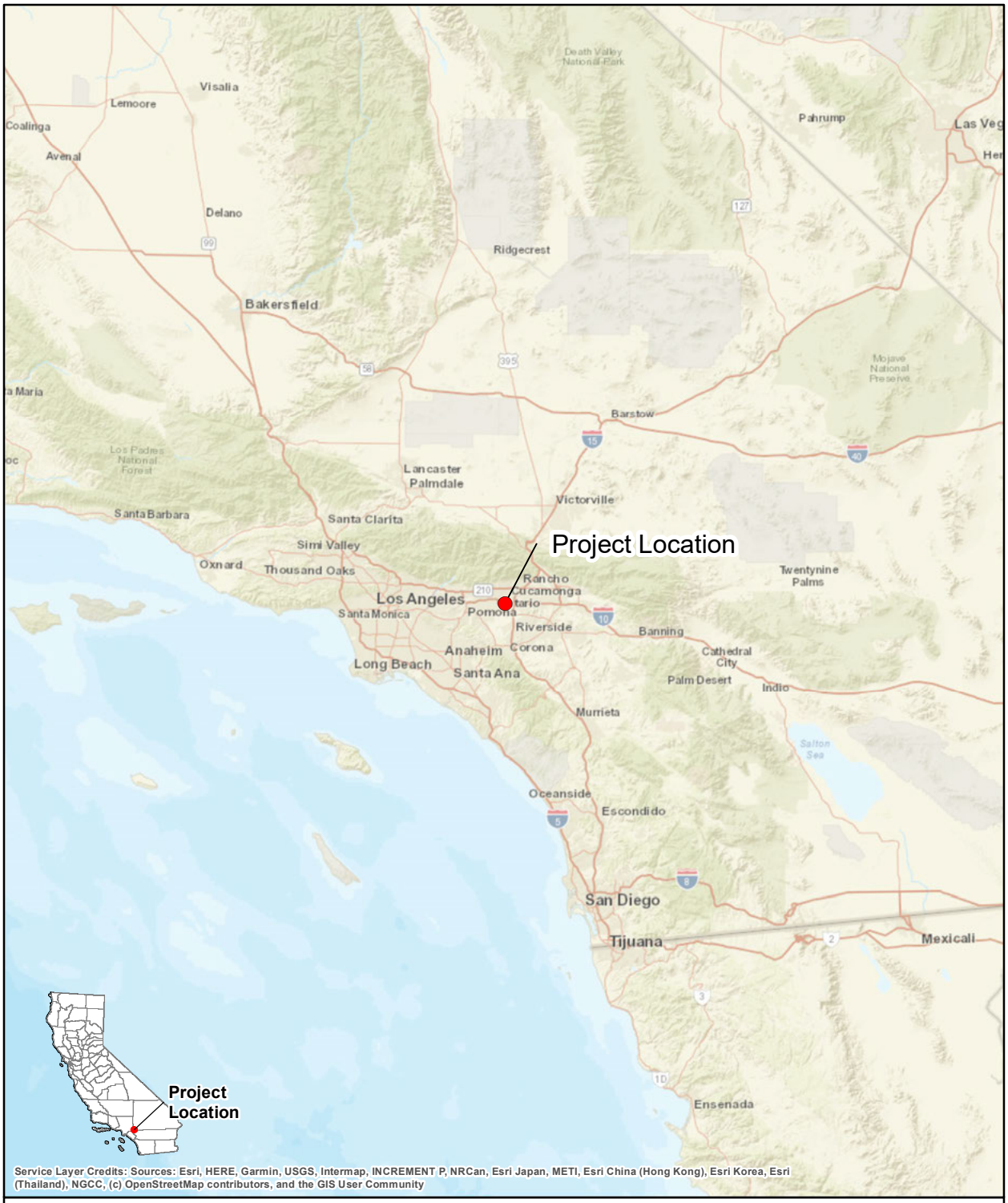
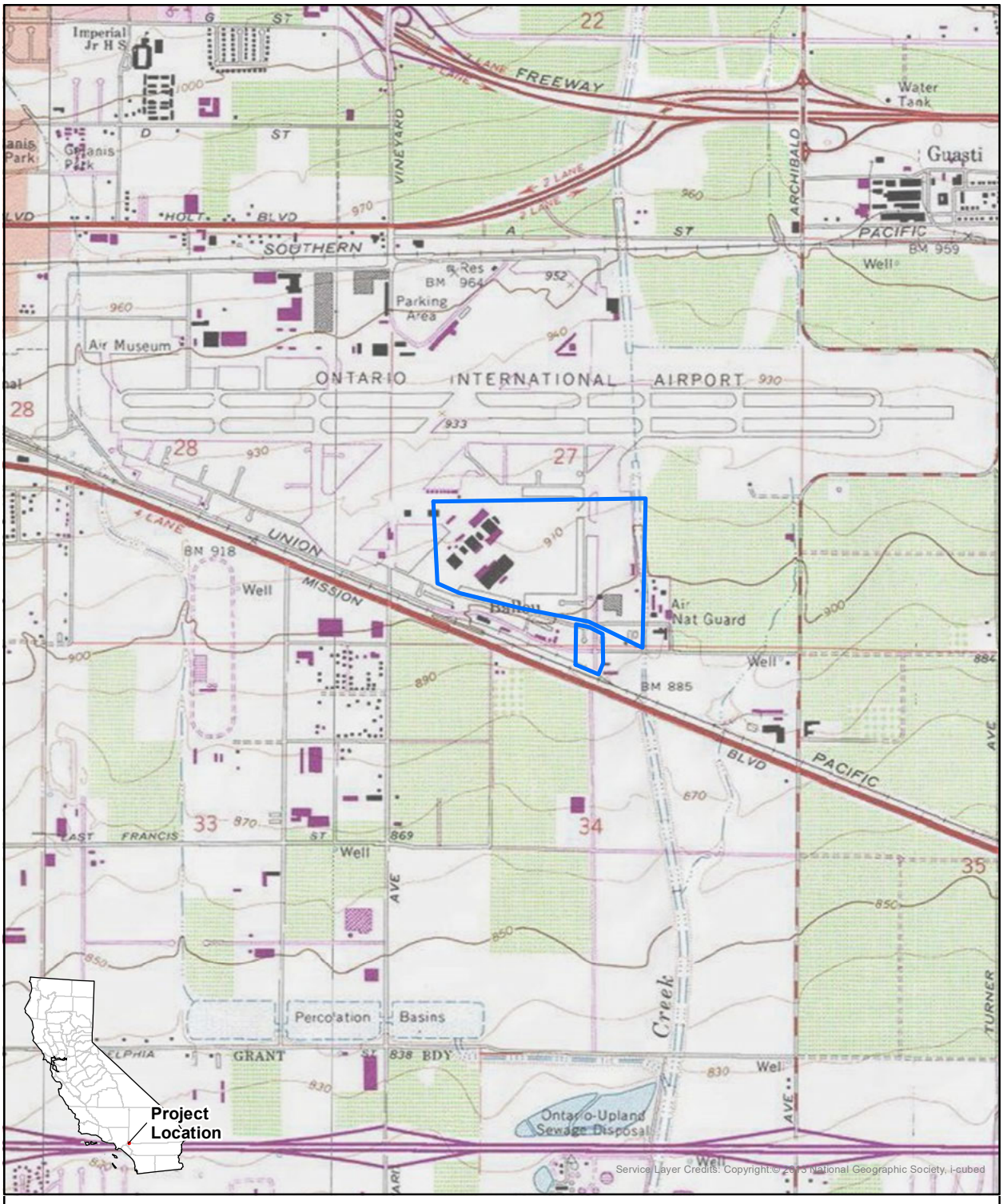


Figure 1. Project Vicinity Map USGS 7.5' Quadrangle: Guasti, CA (1982) T1S R7W, Secs 27 & 34 UTM Zone 11, NAD 83 SBBM



PALEO WEST

0 feet 2,000

0 meters 500

1:24,000

Figure 2. Project Location Map
USGS 7.5' Quadrangle:
Guasti, CA (1982) T1S R7W,
Secs 27 & 34 UTM Zone 11,
NAD 83 SBBM

Project Area

The Project will be composed of the construction of four primary elements: (1) a cargo sorting building; a 60-ft tall, approximately 857,000 ft^2 facility that will house a sorting facility and office spaces; (2) a 210,000 ft^2 truck yard and visitor parking area that will include ground-to-air and air-to-ground cargo operations and trailer truck parking/staging stalls; (3) visitor and employee parking that would include 933 automobile parking stalls; 900 employee stalls in an approximately 271,000 ft^2 parking garage on 3 acres and 33 at-grade, visitor parking stalls; and (4) an aircraft apron with approximately 26 aircraft parking stalls/gates, comprising 2,900,000 ft^2 and ground service equipment maintenance building, garage, and parking area. In addition, the Project requires infrastructural improvements including internal roadways, an aircraft fuel system, substation and substation building, a stormwater drainage / detention system, security systems, utility services and related developments. The Project would include demolition of the existing buildings and will be constructed in two phases.

REGULATORY CONTEXT

Paleontological resources (i.e., fossils) are considered nonrenewable scientific resources because once destroyed, they cannot be replaced. As such, paleontological resources are afforded protection under various federal, state, and local laws and regulations. Laws pertinent to this Project are discussed below.

STATE LAWS AND REGULATIONS

California Environmental Quality Act

CEQA requires that public agencies and private interests identify the potential environmental consequences of their Projects on any object or site of significance to the scientific annals of California (Division I, California Public Resources Code [PRC] Section 5020.1 [b]). Appendix G in Section 15023 provides an Environmental Checklist of questions (PRC 15023, Appendix G, Section VII, Part f) that includes the following: "Would the project directly or indirectly destroy a unique paleontological resource or site or unique geological feature?"

CEQA does not define "a unique paleontological resource or site." However, the Society of Vertebrate Paleontology (SVP) has provided guidance specifically designed to support state and Federal environmental review. The SVP broadly defines significant paleontological resources as follows (SVP 2010, page 11):

> "Fossils and fossiliferous deposits consisting of identifiable vertebrate fossils, large or small, uncommon invertebrate, plant, and trace fossils, and other data that provide taphonomic, taxonomic, phylogenetic, paleoecologic, stratigraphic, and/or biochronologic information. Paleontological resources are considered to be older than recorded human history and/or older than middle Holocene (i.e., older than about 5,000 radiocarbon years)."

Significant paleontological resources are determined to be fossils or assemblages of fossils that are unique, unusual, rare, diagnostically important, or are common but have the potential to provide valuable scientific information for evaluating evolutionary patterns and processes, or which could improve our understanding of paleochronology, paleoecology, paleophylogeography, or depositional histories. New or unique specimens can provide new

insights into evolutionary history; however, additional specimens of even well represented lineages can be equally important for studying evolutionary pattern and process, evolutionary rates, and paleophylogeography. Even unidentifiable material can provide useful data for dating geologic units if radiometric dating is possible. As such, common fossils (especially vertebrates) may be scientifically important, and therefore considered significant.

California Public Resources Code

Section 5097.5 of the Public Resources Code (PRC) states:

> "No person shall knowingly and willfully excavate upon, or remove, destroy, injure or deface any historic or prehistoric ruins, burial grounds, archaeological or vertebrate paleontological site, including fossilized footprints, inscriptions made by human agency, or any other archaeological, paleontological or historical feature, situated on public lands, except with the express permission of the public agency having jurisdiction over such lands. Violation of this section is a misdemeanor."

As used in this PRC section, "public lands" means lands owned by, or under the jurisdiction of, the state or any city, county, district, authority, or public corporation, or any agency thereof. Consequently, public agencies are required to comply with PRC 5097.5 for their own activities, including construction and maintenance, as well as for permit actions (e.g., encroachment permits) undertaken by others.

LOCAL

Impact 5.5.2 of The Ontario Plan (City of Ontario 2009) states the following:

> "5-2 In areas of documented or inferred archaeological and/or paleontological resource presence, City staff shall require applicants for development permits to provide studies to document the presence/absence of such resources. On properties where resources are identified, such studies shall provide a detailed mitigation plan, including a monitoring program and recovery and/or in situ preservation plan, based on the recommendations of a qualified cultural preservation expert. The mitigation plan shall include the following requirements:
>
> a) Archaeologists and/or paleontologist shall be retained for the project and will be on call during grading and other significant ground-disturbing activities.
>
> b) Should any cultural/scientific resources be discovered, no further grading shall occur in the area of the discovery until the Planning Director is satisfied that adequate provisions are in place to protect these resources.
>
> c) Unanticipated discoveries shall be evaluated for significance by a San Bernardino County Certified Professional Archaeologist/Paleontologist. If significance criteria are met, then the project shall be required to perform data recovery, professional identification, radiocarbon dates, and other special studies; submit materials to a museum for permanent curation; and provide a comprehensive final report including catalog with museum numbers."

PALEONTOLOGICAL RESOURCE POTENTIAL

Absent specific agency guidelines, most professional paleontologists in California adhere to the guidelines set forth by SVP (2010) to determine the course of paleontological mitigation for a given project. These guidelines establish protocols for the assessment of the paleontological resource potential of underlying geologic units and outline measures to mitigate adverse impacts that could result from project development. Using baseline information gathered during a paleontological resource assessment, the paleontological resource potential of the geologic unit(s) (or members thereof) underlying a Project area can be assigned to one of four categories defined by SVP (2010). While these standards were written specifically to protect vertebrate paleontological resources, all fields of paleontology have adopted the following guidelines:

HIGH POTENTIAL (SENSITIVITY)

Rock units from which significant vertebrate or significant invertebrate fossils or significant suites of plant fossils have been recovered have a high potential for containing significant non-renewable fossiliferous resources. These units include but are not limited to, sedimentary formations and some volcanic formations which contain significant nonrenewable.

LOW POTENTIAL (SENSITIVITY)

Sedimentary rock units that are potentially fossiliferous but have not yielded fossils in the past or contain common and/or widespread invertebrate fossils of well documented and understood taphonomic, phylogenetic species and habitat ecology. Reports in the paleontological literature or field surveys by a qualified vertebrate paleontologist may allow determination that some areas or units have low potentials for yielding significant fossils prior to the start of construction. Generally, these units will be poorly represented by specimens in institutional collections and will not require protection or salvage operations. However, as excavation for construction gets underway it is possible that significant and unanticipated paleontological resources might be encountered and require a change of classification from Low to High Potential and, thus, require monitoring and mitigation if the resources are found to be significant.

UNDETERMINED POTENTIAL (SENSITIVITY)

Specific areas underlain by sedimentary rock units for which little information is available have undetermined fossiliferous potentials. Field surveys by a qualified vertebrate paleontologist to specifically determine the potentials of the rock units are required before programs of impact mitigation for such areas may be developed.

NO POTENTIAL

Rock units of metamorphic or igneous origin are commonly classified as having no potential for containing significant paleontological resources.

METHODS

In order to assess whether or not a particular area has the potential to contain significant fossil resources at the subsurface, it is necessary to review published geologic mapping to determine the geology and stratigraphy of the area. Geologic units are considered to be "sensitive" for paleontological resources if they are known to contain significant fossils anywhere in their extent. Therefore, a search of pertinent local and regional museum repositories for

paleontological localities within and nearby the Project area is necessary to determine whether or not fossil localities have been previously discovered within a particular rock unit. For this Project, a formal museum records search was conducted at the NHMLAC, as the San Bernardino County Museum is currently not accepting paleontological records search requests. Informal records searches were also conducted of the online University of California Museum of Paleontology Collections and San Diego Natural History Museum Collections, the online Paleobiology Database and FAUNMAP, and other published and unpublished geological and paleontological literature of the area.

RESOURCE CONTEXT

GEOLOGIC SETTING

The Project area is located in the northwestern portion of the Peninsular Ranges geomorphic province. Northwest trending mountain ranges and valleys following faults branching from the San Andreas Fault distinguish the Peninsular Ranges province. The Peninsular Ranges are bound to the east by the Colorado Desert and extend north to the San Bernardino – Riverside County line, west into the submarine continental shelf, and south to the California state line (Norris and Webb 1976). Locally, the Project is located in the Fontana Plain, an alluvial fan originating in Lytle Creek canyon in the foothills of the San Bernardino Mountains to the north and extending south to the Jurupa Mountains (Dutcher and Garrett 1963). The Fontana plain is divided by Lytle Creek into an eastern section that is dominated by deposits of the late Holocene Epoch (11,700 years ago to today), and a western portion that contains deposits of the Pleistocene (2.6 million years ago to 11,700 years ago) and Holocene Epochs (Dutcher and Garrett 1963).

SITE SPECIFIC GEOLOGY AND PALEONTOLOGY

According to Morton and Miller (2006), the majority of the Ontario Airport, including the majority ofthe Project area, is built on artificial fill (Qaf), deposited during the late Holocene Epoch (11,700 years ago to today). The Qaf was deposited on Very young alluvial-fan deposit Unit 1 (Qyf_1) and Young alluvial-fan deposit Unit 3 (Qyf_3), both of which were deposited during the late Pleistocene Epoch (2.6 million years ago to 11,700 years ago) and Holocene Epoch (Figure 3). The artificial fill extends to an unknown depth under the Project area, and the Young alluvial-fan units are mapped at the surface immediately outside the airport. The eastern edge of the Project area is underlain by Very young alluvial fan deposits (Qyf) of the late Holocene Epoch. Locally, the alluvial fans are sourced from the San Bernardino Mountains to the north. Due to its artificial nature and *ex situ* context, artificial fill has no paleontological sensitivity. Holocene units are typically considered to have a low paleontological sensitivity, as they are too young to have accumulated and preserved significant biologic material, but often transition with depth into high sensitivity Pleistocene deposits. Elsewhere in San Bernardino County, Pleistocene deposits have produced remains of a diverse terrestrial fauna, including ground sloth, deer, mammoth, camel, horse, bison, badger, mole, rabbit, gray fox, coyote, snake (Jefferson 1991a, 1991b; Miller 1971; NHMLAC 2021).

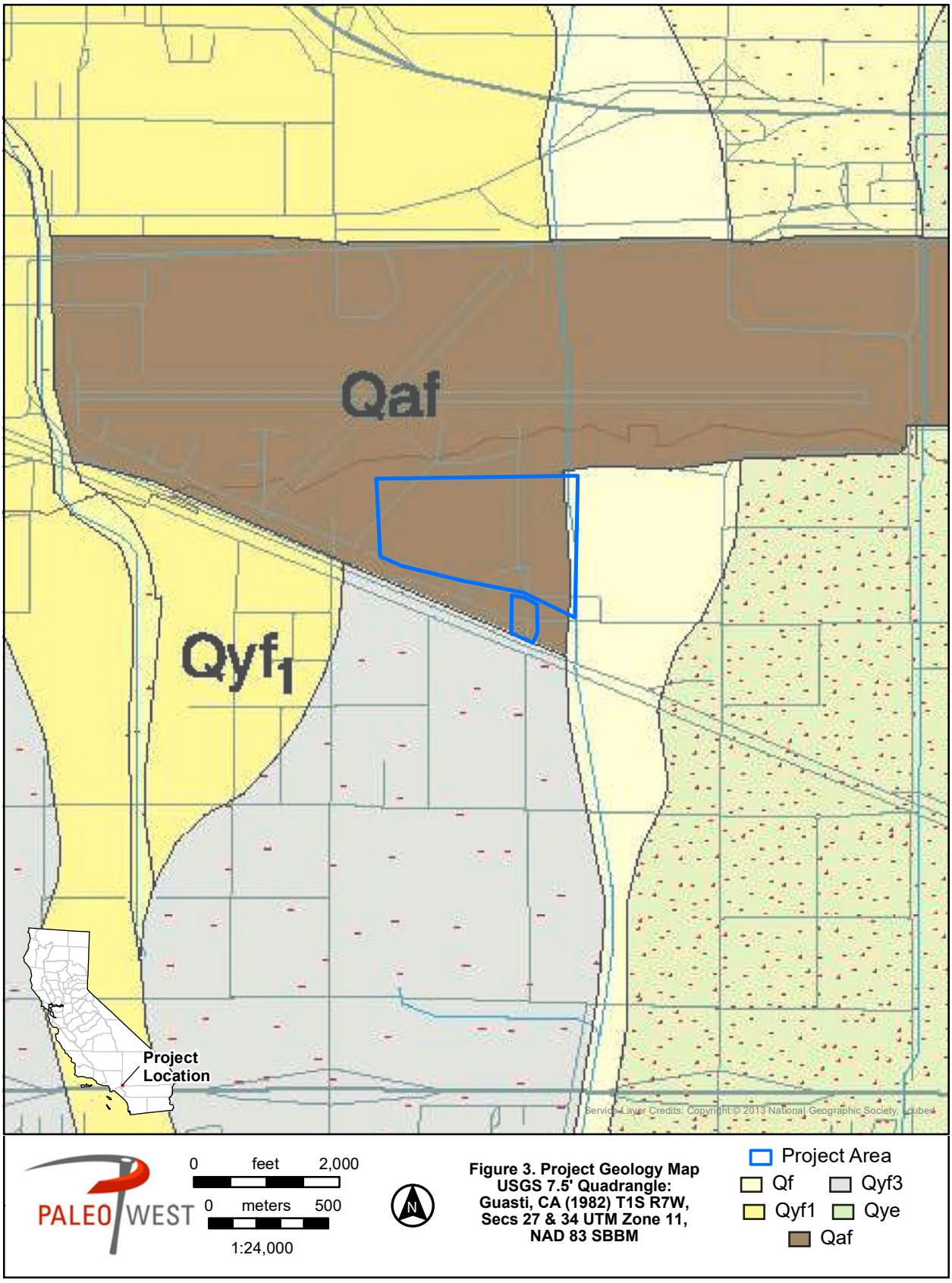


Figure 3. Project Geology Map USGS 7.5' Quadrangle: Guasti, CA (1982) T1S R7W, Secs 27 & 34 UTM Zone 11, NAD 83 SBBM

RECORDS SEARCH RESULTS

The NHMLAC records search did not produce any fossil localities from within the Project area, nor within one mile, but did produce several fossil localities in deposits of Pleistocene sediment in the region (NHMLAC 2021) (Table 1). Searches of online databases and other literature did not produce any additional fossil localities within one mile of the Project.

Table 1
Fossil Localities in the Project Vicinity[1]

Locality No.	Geologic Unit	Age	Taxa	Depth
LACM VP 7811	Unknown eolian tan silt	Pleistocene	Whip snake (*Masticophis*)	9-11 feet bgs
LACM VP 7268, 7271	Unknown	Pleistocene	Horse (*Equus*)	Unknown
LACM VP 7508	Unknown	Pleistocene	Ground sloth (*Nothrotheriops*), proboscid (Proboscidea), horse (*Equus)*	Unknown
LACM VP 1728	Unknown light brown shale with interbeds of very coarse brown sand	Pleistocene	Horse (*Equus*), camel (*Camelops*)	15 – 20 ft bgs
LACM VP 1207	Unknown	Pleistocene	Bovidae	Unknown

Source: [1]NHMLAC (2021)

FINDINGS

This memorandum utilizes the SVP system (2010) to assess paleontological sensitivity and the level of effort required to manage potential impacts to significant fossil resources. Using this system, the sensitivity of geologic units was determined on the basis of the relative abundance and risk of adverse impacts to vertebrate fossils and significant invertebrates and plants.

Information provided by Meridian indicated that Project-related ground disturbance would reach a maximum of 20 feet below ground surface (bgs) for utilities trenching, with most of the ground disturbance reaching less than seven feet bgs. In most of the Project area, shallow excavation (less than nine feet bgs) will likely impact only artificial fill (Qaf), while deeper excavation (greater than nine feet bgs) may impact underlying Very young alluvial-fan deposits (Qyf_1 or Qyf_3). Excavation into Qaf and upper levels of Qyf_1 or Qyf_3 are unlikely to yield any significant paleontological resources, as late Holocene deposits are too young to contain fossils, and therefore possess low sensitivity. Along the eastern edge, ground disturbance will impact Very young alluvial fan deposits (Qyf) at the surface; these late Holocene deposits also possess low sensitivity near the surface. As a result, no impacts to paleontological resources would occur from earth-moving activities less than nine feet bgs within the Project area. Excavations deeper than nine feet bgs may extend down into older, high sensitivity Pleistocene sediments, which are considered to have a high paleontological sensitivity because they have proven to

yield significant paleontological resources (i.e., identifiable vertebrate fossils) in San Bernardino County. As such, ground disturbing activities in the Project area below nine feet bgs could potentially impact paleontological resources and should be monitored by a qualified paleontological monitor under direction of a Principal Paleontologist to identify and effectively salvage any recovered resources while minimizing discovery-related delays.

RECOMMENDATIONS

In general, the potential for a given project to result in negative impacts to paleontological resources is directly proportional to the amount of ground disturbance associated with the project; thus, the higher the amount of ground disturbances within geological deposits with a known paleontological sensitivity, the greater the potential for negative impacts to paleontological resources. Since this Project entails excavation for a cargo building, airport gates, truck yard, roadway, and other infrastructure, new ground disturbances are anticipated. Geologic units in the Project area have a high paleontological sensitivity below nine feet bgs. Ground disturbing activities in the Project area may result in significant impacts under CEQA to paleontological resources, such as destruction, damage, or loss of scientifically important paleontological resources. A qualified paleontologist should be retained to develop and implement the measures recommended below. These measures have been developed in accordance with SVP guidelines; if implemented, these measures will satisfy the requirements of CEQA.

WORKER'S ENVIRONMENTAL AWARENESS PROGRAM (WEAP)

Prior to the start of the proposed Project activities, all field personnel will receive a worker's environmental awareness training on paleontological resources. The training will provide a description of the laws and ordinances protecting fossil resources, the types of fossil resources that may be encountered in the Project area, the role of the paleontological monitor, outline steps to follow in the event that a fossil discovery is made and provide contact information for the Project-qualified Paleontologist. The training will be developed by the Project-qualified Paleontologist and can be delivered concurrent with other training including cultural, biological, safety, etc.

PALEONTOLOGICAL MITIGATION MONITORING

Prior to the commencement of ground-disturbing activities, a professional paleontologist will be retained to prepare and implement a Paleontological Resources Mitigation and Monitoring Plan (PRMMP) for the proposed Project. The PRMMP will describe the monitoring required during excavations that extend into Pleistocene sediment (at nine feet bgs), and the location of areas deemed to have a high paleontological resource potential. It is recommended that the results of the geotechnical investigation conducted for the Project are consulted to determine the approximate depth of Pleistocene sediment in the Project area. Monitoring will entail the visual inspection of excavated or graded areas and trench sidewalls. If the Project-qualified Paleontologist determines full-time monitoring is no longer warranted, based on the geologic conditions at depth, he or she may recommend that monitoring be reduced or cease entirely.

FOSSIL DISCOVERIES

In the event that a paleontological resource is discovered, the monitor will have the authority to temporarily divert the construction equipment around the find until it is assessed for scientific significance and, if appropriate, collected. If the resource is determined to be of scientific significance, the Project-qualified Paleontologist shall complete the following:

1. Salvage of Fossils. If fossils are discovered, all work in the immediate vicinity should be halted to allow the paleontological monitor, and/or Project-qualified Paleontologist to evaluate the discovery and determine if the fossil may be considered significant. If the fossils are determined to be potentially significant, the Project-qualified Paleontologist (or paleontological monitor) should recover them following standard field procedures for collecting paleontological as outlined in the PRMMP prepared for the project. Typically, fossils can be safely salvaged quickly by a single paleontologist and not disrupt construction activity. In some cases, larger fossils (such as complete skeletons or large mammal fossils) require more extensive excavation and longer salvage periods. In this case the paleontologist should have the authority to temporarily direct, divert or halt construction activity to ensure that the fossil(s) can be removed in a safe and timely manner.

2. Fossil Preparation and Curation. The PRMMP will identify the museum that has agreed to accept fossils that may be discovered during project-related excavations. Upon completion of fieldwork, all significant fossils collected will be prepared in a properly equipped laboratory to a point ready for curation. Preparation may include the removal of excess matrix from fossil materials and stabilizing or repairing specimens. During preparation and inventory, the fossils specimens will be identified to the lowest taxonomic level practical prior to curation at an accredited museum. The fossil specimens must be delivered to the accredited museum or repository no later than 90 days after all fieldwork is completed. The cost of curation will be assessed by the repository and will be the responsibility of the client.

FINAL PALEONTOLOGICAL MITIGATION REPORT

Upon completion of ground disturbing activity (and curation of fossils if necessary) the Project-qualified Paleontologist should prepare a final mitigation and monitoring report outlining the results of the mitigation and monitoring program. The report should include discussion of the location, duration and methods of the monitoring, stratigraphic sections, any recovered fossils, and the scientific significance of those fossils, and where fossils were curated.

It has been a pleasure working with you on this Project. If you have any questions, please do not hesitate to contact us.

Sincerely,



Benjamin Scherzer, M.S. | Senior Paleontologist
PALEOWEST

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APPENDIX 5.8-1

Phase I Environmental Site Assessment
Proposed 97-Acre Magellan Airport Cargo Distribution Center
GSI Environmental. December 10, 2021
Revised November 3, 2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROPOSED 97-ACRE PROJECT MAGELLAN AIRPORT CARGO DISTRIBUTION CENTER ONTARIO, CALIFORNIA

Prepared for:

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

TABLE OF CONTENTS

FINDINGS, OPINIONS, AND CONCLUSIONS 1

1.0 INTRODUCTION 10

1.1 Purpose of the ESA 10
1.2 Significant Assumptions 10
1.3 Limitations 11
1.4 Non-Scope Considerations 11
1.5 User Reliance 11

2.0 SITE DESCRIPTION 11

2.1 Current and Past Site Use 11
2.2 Site Physical Description 14
2.3 Surrounding Properties 18
2.4 Geologic, Hydrogeologic, Hydrologic, and Topographic Conditions 18

3.0 SITE RECONNAISSANCE 19

4.0 HISTORICAL INFORMATION 22

5.0 OWNER/USER PROVIDED INFORMATION AND INTERVIEWS 26

5.1 1990 Phase I - Phase II ESAs 26
5.2 1995 Underground Storage Tank Closure Report 29
5.3 1996 Draft Environmental Baseline Survey Ontario Air National Guard 30
5.4 1997 Hazardous Materials Survey Report 31
5.5 1998 ESA 32
5.6 2001 Airport Group International 33
5.7 2001 Phase I ESA Former Air National Guard and Surrounding 33
5.8 2003 Phase I ESA Hangar 4 at GE Engine Services 36
5.9 2003 Phase I ESA Former Los Angeles Police Department Emergency Vehicle Operations Course (LAPD EVOC) Facility 37
5.10 2004 Phase I ESA East Avion Complex 38
5.11 2005 Phase II ESA East Avion Complex 40
5.12 2005 Phase I ESA 40
5.13 2006 Phase I ESA 1923 East Avion Street 42
5.14 2008 Phase I ESA of the Ontario International Airport Mercury Air Center Facility 44
5.15 Interviews/Questionnaires 45

6.0 RECORDS REVIEW 45

6.1 Regulatory Agency Records Review 46
6.2 Regulatory Database Review 58
6.3 Off-Site Properties 60
6.4 Environmental Lien Search and Activity and Use Limitations 67

7.0 SUMMARY OF FINDINGS 67

8.0 DATA GAPS OR FAILURES 68

9.0 CERTIFICATION 69

10.0 REFERENCES 70

Figures

Figure 1A. *Site Location Map*
Figure 1B. *Site Parcels*
Figure 2. *Site Outline with Proposed Buildings*
Figure 3. *Site Reconnaissance Features*
Figure 4. *Locations of Recognized Environmental Conditions*
Figure 5. *Off-Site Features*

Appendices

Appendix A. *Regulatory Database Search Report*
Appendix B. *Site Photographs*
Appendix C. *Sanborn Fire Insurance Maps*
Appendix D. *Topographic Maps*
Appendix E. *Aerial Photographs*
Appendix F. *City Directories*
Appendix G. *User-Supplied Documents*
Appendix H. *Questionnaires*
Appendix I. *Agency File Requests/Responses*

COMMON ACRONYMS

µg/L	Micrograms per Liter
AAI	All Appropriate Inquiries
ACBM	Asbestos-Containing Building Material
ACM	Asbestos-Containing Material
AFFF	Aqueous film forming foam
AHERA	Asbestos Hazard Emergency Response Act
ANGS	Air National Guard Station
APCD	Air Pollution Control District
APN	Assessor's Parcel Number
AQMD	Air Quality Management District
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
AUL	Activity and Use Limitation
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
CalGEM	California Geologic Energy Management Division
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
COC	Contaminant of Concern
CREC	Controlled Recognized Environmental Condition
DOGGR	Division of Oil, Gas, and Geothermal Resources
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
GPR	Ground-Penetrating Radar
HAZNET	Facility and Manifest Data
HREC	Historical Recognized Environmental Condition
HVAC	Heating, Ventilation, and Air Conditioning
HWS	Hazardous Waste Site
LBP	Lead-Based Paint
LCP	Lead Containing Paint
LLP	Landowner Liability Protection
LQG	Large Quantity Generator
LUST	Leaking Underground Storage Tank
MCL	Maximum Contaminant Level
mg/kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
MSDS	Material Safety Data Sheet
MTBE	Methyl Tertiary Butyl Ether
ND	None Detected
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFA	No Further Action
NOV	Notice of Violation

COMMON ACRONYMS (CONTINUED)

NPL	National Priorities List
NTC	Notice to Comply
O&M	Operations and Maintenance
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PCE	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene, PERC
pCi/L	Picocuries per Liter
ppb	Parts per Billion
ppm	Parts per Million
PTO	Permit to Operate
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RP	Responsible Party
sf	Square feet
SLIC	Spills, Leaks, Investigation, and Cleanup
SQG	Small Quantity Generator
SVOC	Semi-Volatile Organic Compound
TCE	Trichloroethylene, Trichloroethene
TPH	Total Petroleum Hydrocarbons
TPHd	Total Petroleum Hydrocarbons (diesel range)
TPHg	Total Petroleum Hydrocarbons (gasoline range)
TPHo	Total Petroleum Hydrocarbons (oil range)
TRPH	Total Recoverable Petroleum Hydrocarbons
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

FINDINGS, OPINIONS, AND CONCLUSIONS

At the request of Mr. Winters, GSI Environmental Inc. (GSI) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) International, Inc. Standard E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Assessment Process (ASTM Standard) for the 97-acre property identified below and shown on Figures 1A, 1B, and Figure 2 (Site). Any exceptions to, or deletions from, this practice are described in Section 8.0 of this report.

SITE IDENTIFICATION	
Name:	Proposed 97-Acre Project Magellan Airport Cargo Distribution
Address:	97-Acre Portion of the Ontario International Airport
City:	Ontario
County:	San Bernardino County
State:	California
Assessor Parcel Number(s):	*Parcels are identified on Figure 1B.* Parcel 61: 011326106 (approximately 48 acres) Parcel 62: 011326107 (approximately 21 acres) Parcel 63: 011326108 (approximately 2 acres) Parcel 67: 011327101 (approximately 12 acres) Parcel 68: 011327102 (approximately 14 acres)

The purpose of the Phase I ESA was to identify Recognized Environmental Conditions (RECs) as defined in the ASTM Standard. It is our understanding that this Phase I ESA has been solicited as part of environmental due diligence activities in connection with the land lease and redevelopment of the Site.

This report presents the results of the Phase I ESA and is based on the following:

- Review of the physical setting and Site reconnaissance;
- Review of historical information from Sanborn fire insurance maps, topographic maps, aerial photographs, and city directories;
- Review of prior Site reports provided to GSI or obtained from regulatory agencies;
- Information obtained from owner and/or user interviews;
- Review of available agency files including the following;
    - City of Ontario Building Department,
    - City of Ontario Fire Department,
    - South Coast Air Quality Management District (SCAQMD),
    - City of Ontario Public Works Department,
    - San Bernardino Fire Department-Hazardous Materials,
    - Department of Toxic Substances Control (DTSC)-Cypress,
    - Department of Toxic Substances Control (DTSC)-Cypress,
    - Office of the State Fire Marshal,
    - Santa Ana Regional Water Quality Control Board (SARWQCB),

- County Assessor's Office website,
- California State Water Resources Control Board (SWRCB) Deed Restrictions website,
- SWQCB GeoTracker website,
- DTSC Envirostor website,
- DTSC Land Use Restrictions website,
- National Pipeline Mapping System (NPMS),
- California Geologic Energy Management Division (CalGEM) website; and

- Review of regulatory agency database information for the Site and surrounding properties.

The Site is located in Ontario, California and comprises of approximately 97 acres of the Ontario International Airport that was previously agricultural property or vineyards until the mid to late 1950's. The Site consists of 24 buildings and Hangars, ancillary structures, and parking facilities. The Site is located north of East Avion Street and west of the Cucamonga Creek with a small portion connecting to South Hellman Avenue. The Site is broken down into five parcels, Parcel 61, Parcel 62, Parcel 63, Parcel 67, and Parcel 68.

Historically, Parcel 61 was occupied by Northrop Aircraft Company and Douglas Aircraft in the 1950s. Lockheed Aircraft occupied Hangar 4 between 1955 and 1980. In 1955, GE Engine Services, Inc. moved their operations to the Site and Northrop vacated. The former Los Angeles Police Department (LAPD) Emergency Vehicle Operations Course (EVOC) was previously located in the center of the Site along the western border of Parcel 62. Historical use on Parcel 61 has included the use of chlorinated solvents, the storage and dispensing of fuel, fire suppression chemical storage, and hazardous waste storage and waste treatment (including clarifiers, wash racks, and sumps). Multiple underground storage tanks (USTs) have been documented at the Site and documentation of removal was not identified during this investigation.

Parcel 62 was primarily agricultural until the 1950s. In 1983, the main Hangar and office building were developed, and by 1987, the second Hangar was in use. In 1994, an outbuilding maintenance area was constructed and put into service. A fuel farm was located on the southwestern corner of the Site and two clarifiers, and a maintenance shop have been documented on the Parcel. Historical use of chemicals at Parcel 62 has included chlorinated solvents, and fire suppression chemical storage. Poor housekeeping was identified in the vicinity of unmarked drums and stained concrete around the fire suppressant storage area within the Guardian Jet Center. Multiple USTs have been documented at the Site. Although it appears that the USTs located on Parcel 62 have been removed, closure documentation was not identified, and some impacted soil from at least one leaking UST remains in place at the Site.

Parcels 67 and 68 historically included the Ontario Air National Guard Station (ANGS) with ancillary structures to the south and east. In the 1950s, a Hangar, fire station, fueling station, and wash rack were constructed at the Site. In 1952, the 196th Tactical Air Support Group was assigned to the Ontario Airport. During this time, the facilities were updated, and operations included the maintenance of aircraft vehicles and aerospace ground equipment. A munitions bunker was constructed in the 1950s and later used by Lockheed in the 1990s for storage of ammunition and explosives. The 196th vacated the Site in 1983 and the 148th Combat Communications Squadron (CBCS) occupied the Site from 1984 through 1998. The ANGS was closed in September 1998. Historical use on Parcels 67 and 68 has included the use of clarifiers,

Above ground storage tanks (ASTs), and USTs. Although USTs have been removed, documentation of regulatory closure was not identified and there is reference to one UST that was not accounted for during the removal process. Poor housekeeping was identified in the vicinity of a leaking waste drum.

The southern portion of the Site is comprised of Parcel 63 and a small portion of Parcel 61. This location has been primarily agricultural and historically stored a bunker. These parcels are currently utilized for parking and include a large storm drain outlet.

During the three-day Site reconnaissance, many of the features identified in the Parcel descriptions above were identified and added to Table 1 and Figure 3. Historic UST areas were identified next to the former California Air National Guard (CANG) Hangar and southwest of the current Guardian Jet Center Hangars. Three concrete secondary containment structures were observed at 61W-29 where aboveground storage tanks used to be held. Two clarifiers were observed east of the Guardian Jet Center Hangars as well. A wash rack and backfilled clarifier was identified northeast of the CANG Hangar as well as a former fueling station. Multiple locations across the Site were identified to have staining. A concrete pad with red staining was observed to the east of the Guardian Jet Center Hangars. Inside of the Guardian Jet Center southern Hangar, staining was observed around the aqueous film forming foam (AFFF) suppression system. The large hydraulic jacks adjacent to Hangar 1 were observed to be leaking oil that had stained the asphalt underneath them. Two above ground fuel tanks were observed in secondary containers inside a shed at the former CANG maintenance yard. AFFF fire suppression tanks were observed inside the Guardian Jet Center Hangars. A shed to the northeast of Hangar 3 and the ancillary structure next to Hangar 4 were observed to have hazardous waste storage signs. Multiple drums and drains were located throughout the Site.

This assessment has revealed no RECs, controlled RECs (CRECs), historical RECs (HRECs), or *de minimis* conditions in connection with the Site except for those described below.

Recognized Environmental Conditions (RECs)

RECs are defined in the ASTM Standard as "*the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."*

This Phase I ESA has revealed no evidence of RECs in connection with the Site with the exception of those identified in Table 1 and on Figures 3 and 4. RECs identified in Table 1 are summarized on the following pages.

Parcel	Map Feature Number	Description	Explanation of REC
61W	1	**General Electric Hangar 4 Area** - This area has been indentified as part of the General Electric (GE) Leasehold and is also identified as Hangar 4. GE Engine Services Facility Equipment Report has record of permits (1980s and 1990s) for degreasers that used 1,1,1-trichloroethane (1,1,1-TCA), abrasive blasting, spray booths, amine (or DEA) regeneration, service stations for dispensing and storing gasoline, storage tank 1,1,1 - TCA, miscellaneous inorganic stripping, tank chemical milling, and canceled permits for gasoline storage tanks, fuel oil storage tank, jet engine test cell facility, degreaser 1,1,1-TCA, and tank surface preparation-other acids. According to a historical Phase I ESA for Hangar 4, a septic tank/leach field was utilized from approximately 1956 to 1990, when the building was connected to a sanitary sewer system. The historical septic tank/leach field location has not been identified and closure or sampling data is not available (Mactec, 2003). Waste removed from GE in 1993 reportedly included spent batteries, waste water pretreatment sludge, aluminum oxide grit residue, oil soaked materials, epoxy resin, corrosive mixtures, flammabile liquid, soil contaminated with Stoddard Solvent (likey from UST removal), medal oxide powder, fiberglass with bentonite, RCRA empty drums contaminated with solvents, soil contaminated with jet fuel (likely from UST 11 removal), water and jet fuel, bulked solvents, solvents, waste oil, 1,1,1-TCA distillation sludge, bottom sludge from cooling tower, "Poison B liquid", oil-soaked materials, machine coolant.	Historical use, including the use of chlorinated solvents as well as storage and dispensing of fuel in the vicinity of the GE Leasehold througout the 1980's and early 1990's was likely to have released contaminants to the environment. Historical use of this area is indicative of a release to the environment and is considered a REC.
		Hangar 4 (Outside): Hangar 4 is constructed of corrugated steel (with flaking paint), steel framing, roll up and sliding doors. A truck scale is located north of the hangar. A maintenance/storage shed is located in the northwest corner of the building that is surrounded with a chain-link fence. Electrical transformers/substation is located west of the hangar. An asphalt patch was observed that contained a sewer vault west of the hangar. Fire supression piping and valves are located west of the hangar and east of a chain-linked fence.	It is GSI's experience that historical maintenance/storage sheds can often store leaking and damaged equipment that release contaminants to the environment. This area is considered part of Hangar 4. Historical use of this area is indicative of a release to the environment and is considered a REC.
		Hangar 4 (Inside): Furniture and office equipment storage, Delcrete/Delpatch-5 gallon buckets (x3), a large electrical box, fire hoses, Flynn scales, fire extinguishers, ash trays, and pallets of leaking of 5 gallon buckets were observed. Buckets: BioSolve pink water (56, 5-gallon capacity; several leaking); AMEREX BC Purple K dry chemical (9, 5-gallon capacity; several leaking); Winsol (13, 5-gallon capacity) containing fire supression "training foam"; Blue Stx adhesive (1, 5-gallon capacity; one leaking); MET LX (7, 5-gallon capacity), Super Market Wax Stripper (8, 5-gallon capacity), American Traffic Products Inc.-red fast dry paint (1, 5-gallon capacity), Ennis paint-white traffic paint (1, 5-gallon capacity; 7 empty), Ecomate MTC degreaser (1, 5-gallon capacity). The buckets containing fire suppression chemicals may contain PFAS.	GSI observed release of chemicals to the environment from multiple stored chemical buckets, including buckets that may contain PFAS chemicals that are commonly used in AFFF fire suppression foam. This area is considered part of Hangar 4. Observed release to the environment is considered a REC.
		Hangar 4 Inside Haz Storage Building (61W-23): A hazardous waste storage label was located on the exterior door to the hangar. Observations include: an empty flammable liquid cabinet, Genlabs Lemon Cleaner (1, 5-gallon capacity), traffic paint buckets (9, 5-gallon capacity), International Coatings Traffic Paint (32, 5-gallon capacity), overhead fire suppression system (water only), light bulbs, wood pallets, electronics, electrical meters, fuse boxes, circuit boards, a portable eye wash, station, an empty 55-gallon drum labeled 1A2/Y1.2/100, 2 pallets full of cleaning supplies (approximately 72 boxes), cleaning pads and sweepers, and overhead lighting.	This area is considered part of Hangar 4. It is GSI's experience that historical drum storage areas are indicative of sources of contaminant release to the environment. Historical use of this area for hazardous waste storage is indicative of a release to the environment and is considered a REC.
61W	10	**Hazardous waste storage structure:** Concrete slab with concrete secondary containment berm, concrete ramp leading into the containment area, chain-linked perimeter fence, central floor drain, and corrugated steel roof. Several concrete patches (possibly former boring/sampling locations) observed in the conrete slab near the floor drain, and several outside the hazardous waste storage structure. A hazardous yard and EHS sticker was observed on the window of a storage shed located northwest of the hazardous waste storage structure.	It is GSI's experience that historical hazardous waste storage buildings often have stored damaged containers that release contaminants to the environment are indicative of sources of contaminant release to the environment. This structure has a drain located in the middle of the concrete slab, which may have provided a direct path to the subsurface for any hazardous waste that was released within the structure. Historical use of this area for hazardous waste storage is indicative of a release to the environment and is considered a REC.
61W	10	**Second storage awning:** Concrete slab with concrete secondary containment berm, desk supplies, e-waste, office furniture, computer equipment, a water dispenser unit, printers, ink cartridges, keyboards, fluorescent light bulb housing, water bottles and a mini-fridge. A 1993 figure from SBFD agency records identifies this area as the "Expanded Drum Storage Area (HWMU No. 5)"	This drum storage area was identified as a Hazardous Waste management Unit (HWMU) in historical documents. It is GSI's experience that historical drum storage areas are indicative of sources of contaminant release to the environment. Historical use of this area for hazardous waste storage is indicative of a release to the environment and is considered a REC.
61W	17A	**Hangar 5** - Hangar 5 was historically utilized to repair, overhaul, and clean jet engines and parts. Routine inspection records from the SBFD and DTSC in 2005 identified several violations. Photographs of the violations included oil spillage around a grinding machine and oil leakage around a machine in the Machine shop. Large pit in northwest corner of Hangar 5 containing floor drain.	It is GSI's experience that facilities utilized to repair and clean parts are often sources of contaminant release to the environment. Historical records have identified poor housekeeping with chemicals spilled to the ground surface. Historical use and documentation of relase to the environment is considered a REC.
61W	23	**Hazardous Waste Storage Building -** Included in 61W-1	See 61W-1
61W	24	**Maintenance/storage Shed** - Included in 61W-1	See 61W-1
61W	26	**Hazardous Waste Storage Area** - Historical reports identified that this area was used for hazardous waste storage. There was no access to this area as it is leased (part of 61W-15). What appears to be a hazardous waste storage area was observed northwest of the building. This shed is covered and is constructed out of corrugated steel (painted).	A hazardous waste storage area was identified in historical reports, but was not observed during the Site Reconnaissance. It is GSI's experience that historical hazardous waste storage buildings often have stored damaged containers that release contaminants to the environment. Documented historical use of this area for hazardous waste storage is indicative of a release to the environment and is considered a REC.

Parcel	Map Feature Number	Description	Explanation of REC
61W	29	**Historical AST and Waste Treatment Area** - This building is located northeast of Hangar 11 and feature 61W-28. Reportedly the location of former GE office space constructed of corrugated steel. No access during the Site reconnaissance. Secondary concrete enclosures were located to the north and east of the building where ASTs were formerly located. One of the enclosures is currently labeled "T23 containment area." Documents identify One 50,000-gallon rinse water storage tank, one 2,000-gallon H_2SO_4 AST and one 3,000-gallon KCL. A 1995 inspection includes a drawing that identifies the ASTs and layout of the area. A sump was present within the building and waste was piped to a treatment and containment area. Waste types treated included waste water from the oil-water separator at the test-cell facility and waste water from tanks at the cleaning line and steam cleaning units located at he EHS department and at Hangar 11. The wastewater treatment system was removed in 2006.	A historical AST and waste treatment area was identified in historical documents but the ASTs were not observed during the Site Reconnaissance. It is GSI's experience that historical ASTs and the associated waste treatement area could be a source of contaminant release to the environment. Documented historical use of this area for waste and the presence of a sump is indicative of a release to the environment and is considered a REC.
61W	30	**Hangar 1** - Corrugated steel (painted) containing air conditioning units, and rolling track hangar doors retrofitted to rollup doors. Large leaking portable airplane hydraulic lifts located outside Hangar 1 and next to a large concrete pad (61W-36). Shed next to the hangar has a "no smoking" and fire extinguisher sign and a concrete perimeter slab containing a berm. Observed in the hangar are a water heater, overhead power and HVAC, a possible drainage sump with missing grates on top in the northeast corner, two long floor drains near the room with sump, electrial rooms, and a room containing an overhead crane in the northwest corner. An inspection report from SBFD from 5 October 2005 indicates that drums of used oil, waste fuel, oily rags, used oil filters, and used absorbent were present on the Site. An inspection report from SBFD from 6 October 2006 indicates the following: cleaning line room: dark purplish color staining from J-88 Cleaner (contains potassium permanganate); concrete beneath Versene cleaning tank (acid) had some corrosion; previous storage locations for T-20 and T-21 - permanganate staining. The report	This area has histirically been used for hazardous waste storage, and evidence of relase to the environment has been identified. A sump is present in the vicinity of the area of release. It is GSI's experience that historical sumps and drains often funnel waste and contaminants and release contaminants to the environment, and the presence of hydraulic oil leaking from equipment in the area is indicative of a release to the environment and is considered a REC.
61W	30	**4 Garages North of Hangar 1** - The garages are constructed of corrugated steel containing rollup doors. An overhead crane was present. The garage contains floor drains and may be connected to a sump feature associated with Hangar 1 (61W-30). There appears to be a patch around center and western garage. Steam cleaning room: contained grit blast machine used to clean parts (waste collected in baghouses and stored), drum-rinsing area (waste water collected and pumped to T-23). Photographs of the steam cleaning room and drum rinsing area are included in a 2005 Hazardous Waste Generator and Hazardous Materials handler Inspection	It is GSI's experience that parts cleaning equipment and drum rinsing area and associated sump are indicative of a release to the envionment and are considered a REC.
61W	32	**Building 5 - Structure 4:** Batteries, scissor lifts, golf carts, a leaking aircraft cart, a power pack cart leaking oil, 3 totes of empty lubricant oil in the back of a golf cart, an anti-freeze container open with contents inside, file boxes, portable airplane hydraulic repair lifts, stands, welders, and aviation electronic equipment.	The observed release to the environment of hazardous substances or petroleum products is a REC.
61W	32	**Building 5 - Outside storage area:** A continuation of the inside contents. Trailers, portable airplane hydraulic repair lifts, ducting, crane lifts, airplane equipment, batteries, possible oil tank trailer, and Air Force portable air conditioner trailers with air compressors inside.	The observed release to the environment of hazardous substances or petroleum products within Building 5, Structure 4 is a REC.
61W	37	**Historical USTs** Historical documentation identifies this as the approximate historical location of USTs: -One (1) 8,000-gallon stoddard solvent UST (UST 1) -One (1) 8,000-gallon stoddard solvent UST (UST 2) with oil/water separator.	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and are inidicative of a release to the environment. The historial presence of USTs with no closure documentation is a REC.
61W	38	**Historical USTs-** Historical documentation identifies this as the approximate historical location of USTs: -One (1) 8,000-gallon calibration fluid UST (UST 3) -One (1) 3,000-gallon calibration fluid waste UST (UST 4)	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and are inidicative of a release to the environment. The historical presence of USTs with no closure documentation is a REC.
61W	39	**Historical USTs-** Historical documentation identifies this as the approximate historical location of USTs: -One (1) 6,000-gallon gasoline UST (UST 5) -One (1) 6,000-gallon diesel UST (UST 6) -One (1) 6,000-gallon diesel UST (UST 7)	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and are inidicative of a relese to the environment. The historial presence of USTs with no closure documentation is a REC.
61W	40	**Historical USTs-** Historical documentation identifies this as the approximate historical location of USTs: -One (1) 250-gallon calibration fluid waste UST (UST 8)	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and release contaminants to the environment.
61W	41	**Historical USTs-** Historical documentation identifies this as the approximate historical location of USTs: -One (1) 6,000-gallon calibration Fluid UST (UST 9) excavated and removed in 1992. -One (1) 2,000-gallon calibration fluid waste UST (UST 10)	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and are inidicative of a relese to the environment. The historial presence of USTs with no closure documentation is a REC.
61W	43	**Historical USTs -** Historical documentation identifies this as the approximate historical location of "Tank 12 and Tank 13 (removed)" was identified during this investigation. SBCFD records include "Figure 1" identifying "Underground Storage Tank Locations." Historical documentation identifies 14 USTs total in the area.	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and are inidicative of a relese to the environment. The historial presence of USTs with no closure documentation is a REC.
61W	44	**Historical USTs-** Historical documentation identifies this as the approximate historical location of "Tank 14 (removed)". No additional information was identified during this investigation,	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and are inidicative of a relese to the environment. The historial presence of USTs with no closure documentation is a REC.

Parcel	Map Feature Number	Description	Explanation of REC
61C	4	**Historical Clarifier with Wash Racks and Surface Staining -** Concrete pad with former tracks for sliding doors to possibly a small former aircraft hangar. Drainage channel around the concrete pad (former wash rack) with red staining and the outline of ASTs. Nearby drain inlet may be connected to a possible 3-stage clarifier.	It is GSI's experience that clarifiers and wash racks are known to leak contents to the subsurface and impact the vadose zone with petroleum products. Additionally, red staining indicates that fire retardent was released to the environment from historical ASTs. An observed release to the environment and conditions indicative of a release to the environment are a REC.
61C	8	**Historical Clarifier-** Possible former clarifier. A long trench appears to extend from a drain inlet that it may have been connected to.	It is GSI's experience that clarifiers are known to leak contents to the subsurface and impact the vadose zone with petroleum products or other waste. The former presence of the clarifier is indicative of a possible release to the environment and is a REC
62	2	**Historical Clarifier-** Historical documents and Site reconnaissance identified a four stage clarifier to the north of 62-8. SBFD records from 23 October 2002 indicate that the "sumps" were tested and "spill boxes - visual fail due to extreme rust and corrosion as per inspectors orders".	It is GSI's experience that clarifiers are known to leak contents to the subsurface and impact the vadose zone with petroleum products. Evidence of rust or corrosion to the clarifiers indicates that these may have released contaminants to the environment. The presence of a clarifier is indicative of a release to the environment and is a REC.
62	5	**Guardian Jet Center East** - Corrugated steel and stucco structure containing a concrete slab. Office space, a reception desk, restrooms, kitchen, and conference room are present within the northern portion of the hangar. Inside the hangar were a machine shop, Amazon aircraft pods, propane bottles, tools, air compressor, circuit breakers, a water heater, oil cans, and an IT room. Within the northwestern portion of the hangar and adjacent to the office space were an above ground AFFF-fire supression tank and three, 250-gallon capacity Ansulite totes that contain AFFF. The	It is GSI's experience that AFFF Fire Suppresssion chemicals and equipment may release PFASs to the environment. The observation of fire suppression equipment is a condition indicative of a release to the environment and is a REC.
62	8	**Guardian Jet Center (southern building)** - Corrugated steel structure, concrete slab, floor drains, overhead fire water lines connected to an AFFF fire supression system, overhead electrical, and floor drains. The hangar is used for storage and maintenance. Other observations include a sand blast machine, six (6) oxygen tanks, four (4) oil drums (for waste and Jet-A), one (1) drum containing a gasoline label and one (1) drum containing an oil label - both partially filled. Used oil filters and absorbant pads present on the lid of the drums (not contained). Other features include a fammable container locker, grease guns, absorbent on the ground, a nitrogen tank, a jet oil cabinent with oil and filters, and a poly drum with unknown liquid is full. One AFFF fire suppression system above ground storage tank, a portable fire extinguisher, a motorized hangar doors, and 4-deep cycle batteries. The AFFF suppression tank contains a label indicating a construction date of 1988. Staining/residue present on the outside of the tank. Batteries contained inside a plastic box, a lavatory service cart, and shop sinks with household cleaners and a washing washine also were observed. One storage room was located upstairs containing computer equipment/parts, files, empty boxes, packaging, printers, office furniture, and aircraft tires. Fire supression piping inside the upstairs room appears to have leaked from fittings onto plywood flooring. Office space is located along the west side of the hangar. The office spaces contain a restroom, a storage room, an IT room and empty storage room.	Unmarked drums, drums that were missing screw caps, used oil filters, general staining on the foor, and staining on the AFFF AST were observed at the Site. It is GSI's experience that AFFF Fire Suppresssion chemicals and equipment will release PFAS to the environment and generally poor housekeeping is a source of impact to the enviroment. The observation of fire suppression equipment as well as generally poor housekeepig in the vicinity of waste storage are conditions indicative of a release to the environment and considered a REC.
62	9	**Historical Clarifier -** Historical documents and Site reconnaissance identified a four-stage clarifier to the south of 62-8. SBFD records from 23 October 2002 indicate that the "sumps" were tested and "spill boxies - visual fail due to extreme rust and corrosion as per inspectors orders"	It is GSI's experience that clarifiers are known to leak contents to the subsurface and impact the vadose zone with petroleum products. Evidence of rust or corrosion to the clarifiers indicates that these may have released contaminants to the environment. The presence of a clarifier is indicative of a release to the environment and is a REC.
62	13	**Former Beechcraft West Fuel Farm where seven USTs were historically located** - Currently a large gravel patch at the southern border of the UPS parking lot (62-15). Historical documents identify the former Beechcraft West fuel farm at the southern border of 2161 East Avion. The fuel farm contained seven USTs with a capacity of 88,000 gallons. The USTs were reported to have been removed in May 2013. Soil samples collected during the excavation were all non-detect except for the samples collected beneath UST T7. Hydrocarbon odors and stained soil were noted in the samples. The area under the UST was excavated to a depth of 21 feet with lateral dimensions of 10 feet by 7 feet, until stained soil was no longer visible. It was	Some remaining impact appears to have been left below the area of UST T7. No closure documents were identified during this investigation. The removal of USTs without closure documentation and documented impact remaining in the subsurface beneath a former UST is a REC.
68	2	**Historical Clarifier and Wash Rack -** A former wash rack containing a large concrete pad and former drain inlet were observed. The drain inlet appears to be backfilled and may have been connected to a former clarifier to the south.	It is GSI's experience that clarifiers and wash racks are known to impact the subsurface with the chemicals washed from equipment. The presence of a wash rack and potential clarifier is indicative of a release to the environment and is a REC.
68	6	**Historical USTs** - Two rectangular concrete pads separated by a gravel field were observed. The southern most patch is next to a panel labeled "control switch for north east floodlights is located at N.E. corner of fuel dump fence." A 1995 UST Closure Report (El Capitan) indicates that the USTs were removed, and impacted soil was excavated and removed. Confirmation samples from the USTs and fueling pad area were collected and "no further action" was recommended for the former USTs. However, no documenation of regulatory closure of the UST area was identified	The USTs were closed and no further action was recommended. However, no documenation of regulatory closure of the UST area was identified during this investigation, so this area is considered a REC.
68	7	**Historical USTs** - The Site reconnaissance and historical documentation identifies a large gravel area near 68-6 which is a former UST area that has been backfilled. A 1995 UST Closure Report (El Capitan) indicates that the USTs were removed, and impacted soil was excavated and removed. Confirmation samples from the USTs and fueling pad area were collected and "no further action" was recommended for the former USTs. However, no documenation of regulatory closure of the UST area was identified during this investigation.	
68	12	**Historical Autoshop and Fire House -** A former Autoshop (1997) and Fire House (2001) - The building is constructed of concrete (painted), containing a concrete floor slab.	Although documented use of Fire Suppresion chemcials was not observed during the reconnaissance, it is GSI's experience that Fire Suppresssion chemicals are a source of contaminant release to the environment. The observation of fire suppression equipment is a condition indicative of a release to the environment and is a REC.

Parcel	Map Feature Number	Description	Explanation of REC
68	17	**Boiler room** - Construction materials appear to be brick exterior walls and a concrete floor slab. The boilers appear to have been constructed in 1952 (placard present). Other equipment/materials observed in the boiler room include a hot water tank, electrical main circuit breaker, air compressors, a water heater, and associated electrical panels and plumbing for the boilers. A waste oil drum (<55-gallon capacity) with a secondary containment drip pan is present. The drip pan appears to contain oil. An additional 55-gallon capacity drum (appears to be full) and 5-gallon capacity bucket (1/3 full) were present. A larger blue drum (approximately 85 gallons) is 1/4 full that is connected to an "ultrafilter" system.	An observed leaking waste drum located within a containment drip pan is representative of historical use and indicative of release to the environment and is a REC.
68	20	**Historical USTs -** A 1995 Report (El Capitan, 1995 - Figure 3) indicates that one UST was removed from this area. However, a 2001 Phase I ESA (CTL Environmental Services) indicates that two USTs were located in this area and the second UST was not identified. A backfilled asphalt patch is located to the west of the boiler room. This is the location of a possible former diesel UST. A trench connects to this patch from 68-25. A 1995 UST Closure Report (El Capitan) indicates that these USTs were removed, and impacted soil was excavated and removed. Confirmation samples were collected and "no further action" was recommended for the former USTs. However, no documenation of regulatory closure was identified during this investigation. In adddition, a 2001 Phase I ESA indicates that a second UST was present in this area and was not accounted for during the removal of the USTs.	The USTs were closed and no further action was recommended. However, no documenation of regulatory closure of the UST area was identified during this investigation. In adddition, a 2001 Phase I ESA indicates that a second UST was present in this area and was not accounted for during the removal of the USTs. The potential presence of a remaining UST as well as the lack of documented closure for the UST that was removed in this area is a REC.
68	22-1	**Historicial Clarifier -** Building #1 contains block walls, HVAC system, a collapsed roof, deteriorated wood roof, and a concrete floor. There are five rooms within the building and a possible clarifier located south of the building.	It is GSI's experience that clarifiers are known to leak contents to the subsurface and impact the vadose zone with petroleum products or or other waste. The former presence of the clarifier is indicative of a release to the environment and is a REC.

Controlled Recognized Environmental Conditions (CRECs)

CRECs are defined in in the ASTM Standard as *"a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. (for example, property use restrictions, or engineering controls)."*

This Phase I ESA has revealed no evidence of CRECs in connection with the Site with the exception of those identified in Table 1 and on Figure 3. CRECs included in Table 1 are summarized below.

Parcel	Map Feature Number	Description	Explanation of REC
61W	8 and 42	**Historical USTs with Removal documentation-** Historical documentation identifies this as the approximate historical location of USTs: -One (1) 2,000-gallon Jet A UST (UST 11) excavated and removed in 1992.	Dames and Moore (1992) collected samples during UST removal and identified Jet-A fuel impacts that decreased with depth to the total depth of the excavation of 14 feet. A 2 April 1992 letter from the County of San Bernardinno EHS indicates that UST 11 was removed and soil impacted with Jet-A was identified to attenuate to a depth of 14 feet bgs. It appears that the impacted soil was left in place and the SBDEH noted that it was "unlikely that existing contamination poses a threat to the local evironment." Additional reference to the "excavation of the Calibration Fluid" notes that the actual extend of affected soil "will be more thoroughly defined after removal activities recommence for Tank 9 and the adjacent Tank 10 (also containing Calibration Fluid)." The remaining impacted soil with documented approvel from SBDEH is a CREC.
61W	42 and 8	Same as 61W-8	Same as 61W-8

Historical Recognized Environmental Conditions (HRECs)

HRECs are defined in in the ASTM Standard as *"a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, or engineering controls)."* [1]

This Phase I ESA has revealed no evidence of HRECs in connection with the Site.

De minimis Conditions

De minimis conditions are defined in in the ASTM Standard as: *"a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions or controlled recognized environmental conditions."*

This Phase I ESA has revealed no evidence of *de minimis* conditions in connection with the Site with the exception of those identified in Table 1 and on Figure 3. De minimus conditions identified in Table 1 are summarized below.

Parcel	Map Feature Number	Description	Explanation of de minimus Condition
Site-Wide	Site-Wide	**Historical Agriculture -** According to documented history of the Site, until the mid to late 1950's the Site was primarily agricultural with some vineyards.	Pesticides and arsenic are often present in shallow soil at properties that have documented historical agricultural practices. As the Site will remain paved and residential use of the Site is not planned, the potential for these contaminants of concern in shallow soil is unlikely to be the subject of an enforcement action if brought to the attention of appropriate governmental agencies and is considered a *de minimus* conditon.
61W	11	**Hanger 3** - Constructed of painted corrugated steel, epoxy coating on the roof, a concrete slab, trench drains in front of the roll-up doors, transformers, a fire line, fire exinguishers, overhead lighting and HVAC, restrooms, false walls, water heaters, a 5 gallon paint bucket, a circuit board, a server room, and broken glass windows. Historical records identify this building as the former "Machine Shop and Heat Treat" (Canonie Environmenta, 1993).	It is GSI's experience that machine shops are often sources of contaminant release to the environment, however, the Site reconnaissance did not identify anything that would be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. As such, the historical use of Hangar 3 is considered a *de minimus* conditon.
67	5	**Shooting Rage** - Historical documents identify that the area around Parcel 67 and 68 included a skeet shooting range in the mid-1940's.	Shooting ranges are often sources of subsurface impact to soil from metals such as lead. However, the location of the shooting range was not identified during this investigation and the entire area is covered with concrete and asphalt. As such, the historical use of the area as a shooting range is subject of an enforcement action if brought to the attention of appropriate governmental agencies and is considered a *de minimus* conditon.

Conclusion and Opinion

GSI has evaluated the information collected during the course of this Phase I ESA. Historical Site use indicates the presence or likely presence of hazardous substances or petroleum products that are indicative of a release to the environment at several areas across the Site. It is GSI's understanding that the potential redevelopment of the Site will likely include demolition of existing structures and excavation of shallow vadose zone soils prior to redevelopment of the of the Site. As such, it is GSI's opinion that a baseline understanding of the existing subsurface conditions will be necessary to assess the potential risk to human health in the proposed structures, and to document the conditions present at the Site prior to Site redevelopment and reuse. In addition, a

[1] If the Site has received closure in the past, but a review of the closure information indicates that Site conditions do not meet unrestricted/residential land use standards, the Site is no longer considered an HREC, and must be identified as a REC.

Soil Management Plan (SMP) should be implemented during Site redevelopment as a best management practice.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Magellan Airport Cargo Distribution Center
97-Acre Portion of the Ontario International Airport, Ontario, California

1.0 INTRODUCTION

This Phase I environmental site assessment (ESA) was conducted to fulfill American Society for Testing and Materials (ASTM) International, Inc. Standard E 1527-13, Standard practice for Environmental Site Assessments (ESAs): Phase I Environmental Site Assessment Process (ASTM Standard) and the EPA Standards and Practices for All Appropriate Inquiries ([AAI] 40 CFR Part 312) for the property identified below (Site; Figures 1 and 2).

SITE IDENTIFICATION	
Name:	Proposed 97-Acre Project Magellan Airport Cargo Distribution
Address:	97-Acre Portion of the Ontario International Airport
City:	Ontario
County:	San Bernardino County
State:	California
Assessor Parcel Number(s):	Parcel 61: 011326106 (approximately 48 acres) Parcel 62: 011326107 (approximately 21 acres) Parcel 63: 011326108 (approximately 2 acres) Parcel 67: 011327101 (approximately 12 acres) Parcel 68: 011327102 (approximately 14 acres)

1.1 Purpose of the ESA

The purpose of the ESA was to identify Recognized Environmental Conditions (RECs) as defined in the ASTM Standard. It is our understanding that this Phase I ESA has been solicited as part of environmental due diligence activities in connection with the land lease and redevelopment of the Site.

1.2 Significant Assumptions

Significant assumptions include the following:

- During the Site Reconnaissance, several unknown patches were observed throughout the Site. Due to the quantity and size of the Site, these unknown patches are assumed to be a result of historical airport maintenance and improvements and are assumed to not be a threat or future threat to the environment.
- Based on the age of the buildings and features observed during the Site Reconnaissance, it is assumed that asbestos-containing building materials (ACBM), and lead-based paint are present throughout buildings at the Site.
- In many cases, records that were obtained from agency sources or historical reports did not include detailed figures or included figures that were either scaled too large or without details to accurately identify sampling locations. As such, the locations of some features were estimated based on correlating descriptions with observations during the reconnaissance. As a result, it was not possible to positively identify or match several of the identified features in the historical reports.

1.3 Limitations

GSI has completed this Phase I ESA in accordance with generally accepted environmental property assessment practices applicable at the time and location of the assessment. This Phase I ESA is not and should not be construed as a warranty or guarantee, expressed or implied, regarding the presence or absence of environmental contaminants that may affect the Site. All findings, opinions, and conclusions reported in this Phase I ESA are based on conditions and available information existing at the time of the assessment. No independent verification of the information provided to GSI was made. While GSI has no reason to doubt the accuracy of the information provided, this report is accurate and complete only to the extent that information provided to GSI was itself accurate and complete. Site conditions and regulations (local, state, tribal, and federal) can change over time. Therefore, changes in Site conditions, available information, and/or regulations may alter the findings, opinions, and conclusions of this Phase I ESA.

1.4 Non-Scope Considerations

Non-scope considerations include environmental issues or conditions that may warrant additional assessment but are outside the scope of the ASTM Standard. Environmental issues that are considered non-scope considerations are summarized in the ASTM standard and include but are not limited to; ACBM, indoor air quality, lead-based paint, mold, and radon. GSI was not retained to evaluate non-scope considerations as part of this ESA.

1.5 User Reliance

This report and all related correspondence have been prepared exclusively for use by Mr. Winters and may not be relied upon by any other person or entity without the express written permission of GSI and Mr. Winters. Without express written permission of both GSI and Mr. Winters, no third parties shall have any rights of recourse or recovery under course of action against GSI, its officers, employees, subcontractors, vendors, or successors.

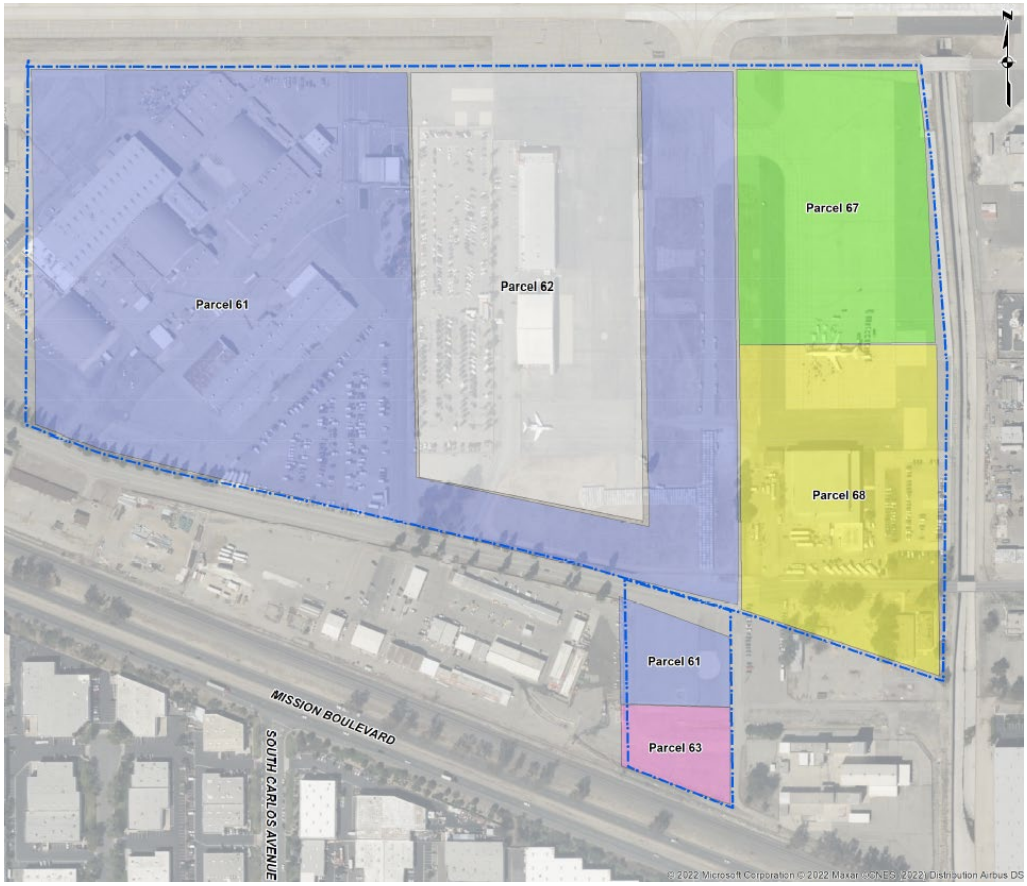
2.0 SITE DESCRIPTION

GSI contracted with Environmental Risk Information Service (ERIS) to compile a physical setting report (Appendix A) that was used in combination with information obtained during Site reconnaissance, historical document review, interviews with the Site owner representatives during reconnaissance, review of regulatory agency records, and review of prior Site reports provided to GSI (if applicable) to produce a description of the Site and its physical setting.

2.1 Current and Past Site Use

The Site is comprised of portions of five parcels on the Ontario Airport property.

- Parcel 61/APN 011326106 (approximately 48 acres)
- Parcel 62/APN 011326107 (approximately 21 acres)
- Parcel 63/APN 011326108 (approximately 2 acres)
- Parcel 67/APN 011327101 (approximately 12 acres)
- Parcel 68/APN 011327102 (approximately 14 acres)



Operations at the Ontario Airport began in 1921 when the Ontario Aircraft Corporation was organized. In 1929 it moved to a 30-acre parcel near the corner of Mission Boulevard and Grove Avenue in the southwestern corner of the final airport. In 1940 an additional 405 acres were added to the airport property. Until the mid to late 1950's the Site was primarily agricultural with some vineyards. In the 1940's some vineyards were removed to construct portions of the airport. The Ontario Airport was utilized in support of World War II and after the war it was returned to the City of Ontario.

2.1.1 Parcel 61 History

Hangars 1 through 5 exist on the western portion of Parcel 61. Hangars 1 and 2 were constructed in the late 1940's and in 1950 Northrop Aircraft Company reportedly began manufacturing operations in Hangar 1. Hangar 3 was constructed in 1951 and some time before 1953 Douglas Aircraft began operations in Hangar 2 or 3. In 1953 Hangar 4 was constructed and Lockheed Aircraft occupied Hangar 4 between 1955 and 1980. Hangar 5 is currently utilized for storage and administration. In approximately 1955, GE Engine Services, Inc. (GEES) moved operations to the Site and Northrop vacated the Hangar 1. GEES moved to Hangar 4 once Lockheed vacated the building in 1980. The former LAPD Emergency Vehicle Operations Course (EVOC) was previously located in the center of the Site along the western border of Parcel 62.

2.1.2 Parcel 62 History

This portion of the Site was primarily agricultural through the 1970s. In 1983 the main Hangar and office building were developed, and by 1987 the second Hangar was in use. By 1994 the

outbuilding maintenance area was constructed and put into service. A fuel farm existed on the southwestern corner of the Site and at least two clarifiers and a maintenance shop have been documented at the Site. The former LAPD EVOC was previously located in the center of the Site along the western border of Parcel 62. Between 2002 and 2008 Parcel 62 did not change significantly (CTL, 2008). Parcels 67 and 68 History

The area around Parcel 67 and 68 included a skeet range in the mid-1940's. The Ontario Air National Guard Station (ANGS) was located on Parcel 68 with ancillary structures to the south and east. From 1943 to 1948 the army maintained the area and in 1952 the 196th Tactical Air Support Group was assigned to Ontario Airport. The facilities were updated at this time and the operations included maintenance of aircraft vehicles, and aerospace ground equipment. In the 1950's, a Hangar, fire station, fueling station, and wash rack were constructed over the skeet range. A munitions bunker was constructed in the 1950s and later used by Lockheed in the 1990s for storage of ammunition and explosives. The 196th vacated the Site in 1983 and the 148th Combat Communications Squadron (CBCS) occupied the Site from 1984 through 1998. The ANGS was closed in September 1998.

2.1.3 Southern Parcels 61 and 63 Parcel History

The southern portion of the Site is comprised of small portions of Parcel 61 and Parcel 63. This location has been agricultural and utilized for parking. It includes a large storm drain outlet.

2.1.4 Parcels 67 and 68 Parcel History

Parcels 67 and 68 historically included the Ontario ANGS with ancillary structures to the south and east. In the 1950s, a Hangar, fire station, fueling station, and wash rack were constructed at the Site. In 1952, the 196th Tactical Air Support Group was assigned to the Ontario Airport. During this time, the facilities were updated, and operations included the maintenance of aircraft vehicles and aerospace ground equipment. A munitions bunker was constructed in the 1950s and later used by Lockheed in the 1990s for storage of ammunition and explosives. The 196th vacated the Site in 1983 and the 148th Combat Communications Squadron (CBCS) occupied the Site from 1984 through 1998. The ANGS was closed in September 1998.

2.2 Site Physical Description

SITE DETAILS	
Physical Description:	Large airport facility consisting of 24 buildings and Hangars, ancillary structures, and parking facilities. The Site is north of East Avion Street and to the west of the Cucamonga Creek.
Roads:	The Site is located along East Avion Street and ends before reaching the Cucamonga Creek channel. A small portion of the Site connects to South Hellman Avenue.
Parking Facilities:	The Site is utilized for parking large trucks, storage containers, planes, and employee's cars. The primary parking facilities are next to the Ontario International Airport Authority Offices, Guardian Jet Center Hangars, and UPS parking lots. A ramp space on the eastern side of the Site is also used to park planes on.
Site Zoning:	Airport and Industrial
Vicinity Zoning:	Industrial
Site Size (acres):	97 acres
Current Property Use:	Airport maintenance, storage, administration, and filming.
Surface Drainage Direction:	Towards storm drains located on the Site, and then southeast towards the Cucamonga Creek on the eastern side of the Site.

BUILDING DESCRIPTION – Parcel 61	
Number of Buildings:	Fourteen buildings and ancillary structures present.
Building Age:	The first two Hangars were built between 1938 and 1958 based on aerial photographs. The third Hangar was built between 1948 and 1952 based on aerial photographs. Ancillary buildings next to Hangar 1 were built in 1953 based on USGS Topographic maps. According to aerial photos and USGS topographic maps, between 1953 and 1960, the fourth Hangar and ancillary structures next to Hangar 2 are built. Based on aerial photos, between 1960 and 1966 more ancillary structures next to Hangars 1 and 2 are built, including 61W-18 and 61W-22. Between 1966 and 1974 building 61W-32 was built to the north of Hangar 1, according to aerial photographs. Between 1977 and 1980, the large administration building was built and then expanded to connect to Hangar 2 between 1980 and 1985, according to aerial photos.
Building Details	Most buildings were observed to be vacant or used for storage and filming purposes. Building 61W-17 is connected to 61W-18 and the Ontario International Authority Offices building. Buildings 61W-14 and 61W-16 were observed to be connected. Buildings 61W-30 and 61W-22 were also connected.
Basements:	None.
Building Square footage:	Hangars 1, 2, and 3 are approximately 24,000 sf (sf). The large building connected to Hangar 2 is approximately 78,000 sf. The small building connected to the south of Hangar 2 (61W-18) is approximately 6,000 sf. The building to the east of Hangar 2 (61W-20) is approximately 6,500 sf. The structure to the south of Hangar 1 (61W-22) is approximately 27,500 sf. The building to the north of Hangar 1 (61W-32) is approximately 27,000 sf. Hangar 4 is approximately 70,000 sf. The air museum (61W-13) is approximately 7,000 sf. The former N.D.T Lab (61W-16) is approximately 6,800 sf, and 61W-15 is approximately 2,850 sf. Building 61W-29 is approximately 3,000 sf.
Building Occupants:	Airport personnel.
Building Operations:	Airport offices, storage, maintenance, museum, filming.
Building Interior Hazardous Substance Use or Presence:	Leaking 5-gallon buckets of fire suppression chemicals inside Hangar 4 (61W-1). Hazardous Substance Storage building (61W-23). Cleaning sump inside Hangar 1.
Building Exterior Hazardous Substance Use or Presence:	Former USTs and ASTs. Hazardous Substance Storage awnings.
Other:	No access was granted inside of 61W-15, 61W-26, 61W-29, 61W-30A, 61W-30B.

BUILDING DESCRIPTION – Parcel 62	
Number of Buildings:	Two Hangars.
Building Age:	Guardian Jet Center East was built between 1981 and 1985 based on aerial photographs and USGS topographic maps. The southern Hangar was built between 1985 and 1994 based on aerial photographs.
Building Details	Each building was observed to be an airplane Hangar used for storage and maintenance of small planes with office spaces surrounding the main Hangar space.
Basements:	None.
Building Square footage:	The Guardian Jet Center East Hangar is approximately 38,000 sf. The Guardian Jet Center southern Hangar is approximately 21,000 sf.
Building Occupants:	Guardian Jet Center.
Building Operations:	Airplane maintenance and storage. Office spaces.
Building Interior Hazardous Substance Use or Presence:	AFFF suppression system. Petroleum products.
Building Exterior Hazardous Substance Use or Presence:	Clarifiers. Former wash rack with staining and drainage channel observed.
Other:	The former Beechcraft West fuel farm is located at the southern end of Parcel 62.

BUILDING DESCRIPTION - Parcel 63	
Number of Buildings:	None, the area is currently vacant.

BUILDING DESCRIPTION – Parcel 67	
Number of Buildings:	None, the area is currently used as a ramp space for airplanes to park on.

BUILDING DESCRIPTION – Parcel 68	
Number of Buildings:	Five buildings are present at the former National Guard Hangar. The former Cal Air National Guard maintenance yard contains three more buildings.
Building Age:	The former National Guard Hangar, the former Auto shop/Fire House, and boiler room next to the Hangar were built between 1953 and 1960 based on aerial photos and USGS topographic maps. The motorcycle shop was built between 1960 and 1966 according to aerial photos and USGS topographic maps. The ancillary structure to the west of the motorcycle shop was built between 1966 and 1977 according to aerial photos. The remaining buildings within the maintenance yard were built between 1960 and 1966 according to aerial photographs.
Building Details	All buildings were observed to be vacant and deteriorating besides the former Cal Air National Guard Hangar. The Hangar itself is used for filming purposes. A deteriorating U-shaped building surrounds the main Hangar that was formerly used for maintenance and operations.
Basements:	None.
Building Square footage:	The former National Guard Hangar is approximately 45,000 sf and the Auto shop/Fire House is approximately 2,500 sf. The motorcycle shop is approximately 5,000 sf. The boiler room and ancillary structure are approximately 1,000 sf each. The largest building in the maintenance yard is approximately 7,700 sf. The building directly east to that is approximately 4,000 sf. The largest building in the maintenance yard is approximately 7,700 sf. The building directly east to that is approximately 4,000 sf. The third building is approximately 3,000 sf.
Building Occupants:	Vacant.
Building Operations:	The former National Guard Hangar is used for filming.
Building Interior Hazardous Substance Use or Presence:	Boiler room contains petroleum products. Possible AFFF associated with former Fire House operations.
Building Exterior Hazardous Substance Use or Presence:	Former USTs. Historical clarifier.
Other:	Two sheds were present at the maintenance yard.

SITE UTILITIES	
Sewage:	City of Ontario
Electricity:	Southern California Edison Electric
Potable Water:	City of Ontario
Heating System:	Unidentified
Cooling System:	Unidentified
Gas:	Southern California Edison Gas
Other:	None

2.3 Surrounding Properties

SURROUNDING PROPERTIES	
Direction	**Address and Use**
North:	Runways used by the Ontario International Airport, former Southern Pacific Railroad tracks, airport terminals, parking lots, Prime Flight Aviation Services, Airline Cargo Hangars, commercial facilities
Northeast:	Car rental businesses, commercial facilities
East:	Dirt lot, Industrial and some commercial facilities, large warehouses (WAHCA UPS), UPS Airlines
Southeast:	Heavy industrial facilities
South:	East Ontario Metrolink, airport maintenance, industrial and commercial facilities
Southwest:	Heavy industrial, commercial facilities
West:	Guardian Jet Center, FedEx facilities, industrial and some commercial
Northwest:	Residential and commercial, car rental businesses, light industrial on airport grounds, FedEx facility

2.4 Geologic, Hydrogeologic, Hydrologic, and Topographic Conditions

The Site lies within the Chino Basin, a managed groundwater basin that supplies groundwater for municipal, industrial, and agricultural uses. The Chino Basin is an adjudicated basin, with water rights controlled by the Chino Basin Watermaster, in accordance with the Chino Basin Master Plan. The Inland Empire Utility Agency and the Chino Basin Watermaster manage the Chino Basin water supply through a network of stormwater management channels and percolation basins developed to enhance groundwater recharge. The Ely Basins, located southwest of the Site (Figure 1), are a component of this recharge system (Wood, 2019).

Groundwater elevations across the Site have historically ranged between 600 and 645 feet above mean sea level. From 1990 through around 2010, groundwater elevations were generally in a decline with a seasonal variation. Between 2010 and 2015, groundwater elevations increased about 15 feet. This increase is tribute to increased recharge and decreased municipal pumping in the vicinity of the Site. Since 2016, groundwater elevations appear to have stabilized. Groundwater flow direction is predominantly to the southwest near the Site and west-southwest downgradient of the Site.

The Site is located in the Upper Santa Ana Valley, which is bounded by the San Gabriel Mountains and the Cucamonga fault to the north, the Colton-Rialto fault to the east, the Puente Hills and Chino fault to the west, and the Chino Hills, Chino fault, and Santa Ana River to the south-southwest (CDWR, 2006). From the surface to approximately 45 feet below ground surface (bgs) are well graded sand with some fines and gravel. Sandy silt and silt are present beneath the Site

at depths between 45 and 57 feet bgs followed by grained sand to approximately 80 feet bgs (Burns & McDonnell, 2014). Based on observations during Alta's investigation, soil beneath the Site generally consisted of silty sand from the surface to depths explored (10 feet bgs) (Alta, 2020).

Based on the most recent groundwater monitoring data available for the General Electric (GE) Company – Jet Engine Test Cell Facility, located adjacent to the Site, depth to groundwater ranges between 229.61 feet and 265.27 feet below top of casing (TOC) with a groundwater flow direction to the southwest (Wood, 2019).

The Site is located approximately 910 feet above mean seal level (msl) according to the United States Geological Survey (Ontario) 7.5 Minute Topographic Quadrangle map. The Site and surrounding topography slope to the southeast. Surface drainage at the Site currently flows to the south towards catch basins which discharge into three drainage area channels, the West Cucamonga Channel Drainage Area, the Cucamonga Channel Drainage Area, and the Deer Creek Drainage Area. The water is then discharged into the Cucamonga Creek, located on the eastern border of the Site.

Groundwater in the Chino-San Bernardino Basin at the former Ontario ANGS is bounded by the impermeable rock of mountains and hills to the north, west, and south, the Rialto-Colton barrier fault on the east, and the San Jose fault on the northwest. Groundwater occurs primarily within the confined, permeable alluvial sediments interbedded with discontinuous lenses of fine-grained material. The water table in the area of the station is approximately 250 feet bgs and groundwater flow is generally to the west-southwest. Recharge occurs primarily at the northern margin of the basin via infiltration of runoff from the San Gabriel Mountains. Discharge occurs from pumping of wells for agricultural and municipal use and as outflow to the Santa Ana River (Earth Technology Corporation, 1993).

Soils at the former Ontario ANGS are of the Tujunga soil series, which are characterized as nearly level to moderately sloping (0 to 5 percent) soil that formed on alluvial fans in granitic alluvium. The surface layer, which can be up to 10 inches in thickness, is a slightly acidic, brown, loamy sand. The substratum, which can be up to 54 inches in thickness, is a pale brown, coarse sand that is slightly acidic. In some areas, the substratum is composed of gravel that may range from 0 to 30 percent by volume (Science & Technology, Inc. 1990).

Surface drainage is controlled by curbs, gutters and drain inlets and is discharged to the municipal storm drain system. Drain towards the south

SITE DATA	CURRENT AVAILABLE INFORMATION (with Source)
Depth to Groundwater:	229 to 265 below grade (Alta, 2020)
Closest Surface water:	Cucamonga Creek
Groundwater Gradient:	Southwest and west-southwest

3.0 SITE RECONNAISSANCE

A Site reconnaissance was performed on 20, 21, and 22 October 2021 to observe current Site conditions and identify and document potential notable environmental conditions. GSI representatives Vincent Robino and Erika Anderson were accompanied by Nicole Walker, Environmental Planning Manager for Ontario International Airport Authority (OIAA), Cedric Sampson, Airport Security Consultant, and Dan LeBouf of Guardian Jet Center on 20 October 2021. On 21 and 22 October, GSI representatives were escorted by Elisa Grey, Director of

Commercial Real Estate for OIAA, and David Becerril, OIAA Facilities Supervisor. Observations during the reconnaissance are summarized in the table below. Photographs taken during the Site reconnaissance are included in Appendix B.

Observations of Site conditions that may indicate the likelihood of an REC in connection with the Site are discussed in the following Sections. If the observation is indicated with a "yes", a summary of information related to that item is included below, with more detailed information included in Table 1.

GENERAL OBSERVATIONS	Unknown	YES	NO
Heating/Cooling System		X	
Hazardous Substances and Petroleum Products in Connection with Identified Uses		X	
Storage Tanks (current or removed)		X	
Wells (dry, irrigation, injection, monitoring, abandoned, etc.)		X	
Drains, Sumps, Clarifiers		X	
Odors		X	
Pools of Liquid	X		
Drums		X	
Hazardous Substance and Petroleum Products Containers (Not Necessarily in Connection with Identified Uses)	X		
Unidentified Substance Containers	X		
Air Emissions	X		
Equipment that may Contain PCBs		X	
Soil Stockpiles		X	
Pits, Ponds, or Lagoons (Site or adjoining)	X		
Stained Soil or Pavement		X	
Stressed Vegetation from Something other than Insufficient Water	X		
Solid Waste, Construction Debris, Trash Mounds		X	
Wastewater, Storm Water, Discharged Water	X		
Septic Systems or Cesspools	X		

Heating/Cooling System

Heating, ventilation, and air conditioning (HVAC) units were observed along the outside of the former National Guard Hangar, adjacent Motorcycle Shop, Hangar 1, Hangar 2, Hangar 3, and ancillary structures.

Hazardous Substances and Petroleum Products in Connection with Identified Uses

A shed to the northeast of Hangar 3 was identified as a hazardous waste storage shed. This structure was empty during the Site reconnaissance but contained a hazardous yard sign. Historical documents have also identified this location as a hazardous waste storage area. The ancillary structure next to Hangar 4 was observed to be a hazardous waste storage structure. A label on the sliding door read "hazardous waste storage." Flammable Material storage cabinets were observed throughout the three-day Site visit.

Storage Tanks

Historical documents identified and reported the removal of multiple ASTs and USTs. A 1990 Phase I ESA indicated that there were seven USTs associated with the Beechcraft West fuel farm. This area was observed on the Site reconnaissance to be backfilled with soil and gravel. A 1995 Underground Storage Tank Closure report identifies the removal of five USTs adjacent to the former National Guard Hangar. This area was observed to be backfilled with soil and gravel. Three concrete secondary containment structures were observed where aboveground storage tanks used to be held. A UST closure report from 1992 identified five USTs to the west of where the OIAA administration building is, two USTs to the north of Hangar 1 and its ancillary structures, one UST to the northeast of Hangars 1 and 2, two USTs to the southwest of Hangar 2, and one UST to the south of the current Air Museum. Two ASTs were observed in secondary containers inside a shed at the former CANG maintenance yard. AFFF fire suppression tanks were observed inside the Guardian Jet Center Hangars.

Wells

One ground water monitoring well box was observed at the former National Guard maintenance yard but was not accessed during the Site reconnaissance. Based on the figure from a 2021 Work Plan for Soil Vapor and Groundwater Investigation provided by Wood, the monitoring well is from the former GE Engine Services Test Cell facility and is a destroyed monitoring well (Wood, 2021).

Drains, Sumps, Clarifiers

Storm drains were present throughout the Site and water collected from the ground surface is expected to drain towards the Cucamonga Creek. Trench drains were present along the sliding/roll up Hangar doors as well as floor drains inside the Hangars, buildings, and storage sheds.

Multiple clarifiers were present at the Site. Historical documents confirm the presence of these clarifiers. A 1990 and 2001 Phase I ESA identified a 2-stage clarifier on the eastern side of the former National Guard Hangar (Encorp, 1990 & CTL, 2001). A 2008 Phase I ESA identified two clarifiers adjacent to the Guardian Jet Center Hangars (CTL, 2008).

Drums

Multiple drums were observed throughout the Site. A waste oil drum (<55-gallon) within a secondary containment drip pan was observed as well as a larger drum (approximately 85 gallons) inside the boiler room. A 55-gallon drum labeled EA-200 was observed inside a shed within the former maintenance yard. Four oil drums for waste and Jet-A fuel, two gas and oil drums with absorbent pads on top, and a poly drum with unknown liquid was observed inside the Guardian Jet Center southern building. An empty 55-gallon drum labeled 1A2/Y1.2/100 was observed inside the hazardous storage Hangar adjacent to Hangar 4. Two diesel 55-gallon drums and one 55-gallon waste coolant drum in secondary containers was observed inside Building 5.

Equipment that may Contain Polychlorinated Biphenyl (PCBs)

Based on the age of the existing buildings, it is possible that PCBs were used at the Site, including in electrical transformers. Based on a 1997 Phase I ESA conducted by Encorp, PCBs were identified in the lighting fixtures at the former National Guard Hangar. A 1990 Phase I by CDM recommended the sampling of soil around the former transformer pad near the Beechcraft West Fuel Farm for PCBs, as well as the sampling of soil at a former electrical box on the eastern edge of the National Guard lease area. However, no PCBs were reported. The observed exterior transformers did not show indications of spillage or staining during the Site reconnaissance.

Soil Stockpiles

Soil stockpiles were observed at the former National Guard maintenance yard.

Stained Soil or Pavement

Multiple locations across the Site were identified to have staining. A concrete pad with red staining was observed to the east of the Guardian Jet Center Hangars. Inside of the Guardian Jet Center southern Hangar, staining was identified around the AFFF suppression system. The large hydraulic jacks adjacent to Hangar 1 were observed to be leaking oil that had stained the asphalt underneath them.

Solid Waste, Construction Debris, Trash Mounds

The former National Guard maintenance yard was observed to contain stockpiles of cobbles, gravel, asphalt, and mixed contents from previous construction activities.

4.0 HISTORICAL INFORMATION

GSI contracted with ERIS to compile historical documents for the Site and surrounding area to develop an understanding of the history of the Site. The following historical data sources were compiled and are included in the Appendices:

- Sanborn fire insurance maps (Appendix C),
- United States Geological Survey (USGS) topographic maps (Appendix D),
- Aerial photographs (Appendix E), and
- City directories (Appendix F)

Historical Source	Available Dates
Sanborn Fire Insurance Maps (SFIM)	No SFIM were found for the Site or surrounding areas
USGS Topographic Maps (USGS)	Either 7.5- or 15-minute topographic maps were available for 1987, 1900, 1903, 1953, 1954, 1966, 1973, 1981, 2015. Most topographic maps available between 1897 and 1903 were large scale and do not provide detail to decipher changes in the Site use.
Aerial Photographs (AP)	Aerial Photographs were available from 1933, 1938, 1948, 1952, 1960, 1966, 1974, 1977, 1980, 1985, 1994, 2002, 2005, 2006, 2009, 2010, 2012, 2018, and 2020.
City Directories (CD)	City Directories are available for the years 1951, 1965, 1970, 1988, 1998, 2001, 2004, 2008, 2012, 2016, and 2020.

Historical Summary (SFIM, USGS, and AP)			
Year	**Source**	**Site Description**	**Adjacent Site Description**
1897, 1900 and 1903	USGS	Site is vacant with paved and unpaved roads intersecting with the Site. No detailed information is shown.	North: Railroad tracks spanning from the west to east, roads Northeast: Unpaved roads and paved roads East: Sparse buildings/tanks Southeast: Building and tanks, roads South: Two buildings, boundary line Southwest: Roads West: Tank, roads Northwest: Oil tanks/buildings, roads
1933	AP	The Site appears to be vacant.	Northeast: Vineyards, creek flows south East: Creek Southeast: Creek continues, vineyards Southwest: Orchards
1938	AP	No significant change. Potential watermark stain in the middle of the vacant Site.	Northeast: Creek mark has expanded, and vineyards have almost gone away East: Creek mark expanded
1948	AP	Development on the Site has occurred. Two airplane Hangars are present in the northwest corner as well as ancillary taxiways throughout the Site.	North: Runways developed Southeast: Partial loss of vineyards and grading of land West: Development of roadways/taxiways Northwest: Airplanes are present
1952	AP	Another airplane Hangar has been built next to the others.	Southeast: Further grading of the land and loss of vineyards
1953	USGS	Map identifies three large buildings in the northwest portion of the Site. Multiple ancillary buildings are present in the northwest corner of the Site, as well as the symbol for third-order or better elevation, with tablet of 916.	North: Continuation of the Ontario International Airport; landing strips, Southern Pacific Train track running from the west to east, San Bernardino Freeway under construction, airport runways, elevation of 933 labeled in middle of runways Northeast: Building labeled winery and surrounding compound of buildings East: water tanks, structures labeled Air National Guard Southeast: Creek, well, Mountain View School in the corner South: Pacific Union railroad tracks running from the southwest to southeast, Highway 60 running along the railroad, Ontario-Upland Sewage Disposal, wells, Grant boundary line labelled Southwest: Wells at southwest corner, vineyard West: Wells and tanks, ancillary airport structures Northwest: More buildings
1954	USGS	No Significant Changes	Northeast: Winery label gone
1960	AP	Another large building is present on the Site. A parking lot has been developed. Site grounds are further paved and developed for airplane use. A large taxiway was created in the northwest portion of the site where airplanes are parked. Ancillary buildings built in the southwest portion of the Site and northwest corner.	East: Multiple structures have developed Southeast: Orchard size has decreased; building present bordering the Site South: Structures present bordering the Site

1966	AP	Two small buildings are built next to the larger one seen in 1960 and more containers are parked in the southeast and northwest corners of the Site.	East: More structures built Southeast: More buildings present
1966	USGS	No Significant Changes. Elevation of 910 recorded on contour going through the Site.	North: Parking area identified, 2 lane and 3 lane freeway intersecting Northeast: Water tank in the corner, well, borrow pit, Percolation Basin East: Structures labeled Air National Guard, well, creek that flows down from Percolation Basin Southeast: More Wells South: Wells Southwest: Percolation basins, Wells, more structures present West: Structure labeled Fire Station, intermittent stream/river that leads to Percolation Basins Northwest: Factories, Air Museum labeled, school in northwest corner of map, San Bernardino Freeway no longer under construction
1973	USGS	Structures added to already existing buildings on the Site.	Northeast: Ponds located where Percolation Basin used to be East: Air national Guard Station, secondary highway South: Highway 60 running west to east across the bottom of the map, 60 removed from highway next to railroad tracks Southwest: Increase in buildings, possible athletic field West: Fire station, railroad, increase in buildings, well Northwest: Increase in buildings
1974	AP	No detailed information is shown.	No detailed information is shown
1977	AP	More activity on Site with an increase in cars or shipping containers parked. Dark, newly paved, rectangular area in the middle of the Site.	No significant changes
1980	AP	Another building added to the upper northwest corner on the Site.	East: Land has been graded Southwest: Buildings developed Northwest: More buildings developed
1981	USGS	No Significant Changes.	Northeast: Borrow pit removed, dry ponds, wells, water tank above San Bernardino Freeway West: Fire Station removed, levee around part of intermittent stream
1985	AP	The Site has added another building in the upper-middle part.	West: More structures added directly next to the Site
1994	AP	The Site has been further developed with another building added in the middle and paved pathways	East: More buildings developed Southeast: More buildings developed South: More structures developed Southwest: More buildings have been developed
2002	AP	More activity present at the Site.	Southeast: Land is further developed South: More structures have been developed Southwest: land has been further developed
2005	AP	Parking lot developed in southern most portion of the Site.	No Significant Changes.

2006	AP	No Significant Changes.	No Significant Changes.
2009	AP	Parking lot developed in middle of the Site. Small structure removed in the middle-southern part of the Site-staining is noted where structure was removed. Staining also present in southernmost parking lot.	South: Staining present at parking spaces bordering the Southernmost part of the Site Southwest: Staining observed on property next to the Site's main facilities
2010	AP	Parking lot removed from southern most part of the Site.	South: Faint staining still present Southwest: Faint staining still present
2012	AP	No significant changes, except for small structure in northwest corner removed.	No significant changes.
2015	USGS	No detailed information is shown.	No detailed information is shown.
2018	AP	Increased activity on Site. Parked containers especially present in the middle of the Site.	South: Increased activity on surrounding structures-staining possibly covered by parked cars and containers Southwest: Old stain has darkened, and new stain has developed next to it
2020	AP	Continued increase in activity with cars replacing parked containers in the middle of the Site.	South: Faint staining is visible Southwest: Old stain is still present and new stain has been covered by parked containers

City Directory Listings Summary for Surrounding Properties

- **1049 South Vineyard Avenue:** US Agriculture Forest Air (1988), American LA France-Los Angeles (2004), Aircraft Service International (2008), Aircraft Service International Group (2008), American Lafrance (2008), ASIG-airport services (2008), ASIG-whole petroleum products (2008), ASIG-Aviation Fuels (2012), Aircraft Service International Group (2016), ASIG-Oils-fuels (2016), ASIG-Aviation Fuel (2016), Aircraft Service International Group (2020), ASIG-Aviation Fuels (2020), ASIG-Engineers (2020), ASIG-Oils-fuel (2020), ASIG-Air Cargo Service (2020).
- **1923 East Avion Street (also Drive and Place):** General Electric SLS (1988), Other Operations GE Engine Services West Coast Operations (1998), GE CO Engine Services-West Coast Operations (2001), GE Engine Service (2004), General Electric Café (2004), GE (2008), GE CO (2008), General Electric Café (2008), Coffee Bean Tea Leaf (2016), Coffee Bean Tea Leaf (2020), Los Angeles World ARPRTS ADM (2020).
- **2132 Avion (Also East Avion Street):** AVIS Budget Group (2020).
- **2161 East Avion Street:** Air Cortez International (1988), Beechcraft West Coast Ontario (1988), D.L.B. Interiors (1988), Ameriflight (1998), Raytheon Aircraft Services Ontario International Airport (1998), Threshold Technologies (1998), United States Government Agriculture Department of First Service South (1998), Ameriflight (2001), KMR Aviation Inc. (2001), Mercury Air Center (2001), Pinnacle Aviation Inc. (2001), Threshold Technologies (2001), Ameriflight (2004), Certified Aviation Service (2004), KMR Aviation Inc. (2004), Mercury Air Center (2004), 25 Hitman JGLLC (2008), Allegro Air Charters LLC (2008), Ameriflight-Aircraft Charter Rental & Leasing Service (2008), Ameriflight-Aircraft Rental (2008), Ameriflight Inc. (2008), Hertz Corporation (2008), Jet Support Service Inc. (2008), Jet System International (2008), Mercury Air Center (2008), Mercury Air Center-Aircraft Servicing & Maintenance (2008), Mercury Air Center-Airport & Term Services (2008), Montana Aviation LLC (2008), Police Air Support Unit (2008), StarJet Inc. (2008), Ameriflight LLC (2012), 25 Hitman JG LLC (2012), Atlantic Aviation (2012), Jet System International (2012), 25 Hitman JG LLC (2016), Airways XTRA (2016), Ameriflight LLC-Air Cargo Service (2016), Ameriflight LLC-Aircraft Charter Rental & Leasing Service (2016), Coast Flight (2016), Jet Support

Service International (2016), Jet System International (2016), Jett Pro Line Maintenance Inc (2016), 25 Hitman JG LLC (2020), Ameriflight LLC-Aircraft Charter Rental & Leasing Service (2020), Ameriflight LLC-Federal Government Contractors (2020), Ameriflight LLC-Air Cargo Service (2020), Cinco Air Charter LLC (2020), Jet Support Service Inc. (2020), Jet System International (2020), Jett Pro Line Maintenance Inc-Federal Government Contractors. (2020), Jett Pro Line Maintenance Inc.-Aircraft Servicing & Maintenance (2020).

5.0 OWNER/USER PROVIDED INFORMATION AND INTERVIEWS

Several reports have been supplied to GSI. A short summary of relevant reports is included below.

5.1 1990 Phase I - Phase II ESAs

CDM, 1990, Portions of Parcels 61, 62, 67, and 68

The Phase I ESA includes four areas *(*"Site 1 through 4"*)* located on the south side of Ontario Airport. Sites 1 and 2 are outside of the South Airport Cargo Center proposed lease area. "Site 3" includes portions of Parcels 61 and 62 and "Site 4" includes portions of Parcels 67 and 68.

Site 3 (Parcels 61 and 62)

Site 3 was covered with vineyards until the early 1940's when they were removed for aircraft tie downs and a taxiway. During the 1990 Site inspection, Site 3 was used as a high-speed driver training area for the San Bernardino County Sheriff's Department. No structures were present, but evidence of previous structures is identified in aerial photographs. Some dark areas on pavement were observed.

Site 3 is bordered to the south by a Beechcraft West fuel farm that included seven USTs with a total capacity of 88,500-gallons. These USTs were reportedly installed in 1983. To the west is the General Electric Test Cell Facility (General Electric) which is noted to use "significant amounts of several hazardous materials."

In the 1990 report, it is indicated that potential sources of impact to Site 3 may include the Beechcraft West fuel farm, a former electric box, discolored asphalt areas in the north-central part of the Site, and the border of General Electric, where drums of hazardous materials were stored.

Site 4 (Parcels 67 and 68)

Site 4 was primarily covered with vineyards until the mid-1940's, when a dirt access road was added, and a skeet range was developed. Much of the vineyards remained until the late 1950's. During the 1990 Site inspection, Site 4 was utilized for storage that included "some light water mix (3-6%), which is used as a fire-fighting agent." Police vehicle and training equipment are stored in the Hangar located at the Site and a 2-stage clarifier was present on the eastern side of the Hangar which included a dark fluid. A former electrical box is located along the eastern edge of the Site and a pad for a former above-ground storage tank (AST) is identified along the eastern border. No documentation of the AST contents was available for review.

Site 4 is bordered to the south by a fuel farm operated by Lockheed. It is noted that fuel spills have occurred at this location and were under investigation at the time of the 1990 report. An inactive UST is located south of the CANG Site near Jurupa Road. Cucamonga Creek is present as the eastern border of the Site and is a concrete lined channel.

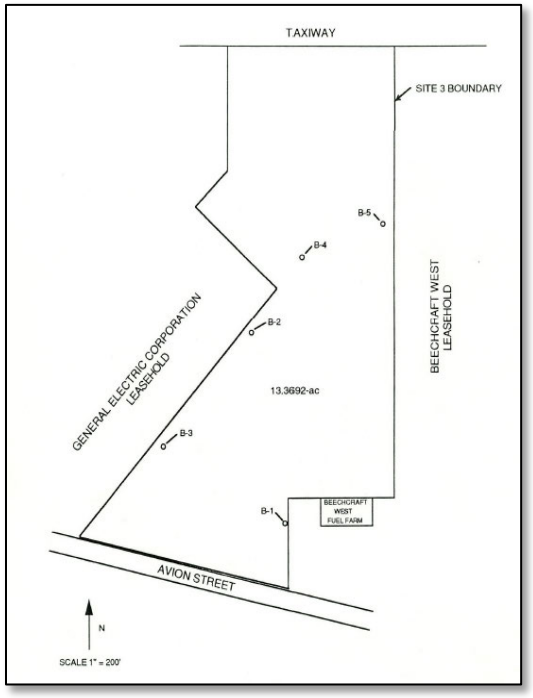
The report notes that potential sources of impact to Site 4 may include soil contamination near the former AST, a Test Cell, a former electrical box, and the 2-stage clarifier. In addition, it was noted that some imported soil was stored in the northeast corner of Site 4.

Recommended Phase II Investigation

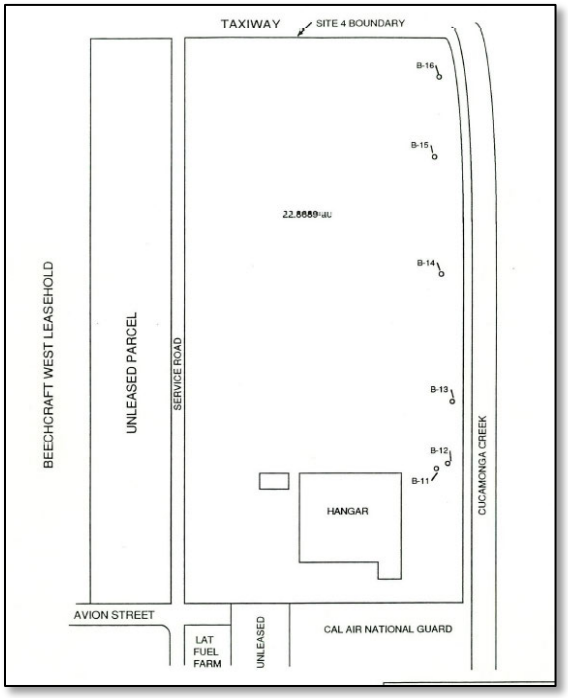
The following investigation was recommended for Sites 3 and 4 based on the results of the Phase I investigation.

Site 3) Sampling of soils around the transformer pad for possible polychlorinated biphenyls (PCBs). This pad is located along the eastern edge of the property.
Site 3) Soil/Gas survey on different colored areas, north end of Site.
Site 3) Soil/Gas survey along General Electric border near storage area.
Site 3) Soil/Gas survey near Beechcraft West fuel farm.
Site 4) Sampling, characterization, and proper disposal of clarifier fluid.
Site 4) Soil/Gas survey near clarifier.
Site 4) Sampling at electrical station on eastern border for possible PCBs.
Site 4) Soil/Gas survey near former Engine Test Cell location.
Site 4) Soil/Gas survey at former AST location along eastern edge of property.
Site 4) Soil boring at northeast corner at the former disposal site.

Site 3 (Parcel 61 & 62) Sample Locations



Site 4 (Parcel 67 & 68) Sample Locations



Results of sampling and analysis did not show significant subsurface impact from on-Site sources and no further action was recommended other than the removal of clarifier fluid from the 2-stage clarifier in Site 4.

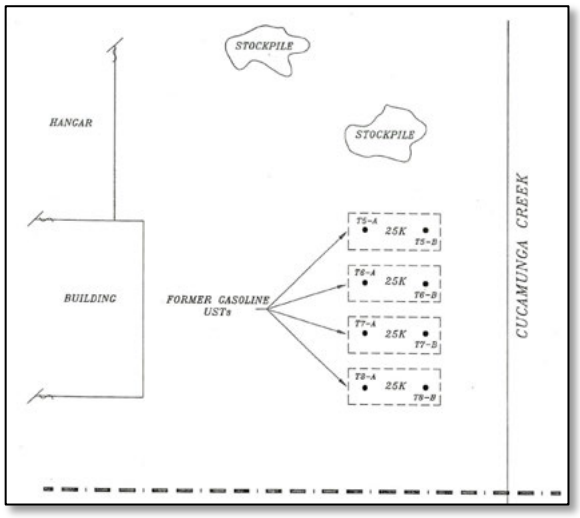
5.2 1995 Underground Storage Tank Closure Report

El Capitan Environmental Services, 1995, Portions of Parcel 68

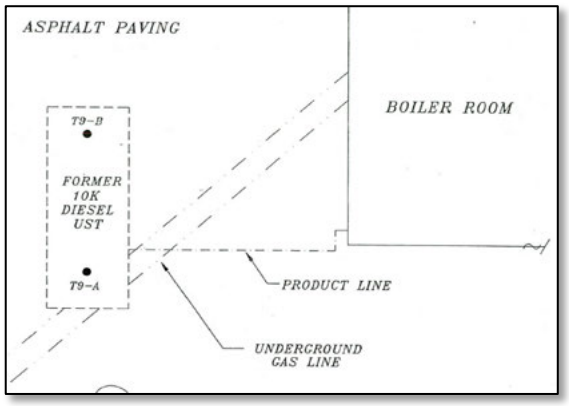
This report summarizes the removal of five USTs (UST 5, 6, 7, 8, and 9) with associated piping, appurtenances, and incidentals from the CANG Site located at the Ontario Airport. The excavation and disposal of hydrocarbon-impacted soil, confirmation soil sampling, and backfill of the pits/excavation are summarized in the 1995 report.

Note: Although the CANG location is documented to lie to the south of Parcel 68, Site location map 2 appears to identify the former UST location as adjacent to the Hangar that is located on Parcel 68 (see below).

Parcel 68 Former UST 5 through 8 Locations



Parcel 68 Former UST 9 Location



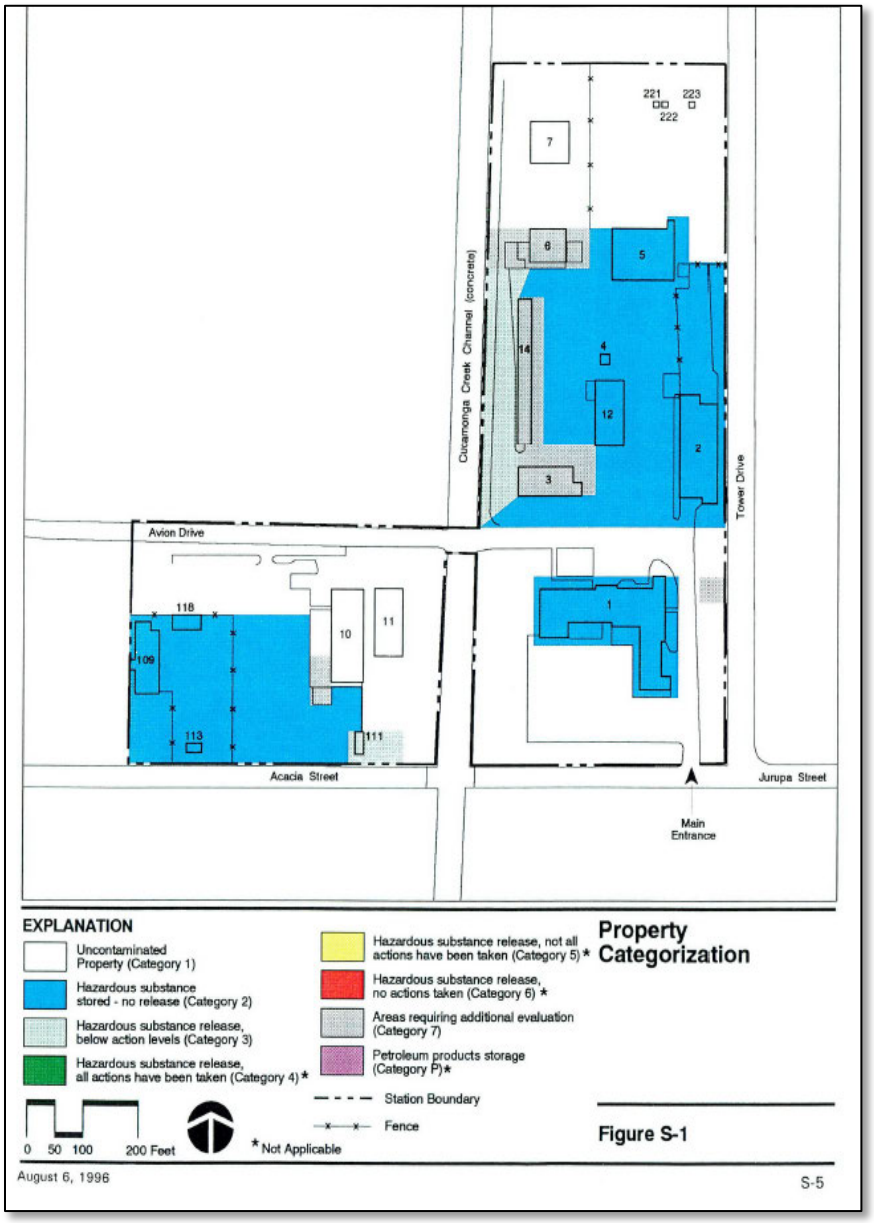
The former UST 9 location was found to be not impacted with total petroleum hydrocarbons (TPH) or benzene, toluene, ethyl benzene, and xylenes (BTEX). However, the subsurface soil at the former UST 5 through 8 location was found to be impacted with petroleum hydrocarbons. The contaminated soil was removed by two stages of excavations and post-excavation confirmation samples showed that the contaminated soil has been effectively removed except for minor or insignificant residual concentrations. The UST pits were backfilled with clean soil and no further action at the former UST locations was recommended.

5.3 1996 Draft Environmental Baseline Survey Ontario Air National Guard

Department of the Air Force, 1996, Off-Site Areas to the East and South of Parcel 68

This report was prepared to document, summarize, and describe the environmental condition of the areas to the east and south of Parcel 68 that were utilized by the ANGS. The report categorized portions of the property based on their environmental history and level of potential impact from Site use. Some areas that were identified with release below action levels were identified and some areas were identified that required additional investigation. These areas were primarily located to the east of Cucamonga Creek.

1996 ANGS Property Designations



5.4 1997 Hazardous Materials Survey Report

Encorp, 1997, Portions of Parcel 68

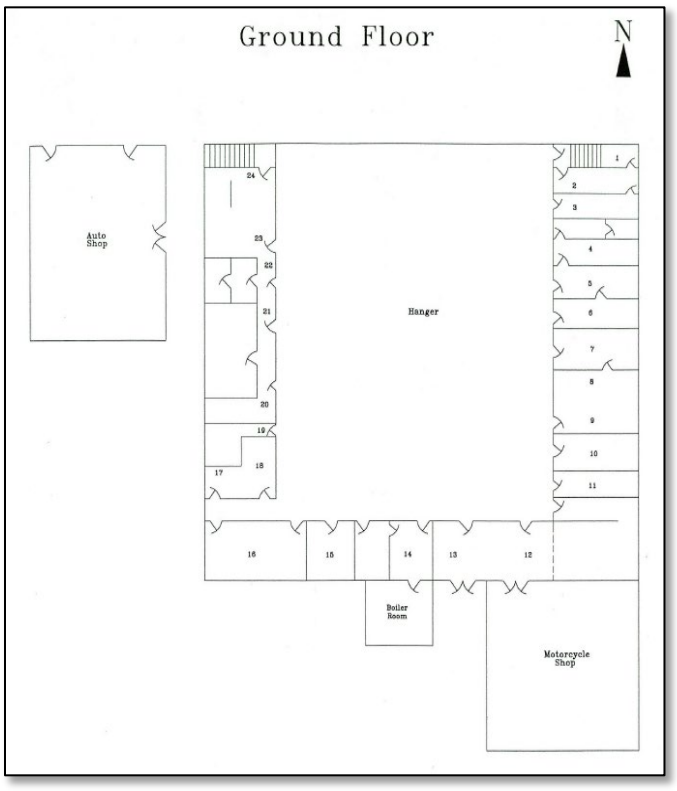
This report concluded that the Hangar located on Parcel 68 and utilized for the ANGS contained asbestos on the boiler and its tanks and piping. Lead-based paint was also identified on doors and metal surfaces, mercury was identified in fluorescent lighting tubes, and PCBs were identified in lighting ballasts. The following actions were recommended prior to any use, occupancy, or storage:

1. Remove significantly damaged boiler insulation.
2. Repair damaged pipe insulation.
3. Remove significantly damaged asbestos-containing floor tiles and mastic.
4. Abate any biological hazard due to pigeon droppings.
5. Prepare and implement an Asbestos Operations and Maintenance Plan.

Additional recommendations noted:

1. Asbestos should be abated prior to any renovation/demolition activities.
2. Loose/flaking lead-based paint should be encased.
3. Fluorescent tubes and mercury vapor lamps require hazardous disposal or removal.
4. PCBs in fluorescent light fixtures need to be disposed of as hazardous when removed.

1997 ANGS Hangar



5.5 1998 ESA

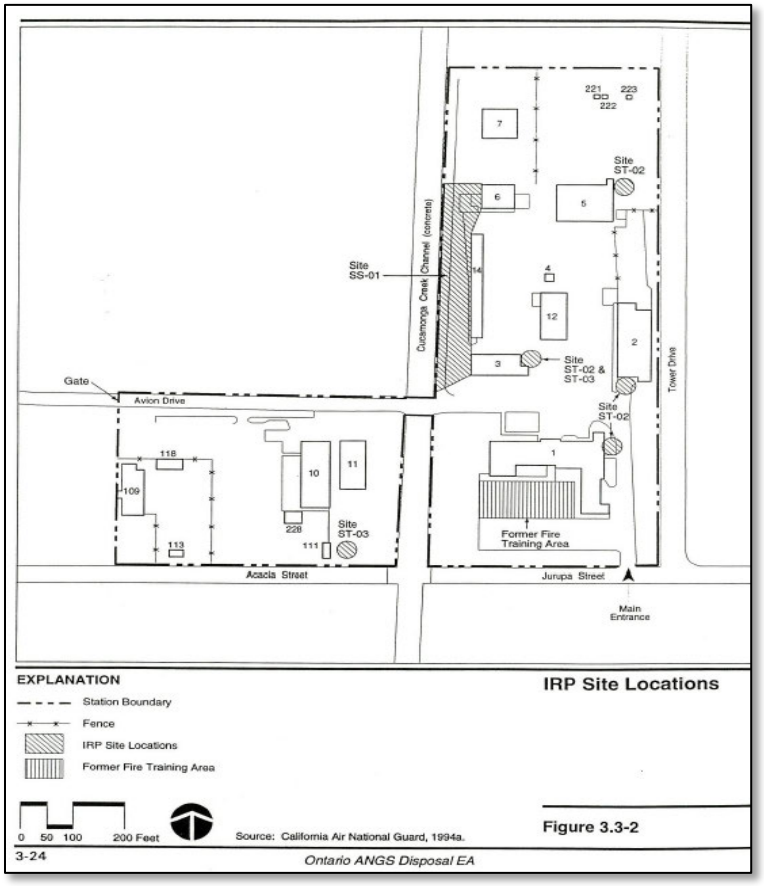
Department of the Air Force, 1998, Off-Site Areas to the East and South of Parcel 68

Based on the planned September 1998 closure of the Ontario ANGS, this assessment considers environmental impacts of the Air Force's disposal of the installation and portrays selected potential land uses. Three alternative scenarios, including the community's proposed plan, were used to group land uses and to examine the environmental effects of likely reuse.

Installation Restoration Program (IRP) sites were identified and included SS-01 where small amounts of hazardous substances including waste oil, fuels, solvents, and paints were disposed between the 1950s and the 1980s. The report notes that a soil gas survey was conducted in this area in 1992 and only trace concentrations of potential contaminants of concern were identified in soil vapor. However, as precaution groundwater samples were collected from three groundwater monitoring wells located on the property. Due to low concentrations in groundwater "No Further Action" was recommended for the Site. USTs and an oil/water separator were additionally identified at the Site.

Proposed action alternatives for Site closure are summarized in the report.

1998 ANGS Installation Restoration Program Site Locations



5.6 2001 Airport Group International

AGI, Phase I ESA Transmittal (Various)

The Phase I ESA that is associated with this transmittal document was not available for review. However, the findings of a Phase I ESA completed on the AGI facility in 2001 are identified in the document with the following findings:

- USTs have been present and were removed from the facility. Remediation of a fuel release took place from 1994 to 1997. No documentation of case closure was provided during the Phase 1 investigation.
- A fill port was found adjacent to the on-Site office building. AGI officials had no information about the exposed piping. This could be connected to a UST or other substructure.
- A floor drain is located inside the storage building. This drain was used to collect storm water overflow. According to an AGI Site official, this drain does not feed into the sewer or storm drain systems.
- GE Engine services is located nearby AGI at 1923 East Avion Street.
- Some lead-based paint was found at the facility.

No figures were attached to the communication to identify the locations of the USTs identified in the Phase I ESA.

5.7 2001 Phase I ESA Former Air National Guard and Surrounding

CTL, 2001, Portion of Parcels 61, 62, 63, 67, and 68

The maps included with this report identify several different Site configurations and in addition to Parcels 67 and 68, the 2001 Phase I may also address Parcels 61, 62, and 63. The following is the summary of the investigation results and conclusions supplied in the 2001 report.

1. The military, Army Air Corps and the Air National Guard, utilized the Site from the early 1940s through the mid-1980s. According to a U.S. Army Corps of Engineers (USACE) representative, an "Inventory Project Report" has been prepared for the Site; however, it has not been signed by headquarters and is therefore unavailable for review. The 2001 Phase I reportedly would provide the most current accounting of activities at the Site.
2. Six USTs have been associated with the Site: four USTs at the former fueling pad and two from the boiler units. Soil analysis results from 1994 identified only five USTs. **The second UST near the boiler has not been accounted for.** Elevated concentrations of TPH and BTEX were detected at the fueling pad.
3. The military utilized the Site for aircraft repair/overhaul as well as aircraft washdown. A USACE report from March 1991, indicated the use of fuel, paint strippers, solvents, etc.
4. Prior to the 1970s, chemicals and washdown waters were discharged into dirt ditches that emptied into the unlined Cucamonga Creek. An oil/water separator was installed after 1970 when the Creek reportedly was channelized. Based on aerial photographs, the creek was lined between 1976 and 1980. Many of the drains at the Site are connected to this separator which empties to the creek. A second washdown area is located at the west part of the Site. It is unknown if the drain discharges into the separator, discharges to the storm drain system, or drains directly into the Creek.

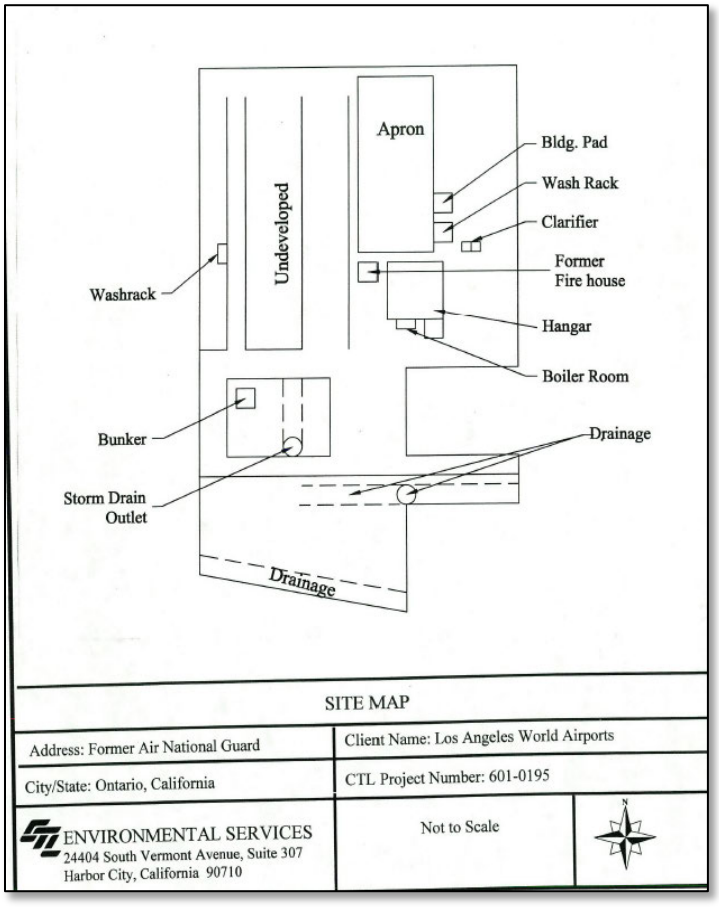
5. A septic system and leach field is located south from the Hangar. This system was used until the 1970s when a sanitary sewer system reportedly was installed.
6. A concrete pit is located inside the south part of the Hangar. The use is unknown but may have been used as a neutralization pit.
7. A munitions bunker has been located at the center part of the Site since the 1950s. Three other bunker-type buildings also were present in this area from the 1950s to early 1970s.
8. Two unidentified buildings were located at the south part of the Site from at least 1965 to the early 1970s. These buildings also may have been associated with repair/overhaul, as a military plane was noted next to the buildings in a 1965 aerial photograph.
9. An airport storm drain outlet is located in the fenced vehicle storage area at the center part of the Site. A yellowish-green discharge, later identified as containing surfactants, and a heavy build-up of algae was noted at the outlet. Based on inspection of the outlet, it discharges into the Cucamonga Creek.
10. Two open dirt channels/ditches traverse the Site. One runs along the south boundary of the Site and reportedly receives surface runoff water from the south part of the airport. The other runs east/west along the south part of the Site, north from the GE Test Center facility. Available maps show these channels/ditches discharge to the Cucamonga Creek.
11. Encorp's asbestos survey at the Hangar identified asbestos in various floor tile/mastic, boiler insulation, thermal insulation, coating on the interior/exterior of corrugated walls, roofing material, and drywall mud. Most of these materials were in poor to fair condition. Only the boiler and thermal insulation was identified as friable. Los Angeles World Airports (LAWA) has locked many of the Hangar rooms and has placed an asbestos notification on the boiler room. Encorp recommended abatement and/or isolation of asbestos-containing materials.
12. Encorp's lead survey at the Hangar identified lead throughout the building with some identified damaged materials. Encorp recommended "that at a minimum interim action measures" be taken for the damaged lead-based paint. CTL found a sample number discrepancy in this section of their report.
13. Encorp's PCB and mercury survey identified PCB-containing light fixtures and suspect mercury-containing fluorescent lights at the Hangar. Encorp recommend proper disposal of PCB and mercury-containing fixtures upon renovation or demolition activities.
14. The General Electric, adjacent to the Site, has documented solvent-contaminated soil and groundwater. Three out of four soil areas have been successfully remediated. The Regional Water Quality Control Board (RWQCB) has identified General Electric as the Potentially Responsible Party (PRP) for the solvent plume that extends approximately 8,000 feet southwest from the facility.

The following recommendations were documented:

- Request status updates from the USACE regarding the release of the "Inventory Project Report." In addition to the areas of concern identified in CTL's conclusions, this report should provide a comprehensive accounting of activities at the Site. EMD will request this report.

- EMD has reviewed the sample number discrepancy identified in Encorp's lead-based paint survey. Although there is a discrepancy in the starting number for the samples, the results as indicated in the body of the report appear correct.
- Lead-based paint and Asbestos abatement is required for building rehabilitation or demolition. The chance exists that additional suspect asbestos containing materials (ACMs) or lead-containing materials may be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed prior to any renovation and/or demolition activities which disturbs ACMs or lead-containing materials. If airborne lead levels are above Occupational Safety and Health Administration (OSHA) requirements, additional monitoring and respiratory protection may be required as well as engineering controls, such as containments and personal protective clothing.
- Records of proper abandonment of the USTs onsite were not located.
- The airport Industrial Storm Water Pollution Prevention Plan prohibits non-storm water discharges to the storm drain. EMD is investigating potential sources of the discharge.
- The wash racks, a wastewater clarifier associated with the east wash rack, and a sump located inside the Hangar should be properly abandoned. Otherwise, no additional environmental investigation is recommended at this time.

2001 Phase I Site Map (not to scale)



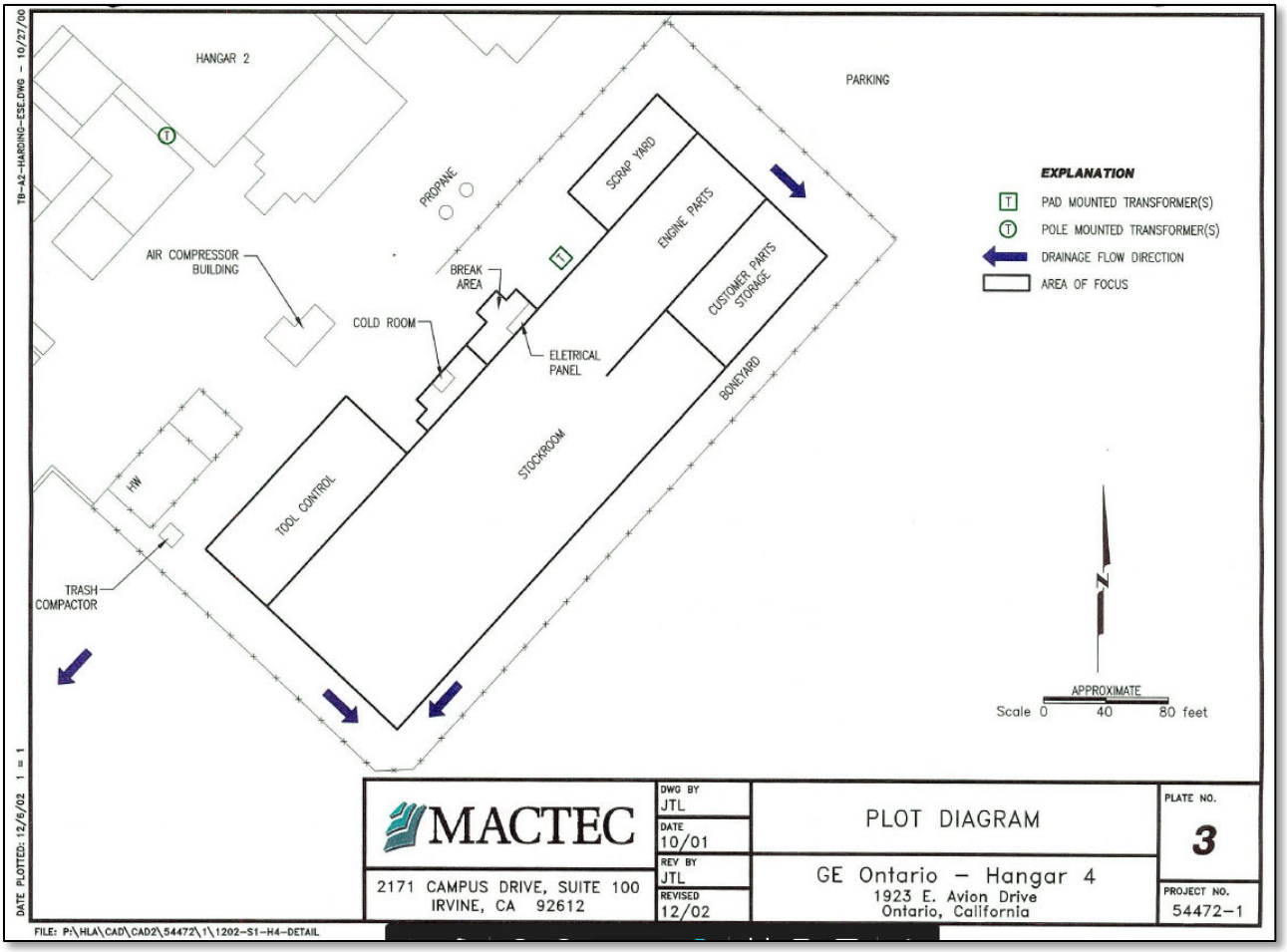
5.8 2003 Phase I ESA Hangar 4 at GE Engine Services

Mactec, 2003, Portion of Parcel 61

Four primary Hangars are identified on Parcel 61 (1, 2, 3, and 4). Only Hangar 4 was addressed in this document. The Phase I ESA identified the following recognized environmental conditions (REC):

In 1956 Northrop connected Hangar 4 to a cesspool. Hangar 4 remained connected to the cesspool until it was connected to the Site's sanitary sewer system in 1990. Mr. David Lu, an Environmental Manager formerly employed with General Electric, stated that a septic tank/leach field existed for Hangar 4. Mr. Lu could not recall the location of this septic tank/leach field. Closure or sampling data for the leach field and septic system could not be located at the time of the ESA.

2003 Hangar 4 Phase I Site Map (not to scale)

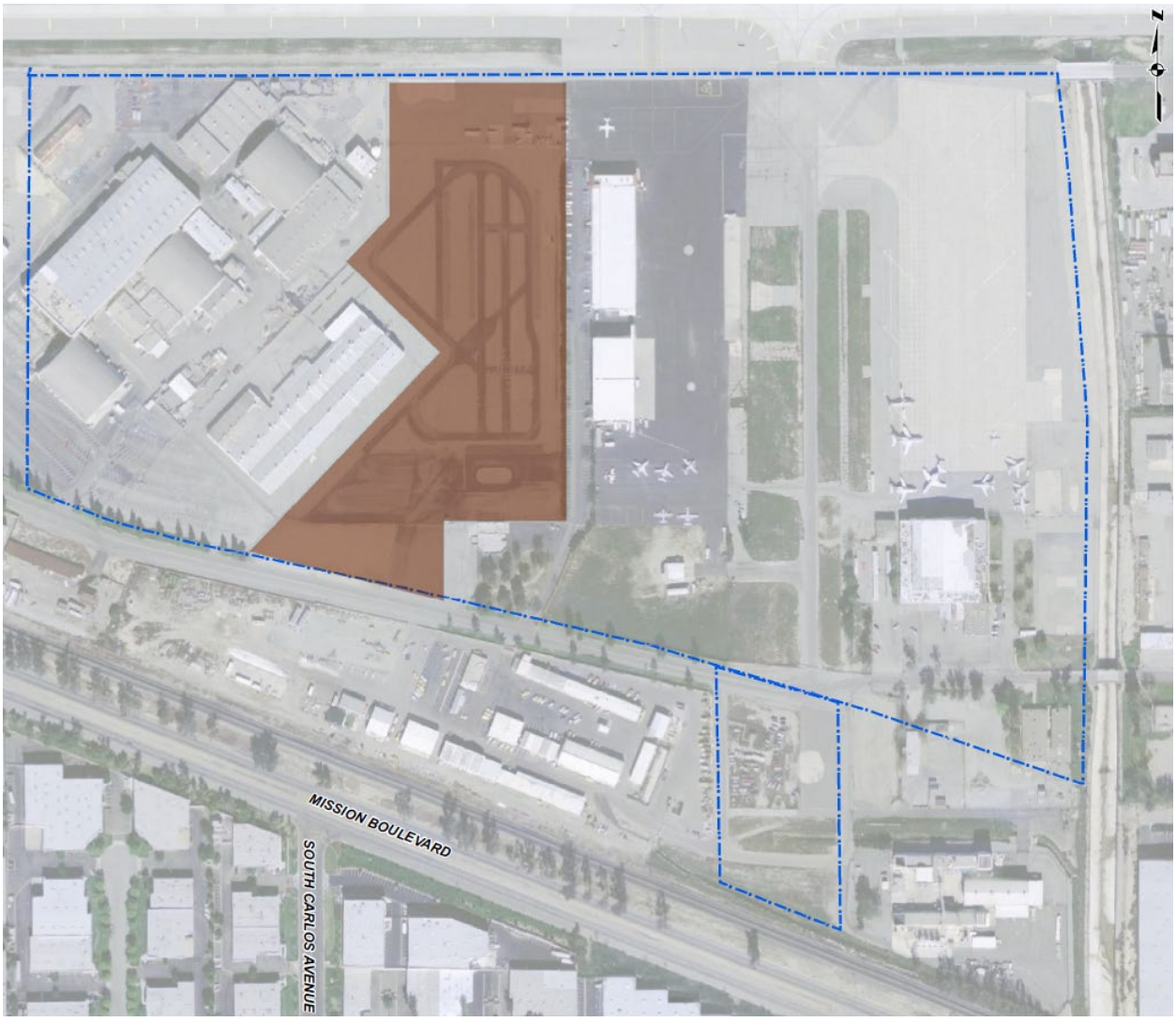


5.9 2003 Phase I ESA Former Los Angeles Police Department Emergency Vehicle Operations Course (LAPD EVOC) Facility

CTL, 2003, Portions of Parcels 61 and 62

The former LAPD EVOC was previously located in an area that covers portions of Parcels 61 and 62.

Historical Location of Former LAPD EVOC (Google Earth, December 2003)
Blue dashed line is current Site, brown shaded area is the LAPD EVOC Area



This document identified the following RECs:

1) Surface oil staining due to aircraft and automobile parking throughout the subject Site since the 1960s.
2) Maintenance activities and chemical storage were documented by the LAPD during the 1990s.

3) Adjacent General Electric facility has had a solvent release into groundwater (approximately 250 feet deep) resulting in a solvent plume that extends approximately 8,000 feet downgradient (i.e., southwest direction) of the release point.

4) Concrete-filled cylinders with embedded pipes are located in the northwest corner of the subject Site. The prior use of these cylinders is not known.

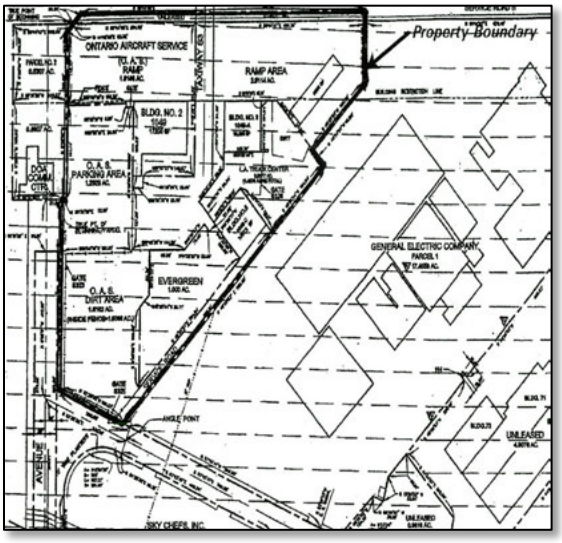
Recommendations were to collect and analyze the contents of the concrete cylinders to determine if they are considered hazardous waste. After characterizing the concrete cylinders, the cylinders should be disposed of, under legal manifests, at a proper disposal facility.

5.10 2004 Phase I ESA East Avion Complex

EarthTech, 2004, Small Portion on the Northwestern Corner of Parcel 61

This report primarily addresses the property to the west of the Site, but also includes a small amount of property on the northwestern portion of the Site, as shown below.

Area Included in the 2004 Report



Area of Parcel 61 included in the 2004 report (Google Earth, December 2003)
Blue dashed line is current Site, brown shaded area is the area included in the report.



This document identified the following RECs for the overall property:

1) Historical Property Use: The subject property was developed in the 1940s as a part of the Ontario Airport. The exact nature of operations on the subject property are not known but are assumed to include aircraft repair and maintenance activities. Spillage of petroleum hydrocarbons and solvents used during these activities may have impacted the subsurface.
2) USTs: An 8,000-gallon UST was removed from the subject property in August 1999. Soil samples were collected from beneath each end of the UST. The soil samples were analyzed for TPH, BTEX and methyl tert-butyl ether (MTBE). No concentrations of these compounds were detected in the soil samples collected. The excavation was backfilled with clean native soil and import fill and compacted.
3) Groundwater Contamination on Adjacent Property: Known releases at the General Electric facility located adjacent to the east of the subject property are suspected to have impacted groundwater. It is possible that impacted groundwater from the adjacent property has migrated or could migrate beneath the subject property.
4) Asbestos Containing Materials/Lead-Based Paint

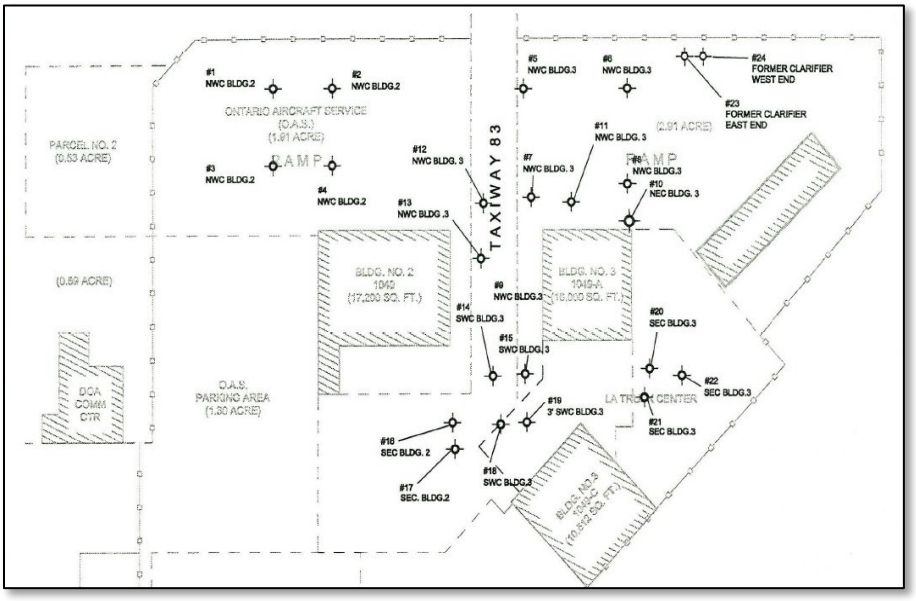
5.11 2005 Phase II ESA East Avion Complex

EarthTech, 2005, Small Portion on the Northwestern Corner of Parcel 61

Based on the results of the 2004 Phase I ESA, this limited Phase II investigation was conducted to evaluate the possibility of subsurface impacts resulting from the past maintenance activities conducted on the subject property between the 1940s and the present time.

EarthTech concluded groundwater was not encountered to the maximum depth investigated (5 feet). No significant volatile organic compounds (VOCs) were identified in the former aircraft maintenance areas. No further investigation or action is recommended at the subject property.

2004 Phase II Sample Locations
Northeast Corner is a Part of the Current Site Area

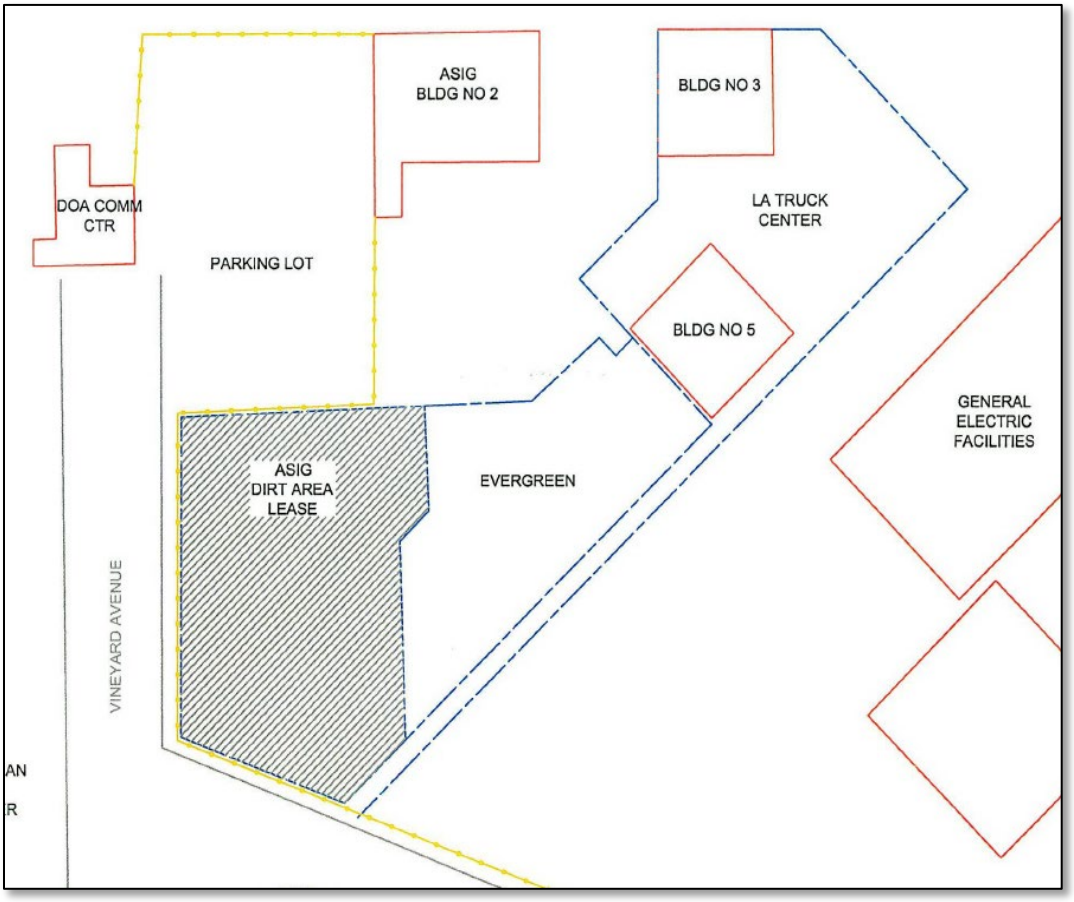


5.12 2005 Phase I ESA

ASIG, 2006; Dirt Lease Area (off-Site)

This Phase I ESA was conducted on a property adjacent to the Site to the west. No RECs were identified but the report indicates that impact to groundwater may be present due to the known plume that existed at the General Electric facility to the southeast.

2005 Phase I Area

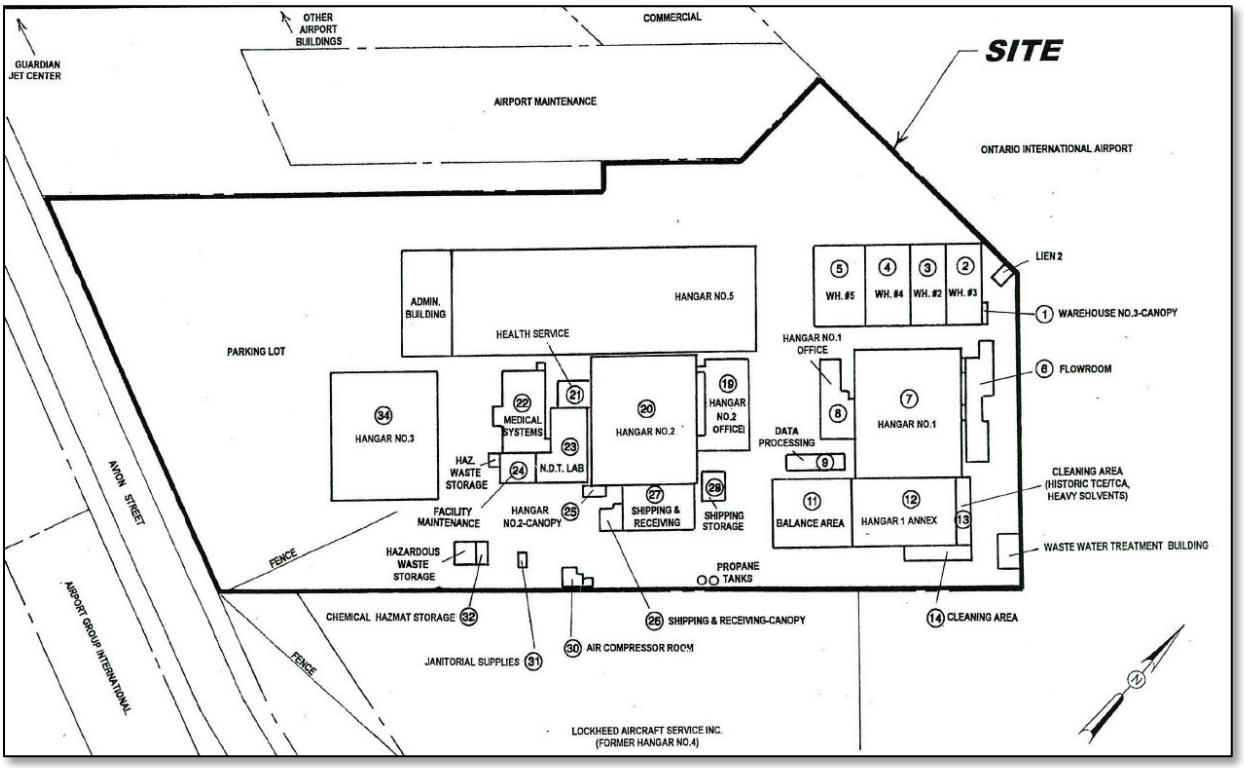


5.13 2006 Phase I ESA 1923 East Avion Street

MACTEC, 2006, Portion of Parcel 62

The portion of the Site included in this Phase I ESA is an office and overhaul plant for General Electric are assembled and disassembled here for maintenance and repair. Parts and supplies for these operations are stored, tested, and calibrated at the Site. Many chemicals are used in operations for purposes extending from lubrication of machine parts, cleaning, and treating wastewater. Chemicals used include: propane, potassium hydroxide (KOH), sulfuric acid (H_2SO_4), castrol oil, zyglo penetrant magna flux zyglo remover, cimperial, triton, heavy duty stripper, Cee Bee, calcium hydroxide, diamond crystal with softener care additives, oxygen, and various other oils, grease, solvents, and polymers, etc.

2006 Phase I Area – Entire Area is within Parcel 61



Phase I ESA Report Findings:

- History – General Electric moved to the Site in 1955 replacing Northrop and Douglas Aircraft. Hangar 5 and the Administrative Building are not visible in aerial photographs until 1989. Figure 2 of the report shows a layout of the Site that includes Hangars 1, 2, 3, and 5, and associated annexes and structures. The report also includes a topographic Site map prepared by Adkan Engineers dated December 2005.
- USTs - Environmental databases show that 14-17 USTs may have existed at the Site. A 2002 ESA prepared for General Electric by Harding ESE, Inc. indicate that 15 USTs existed at the Site, and that those USTs have been properly removed or abandoned in place with closure certification from the Department of Toxic Substances Control (DTSC) in 1994. At least one UST may have been abandoned in place under the cleaning line.

MACTEC indicated so far (Executive Summary, p. vi) that the closure letter for 15 USTs was not located.

- Electrical transformers - Pad and pole mounted transformers exists at the Site. Pad mounted transformers are all "dry" type. No leaks were observed in and around the pole-mounted transformers that contain oils. All transformers are owned by Southern California Edison (SCE) who maintains that none of its transformers currently contain PCBs
- Environmental database listings - The Site and many nearby properties are listed on several environmental databases that indicate historical association with environmental issues. The Report states that these listed properties are not anticipated to be RECs relative to the General Electric property.
- Regulatory agencies record review - MACTEC further reviewed relevant Site files at the RWQCB, and the DTSC, and found the following (from Section 8.0 of the Report):
    1. A Notice of Deficiency from DTSC to General Electric regarding the 1990 UST Closure Plan.
    2. Closure report for five USTs and associated piping/vadose zone wells by OHM Remediation, dated May 30, 1991. Four tanks were removed and the area backfilled, while one, buried under a building support beam, was rinsed and closed in place with the approval of the regulators.
    3. Approval letter from DTSC, dated August 6, 1992, for the T-58 Sump Closure Work Plan.
    4. Letter (dated 1991) from the RWQCB to former Site occupants stating that chlorinated solvents have been detected down-gradient from Ontario Airport.
    5. A Closure Certification Report, dated June 2, 1994, prepared by Canonie Environmental, documents the final recommendations and certification of removed UST's, closure of an Expanded Drum Storage Area (EDSA), closure of a 200-gallon waste storage tank, and an oil/water separator. On October 17,1994, closure was granted and certified by the DTSC (which contradicts MACTEC's statement reported in 2 above).
- Potential soil contamination - Cracks in the flooring were observed in Hangars 2, 3, and 5 that could have allowed contaminants to seep through to the soil beneath those Hangars. Historically during the 1950's and 1960's under former Site occupants, Northrop and Douglas Aircraft, aircrafts were washed on-Site with runoff collected into unlined ditches and sumps. The findings below are listed in the order reported in the Report's Executive Summary.
    - Hangar 3 - Currently used for supplies storage and was a former machine shop where oils and solvents were used. The 2002 Harding ESA reported trichloroethylene/perchloroethylene (TCE/PCE) contamination based on soil-gas data collected southeast and southwest of the Hangar. Historically, aircrafts were washed west of Hangar 3.
    - Hangar 5 - Currently used for aircraft engine refurbishing. Soil staining was observed on the floor of Hangar 5, which formerly housed a bearing cleaning room and a paint

booth. The Hangar now houses the Campbell grinder which uses many lubricants and solvents.

- Hangar 2 - Currently used for supplies storage and formerly housed Plasma spraying.
- Hangar 1 - A parts-cleaning area that uses many chemicals and solvents stored in tanks, some of which may have discharged into the southeast side pavement in the past.
- T-58 test cell sump - The sump collects wastewater transported by truck from the General Electric facility. A closure plan was approved by DTSC in 1992 that included drilling to collect and analyze soil borings. No further documentation is available. However, in the report it is indicated that a sump located 25 feet east of Tool Control at the northern end of Hangar 1 with its line running below the tool room (based on a 1990 Plumbing Diagram by Gabel) which was not part of the ESA study area. It is unclear if this is the T-58 test cell sump.
- Industrial waste discharge - In the 1950's, the former Site occupants (Northrop and Douglas Aircraft), were cited by the RWQCB for probable sources of contaminants in the groundwater, as a result of the routine discharge of industrial waste and wastewater into the ground (unlined ditches and sumps).

- Asbestos - An Asbestos Assessment completed March 9, 2004 by Integrity Environmental Consultants Inc. showed that asbestos tiles exist in the Data Processing Building.
- Septic Tank/Leach Fields closure – It is indicated in the report that the closure of septic tanks or leach field could not be located. Connection, to the City of Ontario sewer system may not have taken place until 1985.
- Wastewater treatment plant (WTP) and associated tanks – It is indicated in the report that the WTP is permitted through the 'permit by rule' (PBR) system. The industrial wastewater permit is issued by the Inland Empire Utilities Agency and County Sanitation Districts of Los Angeles County.

5.14 2008 Phase I ESA of the Ontario International Airport Mercury Air Center Facility

CTL, 2008, Portions of Parcel 62

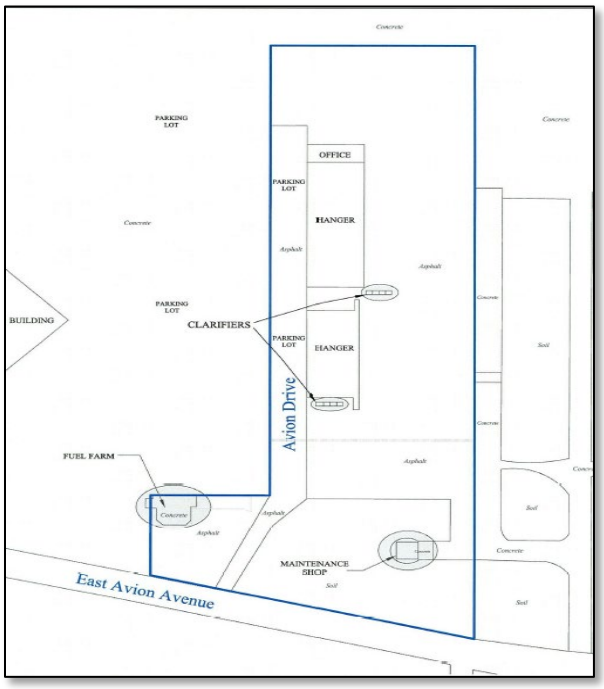
This area is referred to as “MAC-ONT” within this report. At the time of the report, the Site was developed with the MAC-ONT facilities. Activities at the Site were related to aviation support services including aircraft refueling, ground services, aircraft maintenance, and aircraft Hangar and tie-down space. Multiple fuel trucks parked on-Site support refueling activities. Fuel support was provided by the on-Site fuel farm in the southwest corner of the property. Aircraft maintenance operations were performed both in the Hangar spaces and in the field. Ground vehicles were also serviced on-Site at the outbuilding maintenance shop.

The Phase I ESA Report findings identify the following issues at the Site:

- Two clarifiers are associated with effluent from the Hangar buildings. No subsurface investigations of potential impacts have been performed since 1998.
- Six USTs and one clarifier are located at the on-Site fuel farm. No subsurface investigations of potential impacts have been performed since 1998. A 50-gallon spill of fuel/water mix was reported by the California Hazardous Material Incident Reporting System (CHMIRS) in 2001 at this location.

- Hazardous materials and chemicals are used and stored at the Site. These include, but not limited to, aviation fuels, unleaded fuel, waste fuels and oils, lubricating oils and greases, solvents, and lead-acid batteries.
- Staining of both soil and concrete was observed at the outbuilding maintenance shop, which is within the boundary of the property to be vacated by MAC-ONT.

2006 Phase I Area – Entire Area is within Parcel 61



Owner/User-supplied documents are included in Appendix G and have been incorporated in the Summary of Findings (Section 7.0).

5.15 Interviews/Questionnaires

A “User Questionnaire” was provided to supplement information provided by Mr. Winters to GSI during the site reconnaissance and other correspondence. An “Owner/Occupant Questionnaire” was also provided to Mr. Winters to forward to owner/occupant representatives. The questionnaires are included in Appendix H.

In compliance with ASTM E1527-13, a conference-call interview was conducted by Microsoft Teams on 12 October 2021 with Ms. Elisa Grey, Director of Commercial Real Estate for Ontario International Airport, and Ms. Nicole Walker, also with the Ontario International Airport. Ms. Bita Tabatabai, Ms. Samantha Curtis, and Ms. Erika Anderson with GSI were also on the conference call. The results of the conference call are included in Table 1.

6.0 RECORDS REVIEW

Environmental records were obtained by requesting records from state and local regulatory agencies and conducting a search of federal and state databases.

6.1 Regulatory Agency Records Review

Regulatory agency records were requested on 1 September 2021. Agency requests included a request for reasonably ascertainable records for the Site addresses and APNs, as well as information related to nearby sites of potential concern. All agency file review requests and documents subsequently supplied by the agencies are included in Appendix I. Significant available agency records identified in the table below.

AGENCY	ANTICIPATED RECORD TYPES	RECORDS AVAILABLE?		
		YES	NO	PEND
City and Local Agencies				
City of Ontario Building Department	Historical tenants, property use, permits.	X		
City of Ontario Fire Department	Hazardous materials storage, accidents, spills, leaks.		X	
South Coast AQMD	Air emissions and permits.	X		
City of Ontario Public Works	Industrial waste discharge permits or violations.		X	
County Agencies				
San Bernardino County Fire Department-Hazardous Materials Division	Utilization, manufacture, storage and/or discharge of hazardous materials/waste, and any information concerning previous or on-going site investigations/remediations pertaining to hazardous materials/waste	X		
State and Regional Agencies				
DTSC-Cypress	Agency oversight information and documents.	X		
DTSC-Chatsworth	Agency oversight information and documents.		X	
Office of the State Fire Marshall	Oil and gas pipeline information.	X		
RWQCB-Santa Ana	Agency oversight information and documents.	X		
Agency Websites				
County Assessor's Office	Development dates, APNs, parcel details.	X		
SWQCB Geotracker	Agency oversight information and documents.	X		
DTSC Envirostor	Agency oversight information and documents.	X		
National Pipeline Mapping System (NPMS)	Hazardous liquid and gas transmission pipelines.	X		
California Geologic Energy Management Division (CalGEM)	Oil and gas development, active oil wells, plugged wells, methane.	X		
SWRCB Deed Restrictions	Deed Restrictions		X	
DTSC Land Use Restrictions	Land Use Restrictions		X	

Pend = Records are pending. As of the date that this Phase I ESA was published, records had not been supplied by the indicated agency.

Information that GSI obtained from regulatory agency records is summarized below.

6.1.1 City of Ontario Building Department

Documents supplied from the City of Ontario Building Department included historic building permits/permit applications, plumbing applications, electrical applications, HVAC applications, and similar. Significant records are summarized below.

- Application for permit for propane fueling station at 1923 East Avion Street for General Electric Aviation in 1987.
- 1990 permit application for fuel system at 2132 East Avion Street for City of LA Department of Airports.
- 1997 application for the modification to existing oil/water separator system for GE Engine Services at 1923 East Avion Street.
- 1991 permit application for electric for fuel tanks at the Department of Airports at 2132 East Avion.
- Permit application to install three USTs and Airport Fire Station at 1230 Tower Drive, Ontario, CA was recorded in 1988.
- Application for permit for above ground tank at 1049 South Vineyard Ave in 1999.
- 1987 permit application for electrical for gasoline fuel system at 1801 east Avion Street.
- Plan check/permit application for a fueling facility at 2161 E. Avion Dr. Ontario, CA Mercury Air Center was recorded in 1998.
- Plan check/application to install a prefabricated spray paint booth was recorded in 1998 at 2132 Avion Street for Ontario International Airport/Maintenance. This was possibly within the CANG Hangar.
- Permit from 2013 to remove USTs including electrical cabling removal and compaction per plan at 2161 East Avion Street, Building #2 for City of Los Angeles Department of Airports
- Permit from 2015 to construct jet plane blast wall at 2161 East Avion Street for Cinco Air Charter LLC.

Off-Site Property Records

- Permit application to upgrade the USTs at 1801 East Avion in 1999 for FedEX.
- 2005 permit to install 10,000-gallon AST (dual compartment) fueling system (4,000-gallon diesel and 6,000-gallon gasoline) at 1230 South Tower Drive for City of Los Angeles Department of Airports. Permit from 2013 to replace existing 250-gallon UST with new 250-gallon UL 2085 UST and demo existing canopy at 1923 East Avion St, Building #2 for City of Los Angeles #1 World Way.

6.1.2 South Coast Air Quality Management District (AQMD)

Significant records obtained from the AQMD are summarized below.

- GE Engine Services Facility Equipment Report that lists permits for abrasive blasting, spray booths, amine (or DEA) regeneration, service stations for dispensing and storing

gasoline, storage tank 1,1,1 Trichloroethane, miscellaneous inorganic stripping, tank chemical milling, and canceled permits for gasoline UST, fuel oil UST, jet engine test cell facility, degreaser 1,1,1 Trichloroethane, and tank surface preparation-other acids at 1923 East Avion Drive.

- Beechcraft West Facility Equipment Report that lists a permit to operate a bulk load truck (1 rack) Ethylene Dichloride (1983 and 1989), amine treating (1989), service station for storing and dispensing gasoline (1989), and cancelled permit applications for storage tank miscellaneous materials (1989) at 2161 East Avion Street.
- Mercury Air Center Facility Equipment Report that lists permits for storage tank miscellaneous materials, bulk load truck (1 rack) ethylene dichloride, a service station for storing and dispensing gasoline, a mobile refueling station for storage/dispensing gasoline, and two cancelled permits for service station for storage and dispensing gasoline and a mobile refueling station for storing and dispensing gasoline at 2161 East Avion Street.
- Atlantic Aviation Services Facility Equipment Report that lists a permit to operate a mobile refueling station for storage/dispensing gasoline (2010) and a bulk loading/unloading fuel dispensing (2010) at 2161 East Avion Street.
- Atlantic Aviation Services 2010 Facility Equipment Report documents inactive P/Os for an Avgas and Jet A storage and dispensing system, gasoline dispensing and storage station, mobile refueling station for storage/dispensing gasoline, and de-icing dispensing system at 2161 Avion Street.
- 1988 violation at General Electric Co. Aviation for failure to obtain permit to construct Trichloroethane storage tank.
- 2001 violation for Mercury Air Center at 2161 East Avion Street for failure to provide reverification tests in mobile fuelers and USTs.
- 2012 violation for Atlantic Aviation Services at 2161 Avion Street for failure to update mobile refueler records to prove compliance with permit conditions, and for failure to update tank farm permit with 2nd Jet A fuel tank.
- 1989 permit application to modify Beechcraft West Avgas and Auto Fuel Farm pad at 2161 East Avion Street.
- 1989 permit application for the alteration of three storage tanks at Beechcraft West-2161 East Avion Street. Tank #1 is a 25,000-gallon Jet-A storage tank, tank #2 is a 25,000-gallon Jet-A storage tank, and tank #3 is a 15,000-gallon Jet A storage tank.
- 1989 permit application for existing 6,000-gallon underground gas tank at Beechcraft West-2161 East Avion Street.
- 1996 permit application for change of permittee for the service station for storage and dispensing at Mercury Air-2161 East Avion Street.
- 1999 Mercury Air Center application for permit to construct mobile refueler at 2161 East Avion Street.
- 1999 permit application for existing mobile refueler at Mercury Air Center-2161 East Avion Street.

- 2010 permit application for fuel farm at Mercury Air Center-2161 East Avion Street. Fuel farm consists of two 25,000-gallon Jet A USTs, one 15,000-gallon Jet A UST, one 15,000-gallon Avgas UST, one 6,000-gallon unleaded UST, and one 2,000-gallon waste UST.
- Application for permit to alter Aircraft Engine Turbine Test Cell operated by General Electric company at 1923 East Avion Street in 1986.
- 1989 application for permit to operate Instapak Foam-In-Place Packaging system at General Electric Company-1923 East Avion Street.
- Permit application for surface preparation tanks at General Electric Company-1923 East Avion Place in 1989.
- 1979 permit application for a 40,000 CFM Fume Collection and Exhaust Scrubber system operated by General Electric Company at Ontario International Airport.
- 1990 permit application for an UST for T58 test cell operated by General Electric Company at 1923 East Avion Street.
- 1990 permit application for an UST for calibration fluid operated by General Electric Company at 1923 East Avion Street.
- 1989 permit application for cold solvent degreaser operated by General Electric at 1923 East Avion Street.
- 1989 permit application for one 6,000-gallon gasoline UST and two 6,000-gallon diesel USTs operated by General Electric at 1923 East Avion Street.
- GE Engine Services Facility Equipment Report that lists permits for soil treatment and vapor extraction, activated carbon adsorber vents, jet engine test facilities, and title V permit at 2264 Avion Place.
- GE Engine Services Facility Equipment Report that lists permits for a turbine engine (>50 MW) other fuel, two gasoline storage tanks, and a petroleum middle distillate storage tank at 2264 Avion Place.
- 1992 permit to operate nitric acid surface preparation line consisting of: unheated nickel stripping tank, steam heated nickel stripping tank, associated rinse tanks operated by General Electric Company at 1923 East Avion Street.
- 1992 permit to operate strip tank, cold, nitric acid operated by General Electric Company at 1923 East Avion Street.1979 application for permit to construct metal spray booth Ontario International Airport.
- 1979 application for permit to construct dry spray booth with oven enclosure.
- 1988 application for permit to construct a 2,500-gallon 1,1,1 Trichloroethane storage tank system operated by General Electric at 1923 East Avion Street.
- 1988 application for permit for a 17,000-gallon above ground epoxy-lined steel bulk storage tank containing JP-4 operated by General Electric Company at 2264 Avion Place.
- General Electric Permit to operate a foam packaging system, closed cell, sealed air corporation, instapak 715, with one 55-gallon drum containing polymeric isocyanate and one 55-gallon drum containing polyurethane resin at 1923 East Avion Street.

- 1979 permit to operate paint spray control system operated by General Electric Company at Ontario International Airport.
- 1979 permit to operate metallizing spray booth operated by General Electric Company at Ontario International Airport.
- 1979 permit to operate paint spray booth operated by General Electric Company at Ontario International Airport.
- 1993 permit to operate gasoline dispensing nozzle, equipped with phase II vapor recovery system, balance retractor and 6,000 gasoline UST equipped with Phase I vapor recovery system at Beechcraft West-2161 Avion Street.
- 1992 General Electric Company Permit to operate nitric acid surface preparation line consisting of an unheated nickel stripping tank, steam heated nickel stripping tank, and associated rinse tanks at 1923 East Avion Street.
- 1990 General Electric Company Permit to operate 2,000-gallon jet fuel UST at 1923 East Avion.
- 1997 Mercury Air Group Permit to operate a fuel storage and dispensing facility at 2161 East Avion Street. The facility consists of gasoline dispensing nozzles, equipped with phase II vapor recovery system, balance retractor and 6,000-gallon gasoline USTs with phase I vapor recovery system, not methanol compatible.
- General Electric Company 1989 Permit to operate Jet-A fuel oils storage tanks (No. 1, No. 2, No.3, and No.4), with fixed roof types and a 16,500-gallon capacity at 2264 East Avion Place.
- General Electric Company 2001 Permit to operate soil vapor extraction and treatment system, for area “A,” “B”, and “C” consisting of vapor extraction wells and ducts, water knockout pot, extraction blower, and three carbon adsorbers at 2264 East Avion Drive.
- 2010 Atlantic Aviation Services Permit to operate Jet A/Aviation gasoline/gasoline bulk loading/unloading facility at 2161 East Avion Street. The facility consists of two 25,000-gallon jet A USTs, one 15,000-gallon jet A UST, one 15,000-gallon aviation gasoline UST, one 6,000-gallon gasoline UST, one 2,000-gallon waste gasoline UST, three position tank truck jet A/aviation gasoline/gasoline loading system.
- 2010 Atlantic Aviation Services Permit to operate cargo tank motor vehicle fueling system (mobile fueler) at 2161 East Avion Street. The fueling system consists of a dual compartment gasoline/diesel dispensing mobile fueler (one 1,000-gallon gasoline compartment, equipped with phase I vapor recovery system and one 1,000-gallon diesel compartment, not equipped with phase I vapor recovery system), and one gasoline dispensing nozzle with 50’-0” coaxial hose on a retractable hose reel, equipped with phase II vapor recovery system.
- General Electric 1991 permit to operate air pollution control system at 1923 East Avion Avenue. The system consists of a metallizing spray booth, cyclone separator, dust collectors, and an exhaust system with a 75 H.P. Blower venting a metallizing spray gun.
- Mercury Air Center 2000 permit to operate a cargo tank motor vehicle fueling system (mobile fueler) at 2161 East Avion Street. The fueling system consist of a dual compartment gasoline/diesel dispensing mobile fueler equipped with one 700-gallon

compartment gasoline tank and one 500-gallon compartment diesel tank, and one gasoline dispensing nozzle.

- 1997 GE Engine Services permit to operate abrasive blasting system at 1923 East Avion.
- General Electric Company 1990 permit to operate a fuel storage and dispensing facility at 1923 East Avion Street. The facility consists of underground gasoline storage tanks (each 6,000-gallons), gasoline dispensing nozzles vented to vapor recovery system, underground diesel storage tanks (each 6,000-gallons), and diesel dispensing nozzles.
- Beechcraft West 1990 permit to operate a fuel storage and dispensing facility at 2161 East Avion Street. The facility consists of one 6,000-gallon underground gasoline storage tank, and one gasoline dispensing nozzle vented to vapor recovery system.
- Ontario Airport Maintenance 1998 permit to construct/operate a spray booth at 2132 East Avion Street.
- 1983 permit to operate petroleum distillate storage, loading and dispensing facility at Ontario International Airport-Beech Craft West. The facility consists of two 25,000-gallon underground jet-A storage tanks, two 15,000-gallon underground aviation gasoline storage tanks, one jet-A dispensing nozzle, one aviation gasoline dispensing nozzle, Jet-A dispensing pump, and two aviation gasoline dispensing pumps.
- General Electric Company Permit to operate 1,1,1 trichloroethane storage system consisting of two 500-gallon storage tanks at 1923 East Avion Street in 1988.
- Two General Electric Company 1988 permits to operate 16,500-gallon storage tank no. 4 with a fixed roof for JP-4 storage. Storage tank is located at 1923 East Avion Street.

Off-Site Property Records

- Off-Site: Facility Equipment List Report including a 1990 permit to operate a Service Station for Storage and Dispensing Gasoline, and a 1990 permit to operate amine treating at 1230 Tower Drive. Both were granted.
- Off-Site: Violation issued at 1230 Tower Dr. in November 1994 for failure to maintain vapor recovery system.
- Off-Site: Permit application for diesel-fueled emergency generator at Federal Aviation Administration in 1994.
- Off-Site: November 1994 notice to comply with the application of instruction stickers, including a toxic warning label, to gas pumping equipment at 1230 Tower Dr. Ontario, CA.
- Off-Site: April 1988 application for permit to construct and permit to operate gasoline storage and dispensing facility at Ontario International Airport Fire Station (1230 Tower Dr., Ontario, CA). One underground gasoline storage tank and one underground diesel storage tank noted.
- Off-Site: November 1990 permit application to construct/operate a fuel storage and dispensing facility at 1230 Tower Dr., Ontario, CA. The facility consisted of an underground gasoline storage tank, gasoline dispensing nozzles vented to vapor recovery system, balance retractor, underground diesel storage tank, and diesel dispensing nozzles.

- Off-Site: Application and permits to operate diesel-fueled internal combustion engine at 1250 Tower Drive from 1994 for Federal Aviation Administration.
- Off-Site: Federal Express 2005 permit to construct/operate a fuel storage and dispensing facility at 1801 Avion. The facility consists of a gasoline UST with 10,000-gallon capacity, and two gasoline nozzles dispensing two products.
- Off-Site: Permit to operate gasoline fueling and dispensing facility operated by Federal Express Corporation at 1801 Avion. The facility consists of one gasoline storage tank, three gas dispensing nozzles, and vapor recovery system.
- Off-Site: General Electric Permit to operate test cell no.2, jet engines at 2264 Avion Drive.1993 Permit to operate aviation gas and jet-A fuel storage and aircraft fueling facility at Beechcraft West-2161 East Avion. The facility consists of one 15,000 aviation gasoline UST, two 20,000 and one 15,000-gallon jet-A fuel USTs, one aviation gasoline dispensing system, and one jet-A gasoline dispensing system.1979 permit to operate vapor degreaser operated by General Electric Company at Ontario International Airport
- Off-Site: Violations issued March 1990 for failure to obtain permit to operate diesel tank and diesel generator at Cal Air National Guard at 2500 Jurupa Street.
- Off-Site: Application for permit to operate existing USTs at 2500 Jurupa Avenue in May 1990. The tanks consist of one 4,000-gallon gasoline tank and one 6,000-gallon diesel tank installed in 1958 and 1966.
- Off-Site: Application for permit to construct and operate spray paint and solvent booth at Air National Guard Station in 1986.
- Off-Site: Application for permit to construct and operate spray paint booth at California Air National Guard Station in 1978.
- Off-Site: 2002 application to replace existing diesel-fueled emergency standby engine generator with a Kohler 180ROZJ at 1250 Tower Drive.
- Off-Site: 2007 Permitted equipment list at GE Engine Services that lists Turbine Engine Test Cell #1, Turbine Engine Test Cell #2, and four soil vapor extraction and treatment system permit.
- Off-Site: 1978 permit to operate paint spray booth at Ontario Air National Guard.
- Off-Site: Permit to operate fuel storage and dispensing facility at 2500 Jurupa Street in 1990. The facility consists of a 4,000 underground gasoline storage tank, gasoline dispensing nozzles vented to vapor recovery system, balance retractor, a 6,000 underground diesel storage tank, and diesel dispensing nozzles.
- Off-Site: Permit to operate gasoline storage and dispensing facility with O2 nozzles at the Ontario Air National Guard Base in 1981.
- Off-Site: GE Engine Services, LLC Facility Equipment Report that lists permits for gasoline storage tanks, petroleum middle distillate storage tanks, JP-4 storage tank, fuel oil storage tank, Jet-A storage tank, soil treatment vapor extract gasoline, soil treatment vapor extract VOC, Title V permits at 2264 Avion Place.
- Off-Site: 1995 violation for Federal Express Corp at 1801 Avion to install rubber ring/casket in fill cap of U/L gasoline tank and to install additional decals in fueling station.

- Off-Site: 1988 violation for the City of LA Department of Airports at 2132 East Avion Street for gas dispensing equipment and diesel tank.2003 asbestos complaint report at 2132 East Avion Street, Terminal One west end basement. Complaint alleged that workers were exposed to asbestos containing materials. Complaint stated that some of the workers were told to enter an area that was known to have asbestos containing materials and put down plastic covering on the floor.
- Off-Site: Permit application for Detroit Diesel electric generator at Federal Express Corporation in 1995.
- Off-Site: 1987 application for permit to construct/operate two USTs at 1801 Avion. One tank is 150,000-gallon/year unleaded gasoline and the other is 30,000-gallon/year diesel tank.
- Off-Site: Permit application for diesel fueled electric generator at Federal Express 1995.
- Off-Site: 2005 permit application for modification of 10,000-gallon gas UST with two new unleaded nozzles at Federal Express.
- Off-Site: 1998 permit application to construct paint spray booth at 2132 East Avion Street.
- Off-Site: Applications for permits for three Jet-A fuel oil storage tanks (No. 1, No. 2, No. 3) in 1989 operated by General Electric Company at 2264 East Avion Street. The tanks are fixed roof tanks with 16,500-gallon capacity.
- Off-Site: 1990 permit application for waste fuel/oil UST operated by General Electric Company at 2264 Avion Place.
- Off-Site: 2007 non-emergency internal combustion engine (ICE) application for Express Jet Airlines at Ontario International Airport-Avion Drive. ICE is diesel-fueled.
- Off-Site: 1990 Permit to construct/operate fuel storage and dispensing facility consisting of an underground gasoline storage tank, gasoline dispensing nozzles vented to vapor recovery system, underground diesel storage tank, and diesel dispensing nozzles at 1230 Tower Drive.
- Off-Site: Facility Equipment Report that lists a permit to operate a service station for storage and dispensing gasoline (1976), permit for amine treating (1990), permit for amine (or DEA) regeneration (1976), permit to operate spray paint and solvent booth (1990), abrasive blasting permit (1900), and a cancelled permit application for a spray paint/solvent booth (1986) at 2500 Jurupa Avenue.
- Off-Site: Permits to operate diesel-fueled internal combustion engines at 2500 Jurupa Avenue from 1990.
- Off-Site: Facility Equipment Report that lists a permit to operate a service station for storage and dispensing gasoline (1987 and 2005), permit to operate amine treating (1987), and two canceled permit applications for diesel-fueled internal combustion engines at 1801 Avion for Federal Express.

6.1.3 San Bernardino Fire-Hazardous Materials

The San Bernardino County Hazardous Materials Division responded on 22 September 2021 with a report of records at their office that consist of “30 files, 50 volumes, approximately 96” thick,

combined to a total of 8 feet." Most records are included within ERIS and the online databases Envirostor and Geotracker. Significant records are summarized below.

- Advanced GeoEnvironmental, Inc. (AGE) prepared a report summarizing the removal of seven USTs and subsequent soil sampling and excavation activities in May 2013 at 2161 East Avion Street, the former Beechcraft West fuel farm area. Hydrocarbon odors and stained soil were noted in the dispenser sample taken as well as the two soil samples taken beneath UST T7. TPH-g and TPH-d were detected in samples T7C-9, T7C-14, and D-4. The area under the former dispenser and UST7 was further excavated until stained soil was no longer visible. AGE recommended the closure of this former UST facility.
- Fuel/Wastewater Spill Report for Mercury Air Center at 2161 East Avion Street. In May 2001, a spill of approximately 50-100-gallons of aviation fuel mixed with wash water onto a paved area at the southwest corner their facility. Cracks in the old pavement may have allowed for the contaminants to penetrate the soil. An oil-soaked area of dirt near the spill was also contaminated. A 500-gallon clarifier on the west side of the fuel dispensing area was also reported to regularly discharge clarified wastewater onto to the pavement south of the clarifier. RWQCB recommended the discontinuation of discharges of clarified water to the pavement and instead, haul 100 percent of the wastewater and fuel offsite for proper disposal.
- 1992 letter confirming the completion of Site investigation and remedial action for the removal of UST at the GE Aircraft Engines-Engine Maintenance Center at 1923 East Avion Street. The county of San Bernardino indicated that the extent of contamination observed in the Jet-A UST (Tank 11) and calibration fluid UST (tank 9) is limited and does not require further investigation.
- 1988 Phase I Environmental Audit prepared by Camp Dresser and McKee Inc. Table summarizes the USTs at Ontario International Airport, including 7 located at Beechcraft West, 5 at the National Guard Hangar location, and 12 related to the Engine Maintenance Center operated by General Electric. At this time, three of the 12 tanks had been removed. Of the nine tanks remaining, three reportedly failed integrity tests due to piping leaks and four had contaminated soil near them. The Beechcraft West facility was reported to store USTs of various fuel in seven tanks at their fuel farm with a total capacity of over 88,000-gallons.
- 1993 Underground Storage Tank Closure Plan for an 8,000-gallon UST (Tank 4) located within the GE's Engine Maintenance Center at 1923 East Avion Street. The tank was used to store waste calibration fluid for 6-months and a dilute fluorescent penetrant waste stream for 9 years. No known releases have been associated with the tank.
- 1998 soil Investigation Report letter summarizing the subsurface soil investigation performed at Mercury Air Group/Raytheon at 2161 East Avion Street following the removal of a 500-gallon waste oil tank. The soil sample exhibited a total recoverable petroleum hydrocarbon (TRPH) concentration of 1270 milligrams per kilograms requiring further assessment of the area. A boring hole was drilled in the center of the former UST and detected concentrations of TRPH from non-detect to 35 mg/kg. Based on these results, CTL recommended the closure of the former UST area.
- 2006 Hazardous Waste Generator and Hazardous Materials Handler Report at GE Engine Services at 1923 East Avion Street. Staining was observed in the Campbell grinding room associated with Hangar 5 (the administration building), cleaning line room in Hangar 1,

and previous storage location for T-20 and T-21 adjacent to 61W-29. It was recommended that surface swab samples be taken to ensure the facility is acceptable for occupation.

- 2003 letter regarding the release of contaminants at 1801 East Avion Street. Federal Express accidentally released waste oil, fuel and/or halogenated solvents onto the soil and/or into groundwater. This letter is Federal Express's official notice that Los Angeles World of Airports is aware of the various contaminant releases by their company.

6.1.4 DTSC-Cypress Office

The DTSC-Cypress Office responded on 3 September 2021 with the records they had on file. The most recent documents on General Electric, 1923 East Avion St. could be found on Envirostor (80000416). As well as 95% of entire site documents pertaining to General Electric Test Cell at 2264 Avion Place could be found on Envirostor (36370024). These sites are talked about in more detail in Section 7.1.9.

6.1.5 Cal Fire-Office of the State Fire Marshall

Records from Cal Fire-Office of the State Fire Marshall (OSFM) obtained 15 September 2021 are summarized below.

- In July 2007 a small leak of potential fuel was identified at the fuel/water separator on the site at 2264 East Avion Drive. The leak appeared to be there for some time but was not a potential fire problem. No hazardous materials were released.
- In August 2017, a diesel fuel spill of approximately 5-gallons was reported at the ASIG maintenance yard on 1049 South Vineyard Avenue. Hazardous materials were released. The Jet A spill was reported to be covered with absorbent and was going to be cleaned up from a vendor on site.

6.1.6 RWQCB-Santa Ana

The RWQCB responded on 13 September 2021 with the records they had on file. All records for 1923 East Avion Street could be found on GeoTracker. Records pertaining to 2264 East Avion could also be found on GeoTracker with eight hardcopy folders available for review at their office. Storm Water information for 2500 Jurupa Street and 2264 East Avion were sent over in a link. No records could be found for 1049 South Vineyard Avenue, 1280 South Tower Drive, 1230 South Tower Drive, 1250 South Tower Drive, 1801 East Avion Drive, 1922 East Avion Drive, 2132 East Avion Street, 2161 East Avion Street, and 2475 East Avion Street.

6.1.7 San Bernardino County Assessor's Office

The San Bernardino County Assessor's Office identifies parcels 011326106, 011326107, 011326108, 011327101 and 011327102 as "City of Ontario" zoning and as exempt from tax assessment. No detailed information is available.

6.1.8 SWQCB GeoTracker

The Ontario International Airport located at 1923 East Avion Street is included in the GeoTracker online database with the case number "T10000012861" and is currently listed as "open-site assessment as of 3/28/2019." The Santa Ana RWQCB is listed as the lead cleanup oversight agency. The documents included in the database include a PFAS Order, OIA Extension Approval, Soil and Water Investigation Workplan, Preliminary Site Assessment Workplan, Technical Correspondences, and a Soil and Water Investigation Report.

General Electric Co-Jet Engine Test Cell Facility at 2264 East Avion Street is included in the GeoTracker online database with the case number “SL208133868” and is currently listed as “open-verification monitoring as of 2/5/2010.” This property is under the control of San Bernardino County and Santa Ana RWQCB. The documents included in the database include a Referral to regional board, groundwater monitoring reports from 2006 to 2021, annual estimation letter for 2019-1010 and annual estimation letter for 2020-2021.

GE Test Cell Facility at 2264 East Avion Street is included in the GeoTracker online database with the case number “T0607100233” and is currently listed as “completed-case closed as of 3/1/2010.” This property is listed as a LUST cleanup site and is under the control of the Santa Ana RWQCB and Department of Toxic Substances Control. The documents included in the database include monitoring reports for the years 1998, 1999, 2001, 2003, 2004, 2014, landowner notification requirements, transmittal letter, quarterly remedial action reports, quarterly status reports, soil sampling reports, soil vapor extraction well destruction report, closure/no further action letters.

The Ontario Air National Guard (Air Force) located at 2500 East Jarupa Street is included in the GeoTracker online database with the case number “T0607174695,” 32055 “DOD100361500,” 80536 “DOD100362900,” Building “DOD100363000,” SI WP “DOD100363100” and is currently listed as “completed-case closed as of 9/11/2000.” This property is listed as a military cleanup site and is under the control of DTSC and Santa Ana RWQCB. The documents included in the database include a request for closure, site investigation report, and a preliminary site assessment report for PFAs.

City Rentals located at 1035 Vineyard Avenue is included in the Geotracker online database with the case number “T0607172337” and is listed as “completed-case closed as of 6/2/2000.” This property is listed as a LUST cleanup site and is under the control of San Bernardino County and Santa Ana RWQCB. There are no documents provided in the database, but lead is listed as a potential contaminant of concern for the soil.

Aircraft Service International Group (ASIG) located at 2500 East airport Drive is included in the GeoTracker online database with the case number “T0607181149” and is listed as “completed-case closed as of 10/11/2016.” This property is listed as a LUST cleanup site and is under the control of San Bernardino County and Santa Ana RWQCB. The documents included in the database include a remedial investigation report, waste manifests and weight receipts, site investigation of jet fuel spill, staff letter, referral to regional board, site investigation workplan, site investigation workplan response, amendment to workplan, request for closure of the site, email correspondence, workplan for vapor testing, vapor testing carried out on January 11, 2016-regulator response, vapor extraction testing report and request for closure, well destruction report, and a closure/no further action letter.

Avis Rent a Car located at Ontario Airport is included in the GeoTracker online database with the case number “T0607100472” and is listed as “completed-case closed as of 10/22/1999.” This property is listed as a LUST cleanup site and is under the control of San Bernardino County and Santa Ana RWQCB. The documents included in the database include an Underground Storage Tank Closure Report from 1997.

Fluor Corp. Flight Operations located at 1150 Vineyard Ave. is included in the GeoTracker online database with the case number “T0607100238” and is listed as “completed-case closed as of 2/18/1992.” This property is listed as a LUST cleanup site and is under the control of San

Bernardino County and Santa Ana RWQCB. There are no documents provided in the database, but aviation is listed as a potential contaminant of concern for the soil.

6.1.9 DTSC-EnviroStor

The Ontario Army Airfield at 1923 East Avion Drive is included in the EnviroStor online database with the case number "80000416," and is currently listed as "no further action as of 3/5/2012." DTSC is listed as the lead agency and the site is listed as a formerly used defense site (FUDS). The documents included in the database include a Preliminary Site Assessment report and Preliminary Endangerment Assessment report completed in 2011. An Inventory Project Report completed in 1992 was also included.

GE Engine Services Inc at 1923 East Avion Place is included in the EnviroStor online database with the case number "80001638," and is currently listed as "inactive-needs evaluation as of 3/20/2013." DTSC is listed as the lead agency. There are no documents included in the database, but aerospace rocket testing/launch, and jet fuel storage/refueling are listed as past uses that may have caused volatile organic (8260B VOCs) to release into the soil and groundwater (uses other than drinking water).

GE Engine Test Cell Facility at 2264 East Avion Place is included in the EnviroStor online database with the case number "36370024," and is currently listed as "refer: RWQCB as of 5/7/2019." DTSC and Santa Ana RWQCB are listed as the lead agencies. The documents included in the database include Preliminary Assessment Report, Removal Action workplan, Remedial Investigation and Remedial Action Plan, Design/Implementation Workplan, Operation and maintenance Agreement, 5 Year Review Reports, Quarterly Monitoring Reports, a letter from LAWA to remove LAWA from General Electric Engine Services Test Cell facility, and Lead Agency Regulatory Oversight Transfer to SARWQCB.General Electric, Main Facility at 1923 East Avion Street is included in the EnviroStor online database with the case number "71002298," and is currently listed as "inactive-needs evaluation." There is no lead agency listed and there are no documents included in the database. The site is related to GE Engine Services Inc (80001638), GE Engine Services Inc (CAD009542721), and GE Engine Services Test Cell facility (36370024).

The Ontario Air National Guard located at 2500 Jarupa Street is included in the EnviroStor online database with the case number "36970008" and is currently listed as a "certified closed base as of 9/11/2000." DTSC is listed as the lead agency. The documents included in the database include a Preliminary Endangerment Assessment Report, two Finding of Suitability to Transfer, two Environmental Baseline Surveys, Certification of Remedial Action, and an Inventory Project Report.

Observation Squadron OAA located at Ontario Army Airport (at the south end of Vineyard Avenue) is included in the EnviroStor online database with the case number "80000874" and is currently listed as "inactive-needs evaluation as of 7/1/2005." DTSC is listed as the lead agency. The documents included in the database include a 1999 USACE Inventory Project Report.

6.1.10 National Pipeline Mapping System

The NPMS Public Viewer[2] enables users to view pipeline locations but limits the scale of the pipeline maps in accordance with the Pipeline and Hazardous Materials Safety Administration (PHMSA) security policy.

[2] https://pvnpms.phmsa.dot.gov/PublicViewer/

A Hazardous Liquid Pipeline is located approximately 0.6 miles to the north of the site, extending along East Airport Drive. A breakout tank and liquid accident is also recorded approximately 1.2 miles to the northwest of the Site.

6.1.11 CalGEM

The CalGEM[3] online Well Finder mapping application interfaces with the online Well Statewide Tracking and Reporting System (WellSTAR) data base and is updated nightly. The Well Finder is used to find and locate oil and gas wells and other types of related facilities throughout the state.

A review of the CalGEM Well Finder for the Site identified one plugged dry hole operated by Argyle Campbell & Co. approximately 6,300 feet to the northeast, and one idle oil and gas well operated by Italian Vineyard Co. located approximately 8,100 feet to the northeast.

The Site is not within a mapped oil field and no oil wells appear to have been located on-Site.

6.2 Regulatory Database Review

GSI contracted with (ERIS) to compile a database report that summarizes the results of a search of federal, state, and tribal agency databases to assess whether the Site or nearby properties are under investigation for potential environmental issues or have been identified as conducting operations that could potentially impact the environment. The database report includes searches of regulatory databases of sites with environmental liens, deed restrictions, land use restrictions, engineering controls, and institutional controls.[4] Significant findings from the database report are summarized below and in Section 7.0. The database report is included as Appendix H.

6.2.1 On-Site Database Information

The Site is listed on several databases. No database records were identified that indicate that the Site is under investigation for potential environmental issues. Additional information obtained from historical reports is included in Section 6.1.

- HIST Tank – 7 hazardous storage containers at Beechcraft West facility at 2161 East Avion Street.
- Delisted Tank – Mercury Air Center at 2161 East Avion Street in 2017.
- Delisted HAZ – Jet Systems International Inc. at 2161 East Avion Avenue Hangar #2 in 2018.
- CERS HAZ – Ameriflight, LLC had violations in 2014 for failure to complete and/or electronically submit a business plan when storing and handling hazardous materials.
- Historical EPA ID numbers utilized to track manifests are listed in HAZNET database and were also identified in the DTSC Hazardous Waste Tracking System (HWTS).[5] The following Generator EPA IDs have been associated with the Site.

[3] https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx

[4] In some cases, environmental databases are not updated by the specific regulatory agencies for periods of up to 1 year (depending on the database). The dates of updates are provided in in the Regulatory Database Search Report, included in Appendix H.

[5] https://hwts.dtsc.ca.gov/

EPA ID Number	Address	Name	First Record	Year Inactive
CAL000038317	2161 E Avion St.	Beatrice/Hunt-Wesson	1991	1997
CAD982019606	2161 E Avion St.	Beechcraft West	1988	1998
CAX000220657	2161 E Avion St.	Beechcraft West	1985	1986
CAL000140205	2161 E Avion St.	Certified Aviation Services Inc.	1998	2005
CAL000140924	2161 E Avion St.	So Cal Edison/Ontario Aircraft	1998	2012
CAD009542721	1923 E Avion St.	GE Engine Services Inc.	1982	2009
CAR000183244	2475 E Avion Dr.	ExpressJet Airlines Inc.	2007	2009

- According to the San Bernardino County-CUPA List (Sanbern CUPA), the Site has numerous inactive and active permits associated with the on-site locations.

Facility ID	Address	Name	Year	Active/ Inactive	Type
FA0011864	2161 E Avion Ave. Hangar 2	Jet Systems International Inc.	2019	Inactive	Small Quantity Generator and Hazardous Materials 1-3 Chemicals
FA0011865	2161 E Avion Ave. Hangar 1	Jettpro Line Maintenance-Atlantic	2018	Inactive	Small Quantity Generator and Hazardous Materials 1-3 Chemicals Special
FA0006303	2161 E Avion St.	Ontario Aircraft Operations	2012	Inactive	Hazardous Waste Generator (11-25 employees) and Hazmat Handler (11-25 employees)
FA0010677	2161 E Avion St.	Mercury Air	2007	Inactive	Special Generator and Special Handler
FA0011845	2161 E Avion	Jettpro Line Maintenance-United	2021	Active	Small Quantity Generator and Hazardous Materials 1-3 Chemicals
FA0004670	2161 E Avion St.	Mercury Air Atlantic Aviation	2013	Inactive	
FA0011874	2161 E Avion St.	Ameriflight, LLC	2012/2021	Inactive/Active	Special Generator/Hazardous Materials 1-3 Chemicals Special

- Historical Hazardous Substance Storage Information Database (HHSS) – Beechcraft West had 7 tanks listed. These tanks are previously summarized in Section 7.0.

- CHMIRS – Reported hazardous material spill at Mercury Air Center at 2161 East Avion Street.
- Emergency Response Notification System (ERNS) – At the Engine Maintenance Center located at 1923 East Avion, one 55-gallon drum leak was reported in 1991. The spill was approximately 2-gallons of C 623 60% phosphoric acid (4x5 feet) and was contained on concrete floor. 100-gallons of phosphoric acid was accidentally discharged into the cleaning line sump at Engine Maintenance Center in 1991. The spill was contained on site and product neutralized with caustic soda. 80-gallons of water and 80-gallons of sodium hydroxide released in 1991 due to tank overflow due to compressor failure on flow lines. The material was contained on the facility and pumped into barrels.

6.3 Off-Site Properties

A preliminary database review of the Site and surrounding properties using the DTSC's Envirostor online database and RWQCB's Geotracker online database was completed. Significant records identified for properties located closest to the Site are included in this section. Additional on and off-Site database review will be conducted during the Phase I ESA implementation.

6.3.1 Ontario International Airport[6]

This property is located adjacent to the Site to the east on a former training area and shooting range. The GeoTracker file lists the RWQCB as the lead agency for a site assessment that has been open as of 28 March 2019. The potential contaminants of concern are per- and polyfluoroalkyl substances (PFAS). Documents included in the database include a work plan and preliminary site investigation report for the determination of the presence of PFAS at the site.

The preliminary site investigation identified two areas at the Site where AFFF was either known to have been used or likely to have been used: the Shooting Range and Former Training Area. AFFF was potentially used at the Shooting Range in the 1990s as well as from 2000 to 2015 at the Former Training Area. A UST for AFFF also exists in the Former Training Area. In accordance with the 2019 Work Plan for Preliminary Investigation of PFAS, soil and groundwater samples were taken from various locations across the two areas of concern and analyzed (Alta 2020).

[6] https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000012861

2021 PFAS Sampling Area



The 2020 Preliminary Site Investigation Report for the Determination of the Presence of Selected PFAS concluded the following:

- Concentrations of PFAS in soil sampled at Areas 1 and 2 generally exhibited a decreasing trend with depth with higher concentrations detected in shallow soil to depths of up to 5 feet and lower to non-detect concentrations collected from deeper samples at 10 feet depth.
- Based on the results of the general chemistry analysis and comparison to primary and secondary drinking water standards, the groundwater sampled as part of this investigation may be suitable for drinking water.
- Concentrations of PFAS in groundwater varied but were generally not detected above laboratory reporting limits for most compounds.

6.3.2 General Electric Test Cell Main Facility[7]

This property is listed as a Tiered Permit site type. Related facilities include the following:

- GE Engine Services Inc (EnviroStor 80001638)[8] – Listed as "Inactive – Needs Evaluation" under the Corrective Action program.
- GE Engine Services Inc (CAD009542721)[9] – Listed as "Closed" under the Haz Waste – RCRA Interim Status Permit.
- GE Engine Services Test Cell Facility (AKA GE Aircraft, EnviroStor 36370024)[10] – listed as "referred to RWQCB" under the State Response program. This portion of General Electric is addressed in the Surrounding Properties Section of this document.

This property is located to the south of the Site and has been used as a test facility for commercial and military jet engines since 1956 to the present. EnviroStor lists DTSC as the lead agency in charge of site cleanup. Approximately 6,000-gallons of hazardous waste were disposed of in dry wells and there is an estimated 600 cubic yards of waste and contaminated soil on site. Traces of 1,1,1-trichloroethane (TCA), tetrachloroethene (PCE), chloroform, naphthalene, 2-methylnaphthalene, and volatile aromatic (xylene, toluene, ethylbenzene) were reported in soils near the dry wells in 1987. Hazardous substances disposed of in drywells have the potential to enter groundwater and contaminate drinking supplies, the workers on site may also be exposed to VOCs if contaminated soils are excavated.

A consent order between General Electric (GE) and Department of Health Services (DHS) was signed September 28, 1988, for groundwater and soil remediation. A remedial investigation/feasibility study was done in 1993 to fully characterize the site, and vapor extraction treatment systems were put in place in 1996. An enforceable agreement for operation and maintenance was signed by DTSC and GE in August 1998, and reports on the status of operation have been submitted to DTSC quarterly since. The concentrations of VOCs in shallow soil areas A, B, and C have reached acceptable closure levels with the shallow extraction wells needing to be maintained until sufficient data can be gathered.

In 2008, GE submitted the second five-year review report recommending completion of VOC remediation for both shallow and deep soils. In 2013, DTSC discussed this recommendation with RWQCB who recommended that DTSC hold the decision until confirmation samples can be taken to determine whether VOCS from the soil have been migrating to groundwater. A workplan to install additional groundwater monitoring wells and adjacent soil vapor probes was approved in 2013 and in 2014, GE completed drilling and installation.

In 2015, RWQCB concluded that soil is no longer a source of releases to groundwater. Groundwater monitoring continues under RWQCB's oversight. In 2019, RWQCB contacted DTSC regarding increasing trends of VOCs observed in offsite groundwater monitoring data and the project was transferred to SARWQCB on May 6, 2019, in order to minimize overlap of investigation between the two agencies.

[7] https://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=71002298
[8] https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001638
[9] https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD009542721
[10] https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36370024

6.3.3 General Electric Co. Jet Engine Test Cell Facility located at 2264 Avion Drive, Ontario[11]

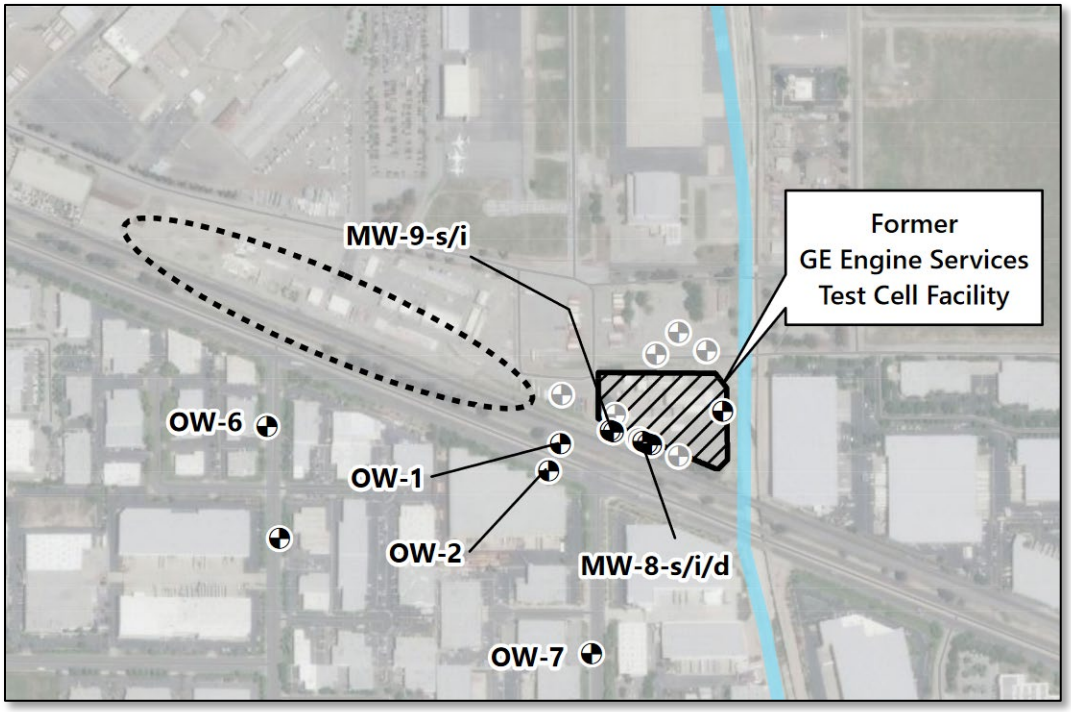
This site has been operated by General Electric Engine Services as an aircraft engine facility since 1956. Chlorinated solvents were used in the 1950s and 1960s. In the early 1970s, 1,1,1-trichloroethane (1,1,1-TCA) replaced TCE. Groundwater monitoring began in 1991 and has been on-going on a quarterly basis since first quarter 2000. Work is currently being performed in accordance with State of California, Department of Health Services (DHS) Consent Order No. 88-89-009CO. The RWQCB became the lead agency for groundwater investigations in 1994. The DTSC, formerly the DHS, subsequently released investigation of all media to the RWQCB in May 2019. The groundwater monitoring program consists of measuring depth to groundwater (DTW) and collecting groundwater samples from up to 35 on-site and off-site monitoring wells. Additionally, four piezometers located adjacent to Ely Basins owned by San Bernardino County are included in the groundwater monitoring program. The constituent of concern in groundwater are VOCs, primarily TCE.

A 2021 Work Plan for Soil Vapor and Groundwater Investigation at Upgradient and Cross-Gradient Locations is the most recent document available on the Geotracker database website. The objective of the work plan is to evaluate potential upgradient sources of VOCs observed at groundwater monitoring well OW-6, which is located 1,300 feet west and upgradient of the General Electric facility. This well has identified an increase in TCE concentrations in groundwater since 2015. The well is screened between 251 and 276 feet below ground surface (bgs).

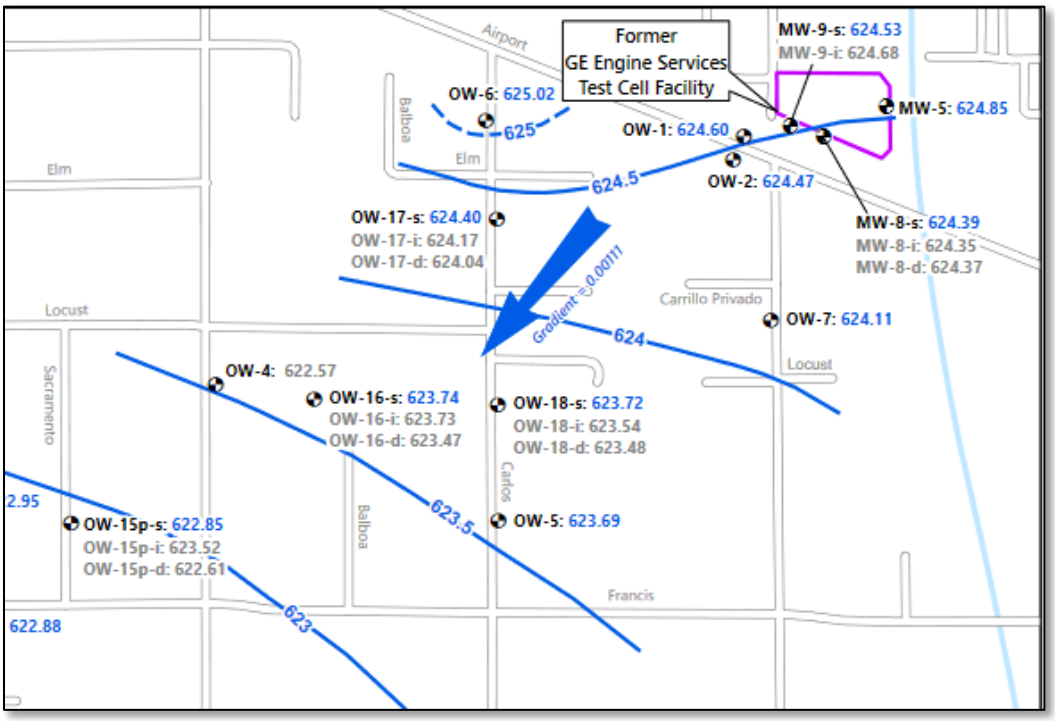
The site is open with verification monitoring as of 5 February 2010. Tetrachlorethylene (PCE) and Trichloroethylene (TCE) are listed as the potential contaminants of concern. The aquifer used for drinking water is the potential media of concern. According to a Second Quarter 2021 Groundwater Monitoring Report, analytical results for 22 of the 31 wells sampled indicated TCE concentrations greater than the California Maximum Contaminant Level (MCL) of 5 micrograms per liter (µg/L). However, TCE concentrations in the most downgradient monitoring well (OW-11) have remained below the MCL since groundwater monitoring began.

[11] https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL208133868

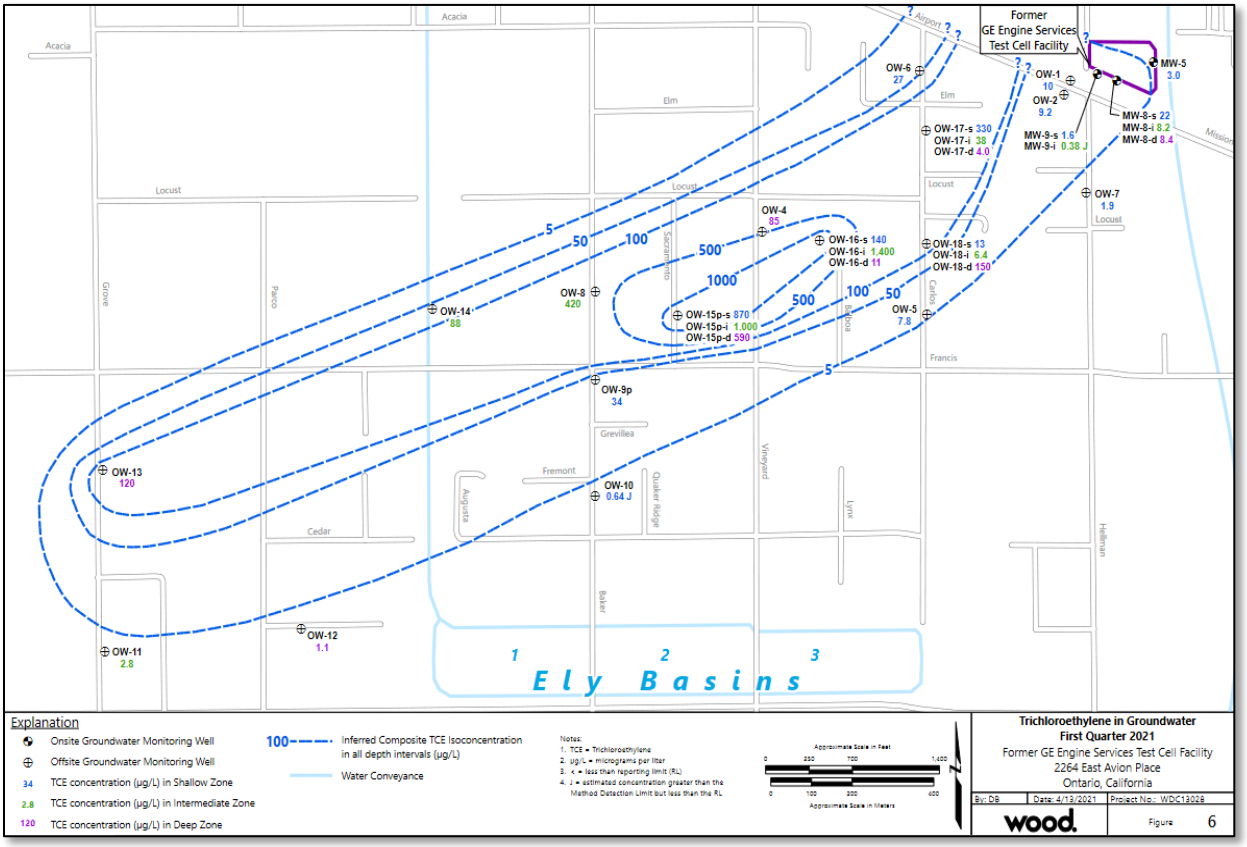
2021 Proposed Investigation Area (dashed oval; Wood, 2001a; Figure 1)



Groundwater Elevation and Direction (Wood, 2021b)



TCE in Groundwater (Wood, 2021b)



6.3.4 Ontario Air National Guard located at 2500 Jarupa Street

- GeoTracker T0607174695[12] - This property is listed as “completed, case closed as of 9/11/2000”
- GeoTracker 32055 DOD100361500[13] - This property is listed as “completed, case closed as of 9/11/2000”
- GeoTracker 80536 DOD100362900[14] - This property is listed as “completed, case closed as of 9/11/2000”
- GeoTracker DOD1003623000[15] - This property is listed as “completed, case closed as of 9/11/2000”
- GeoTracker DOD1003623100[16] - This property is listed as “completed, case closed as of 9/11/2000”EnviroStor 3697008[17] – This property is listed as “certified as of 9/11/2000”

[12] https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607174695
[13] https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=DOD100361500
[14] https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=DOD100362900
[15] https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=DOD100363000
[16] https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=DOD100363100
[17] https://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=36970008

The Ontario Air National Guard Station is an approximately 14-acre site that is located off-site to the east and at the southern portion of parcel 68 (68-22). It was originally used as a U.S. Army Airfield from 1942 through 1948, with air and pilot training as its primary use. It closed in September 1998 and is under the jurisdiction of the Force Base Conversion Agency. It is a formerly used defense (FUD) installation. In 1989, RWQCB issued a Cleanup and Abatement Order (CAO) to investigate the ground water and has been overseeing their site inspection activities since. There are three Installation Restoration Program sites (SS-01, ST-02, and ST-03) and five area of concerns (AOCs) that have been investigated. Site SS-01 covers the area between the maintenance shop (Bldg.03), shed (Bldg. 14) and the Cucamonga Creek channel. It was approved for closure by DTSC and the Santa Ana RWQCB based on confirmation samples collected in 2000. Site ST-02 and ST-03 contained eight USTs that were closed in 1996 under the supervision of the San Bernardino County. The five AOCs included an 8,000-gallon septic tank for Building 2 that discharged into a leach field. The Septic Tank and Leach Field were removed and disposed of in 1999. Two concrete Oil/Water Separators at Bldg. 06 and 14 were removed in 1995 and 1996. A wash rack at Bldg. 10 and a former Fire Training Area were investigated in 1999 and found to be clean. Building 2 and Building 6 were found to have stored hazardous wastes at their facilities. The current site conditions and analytical test data indicated no further action is required at all installation restoration program sites and AOCs.[18]

A 2015 Per-fluorinated Compounds (PFCs) Preliminary Assessment was conducted by AMEC Foster Wheeler Environment & Infrastructure to investigate whether aqueous film forming foam (AFFF), containing PFCs, were stored, handled, used, or released at the former Ontario ANGS. Research was conducted for the years 1970 through 1998 using personal interviews, online research of Administrative Record, documents requested and provided by the Air Force Civil Engineer Center, and archival research at the Air Force Historical Agency. The information obtained during the research indicated that AFFF, containing PFCs, were not used at the former Ontario ANGS.[19]

6.3.5 Aircraft Service International Group at 2500 East Airport Drive, Ontario[20]

This site is located within the Ontario International Airport, northeast of the Site, and contains an underground fuel storage tank farm formerly used for jet fuel storage. In June 2006, a spill of approximately 5,500-gallons of Jet-A fuel occurred on the ground surface. Approximately 5,052-gallons of the spilled fuel was recovered from the ground surface, and 315 tons of contaminated soil around the USTs was excavated and thermally treated in June 2010. TPH (Jet A) concentrations of 12,000 mg/kg, 100 mg.kg, and TPH (DRO) concentrations of 90 mg/kg, and 33 mg/kg were detected at depths of 2 feet, 4 feet, 6 feet, and 8 feet bgs.

Between January and February 2012, one 20,000-gallon gasoline UST, one 20,000-gallon diesel UST, and five 40,000-gallon Jet-A fuel USTs were removed from the site. After UST removal, approximately 2,800 tons of petroleum-contaminated soil were removed from the UST excavation and transported to TRS in Azusa, California for treatment and disposal by low-temperature thermal desorption. Field observations and laboratory analyses of soil samples taken during the UST removals were consistent with the known history that a release of petroleum hydrocarbons has occurred at the site.

[18] https://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=36970008
[19] Geotracker T0607174695
[20] https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607181149

Following a 2014 Work Plan, a 24-hour high vacuum soil vapor extraction test was performed in January of 2016. The total equivalent number of hydrocarbons recovered through vapor extraction during the 1-day event was 3.80 pounds (based on laboratory data), or 7.78 pounds (based on the field organic vapor analyzer data). The highest concentration of TPH (GRO) was 260 ppmv, and the highest concentrations of BTEX and MtBE were <0.20 ppmv, 0.97 ppmv, 0.56 ppmv, 3.5 ppmv, and <0.2 pppmv. The Site was evaluated in accordance with the criteria specified in California's Low-Threat Underground Storage Tank Case Closure Policy. It was concluded that the site does not present a threat to groundwater or a significant threat to human health. Due to the unlikelihood of the property use changing anytime soon, site closure was recommended. The case was closed as of 10/11/2016.

6.4 Environmental Lien Search and Activity and Use Limitations

GSI was not retained to perform a search for environmental liens and activity and use limitations (AULs) at the Site.[21] We understand Mr. Winters is researching liens through their land title review work and we understand they have not identified any liens or AULs to date.

Databases were searched by ERIS that record information related to environmental liens and AULs and did not include any listings for the Site. The Site also is not on the online listing of deed restricted properties maintained by DTSC[22] or SWRCB.[23]

7.0 SUMMARY OF FINDINGS

The Site is located in Ontario, California and comprises of approximately 97 acres of the Ontario International Airport that was previously agricultural property or vineyards until the mid to late 1950's. The Site consists of 24 buildings and Hangars, ancillary structures, and parking facilities. The Site is located north of East Avion Street and west of the Cucamonga Creek with a small portion connecting to South Hellman Avenue. The Site is broken down into five parcels, Parcel 61, Parcel 62, Parcel 63, Parcel 67, and Parcel 68.

Historically, Parcel 61 was occupied by Northrop Aircraft Company and Douglas Aircraft in the 1950s. Lockheed Aircraft occupied Hangar 4 between 1955 and 1980. In 1955, GE Engine Services, Inc. moved their operations to the Site and Northrop vacated. The former Los Angeles Police Department (LAPD) Emergency Vehicle Operations Course (EVOC) was previously located in the center of the Site along the western border of Parcel 62. Historical use on Parcel 61 has included the use of chlorinated solvents, the storage and dispensing of fuel, fire suppression chemical storage, and hazardous waste storage and waste treatment (including clarifiers, wash racks, and sumps). Multiple underground storage tanks (USTs) have been documented at the Site and documentation of removal was not identified during this investigation.

Parcel 62 was primarily agricultural until the 1950s. In 1983, the main Hangar and office building were developed, and by 1987, the second Hangar was in use. In 1994, an outbuilding maintenance area was constructed and put into service. A fuel farm was located on the southwestern corner of the Site and two clarifiers, and a maintenance shop have been documented on the Parcel. Historical use of chemicals at Parcel 62 has included chlorinated

[21] AULs are defined in the ASTM Standard as legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, and/or surface water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.
[22] https://www.envirostor.dtsc.ca.gov/public/deed_restrictions.asp
[23] https://www.waterboards.ca.gov/water_issues/programs/deed_restrict/

solvents, and fire suppression chemical storage. Poor housekeeping was identified in the vicinity of unmarked drums and stained concrete around the fire suppressant storage area within the Guardian Jet Center. Multiple USTs have been documented at the Site. Although it appears that the USTs located on Parcel 62 have been removed, closure documentation was not identified, and some impacted soil from at least one leaking UST remains in place at the Site.

Parcels 67 and 68 historically included the Ontario Air National Guard Station (ANGS) with ancillary structures to the south and east. In the 1950s, a Hangar, fire station, fueling station, and wash rack were constructed at the Site. In 1952, the 196th Tactical Air Support Group was assigned to the Ontario Airport. During this time, the facilities were updated, and operations included the maintenance of aircraft vehicles and aerospace ground equipment. A munitions bunker was constructed in the 1950s and later used by Lockheed in the 1990s for storage of ammunition and explosives. The 196th vacated the Site in 1983 and the 148th Combat Communications Squadron (CBCS) occupied the Site from 1984 through 1998. The ANGS was closed in September 1998. Historical use on Parcels 67 and 68 has included the use of clarifiers, Above ground storage tanks (ASTs), and USTs. Although USTs have been removed, documentation of regulatory closure was not identified and there is reference to one UST that was not accounted for during the removal process. Poor housekeeping was identified in the vicinity of a leaking waste drum.

The southern portion of the Site is comprised of Parcel 63 and a small portion of Parcel 61. This location has been primarily agricultural and historically stored a bunker. These parcels are currently utilized for parking and include a large storm drain outlet.

During the three-day Site reconnaissance, many of the features identified in the Parcel descriptions above were identified and added to Table 1 and Figure 3. Historic UST areas were identified next to the former California Air National Guard (CANG) Hangar and southwest of the current Guardian Jet Center Hangars. Three concrete secondary containment structures were observed at 61W-29 where aboveground storage tanks used to be held. Two clarifiers were observed east of the Guardian Jet Center Hangars as well. A wash rack and backfilled clarifier was identified northeast of the CANG Hangar as well as a former fueling station. Multiple locations across the Site were identified to have staining. A concrete pad with red staining was observed to the east of the Guardian Jet Center Hangars. Inside of the Guardian Jet Center southern Hangar, staining was observed around the aqueous film forming foam (AFFF) suppression system. The large hydraulic jacks adjacent to Hangar 1 were observed to be leaking oil that had stained the asphalt underneath them. Two above ground fuel tanks were observed in secondary containers inside a shed at the former CANG maintenance yard. AFFF fire suppression tanks were observed inside the Guardian Jet Center Hangars. A shed to the northeast of Hangar 3 and the ancillary structure next to Hangar 4 were observed to have hazardous waste storage signs. Multiple drums and drains were located throughout the Site.

This assessment has revealed RECs, CRECs, and de minimis conditions in connection with the Site, which are summarized in Section 1.0 and Table 1.

8.0 DATA GAPS OR FAILURES

Standard ASTM E1237-13 defines a “data gap” as a lack of or inability to obtain information required by the Standard despite good faith efforts by the environmental professional to gather the information. Significant data gaps are identified as those which affected the ability to identify RECs. A “data failure” is a type of data gap and is considered a failure to achieve the historical research objectives even after reviewing reasonably ascertainable standard historical sources.

This Phase I ESA has revealed no significant data gaps or data failures and there were no deletions or deviations from ASTM Practice E-1527-13 in conducting this Phase I Environmental Site Assessment.

9.0 CERTIFICATION

The Site is defined as the following:

SITE IDENTIFICATION	
Name:	Proposed 97-Acre Project Magellan Airport Cargo Distribution
Address:	97-Acre Portion of the Ontario International Airport
City:	Ontario
County:	San Bernardino County
State:	California
APN(s):	Parcel 61: 011326106 (approximately 48 acres) Parcel 62: 011326107 (approximately 21 acres) Parcel 63: 011326108 (approximately 2 acres) Parcel 67: 011327101 (approximately 12 acres) Parcel 68: 011327102 (approximately 14 acres)

This environmental review of the Site as defined above was conducted by GSI on behalf of Mr. Winters. The review conducted by GSI meets or exceeds the requirements for a Phase I ESA specified in the ASTM Standard.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the subject property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Bita Tabatabai, PE
Principal Engineer
10 December 2021



Samantha Curtis, PG
Senior Geologist
10 December 2021

10.0 REFERENCES

Aircraft Service International Group (ASIG), 2005, Phase I ESA, Dirt Area Lease, November 28.

Alta Environmental, 2020, Preliminary Site Investigation Report for the Determination of the Presence of Selected Per-and Polyfluoroalkyl Substances, February 28.

ASTM E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

Camp Dresser & McKee (CDM), 1990, Phase I/Phase II Environmental Assessments Ontario Airport, September 24.

Communications, 2001, Transmittal of a Phase I ESA, February 26 (no document attached, these are just the cover sheets)

CTL Environmental Services (CTL), 2001, Phase I Environmental Site Assessment of Former Air National Guard and Surrounding Area, August 30.

CTL Environmental Services, 2003, Phase I Environmental Site Assessment of 11.8-Acre – Former LAPD EVOC Training Facility/Parking (Site #30), October.

CTL, 2008, Phase I ESA of the Ontario International Airport Mercury Air Center Facility, June.

Department of the Air Force, 1996, Draft Station, wide Environmental Baseline Survey, Ontario Air National Guard Station, California, August.

Department of the Air Force, 1998, Environmental Assessment, Disposal of Ontario Air National Guard Station, California, April.

EarthTech, 2004, Phase I ESA, East Avion Complex, 1049 South Vineyard Avenue, Ontario, California.

EarthTech, 2005, Limited Phase II ESA, East Avion Complex, 1049 South Vineyard Avenue, Ontario, California.

El Capitan Environmental Services, Inc., 1995, Underground Storage Tank Closure Report, California Air National Guard, Ontario International Airport, February.

Encorp Environmental Management and Services, 1997, Hazardous Materials Survey Report, Commercial Property Ontario Air National Guard Hangar and Auto Shop, January.

Environmental Risk Information Services (ERIS), 2021, Database Reports for Proposed 75-Acre Project Magellan Airport Cargo Distribution, 75-Acre Portion of the Former Ontario International Airport, September 1.

a. Physical Setting Report
b. Historical Aerial Photographs
c. Historical Sanborn Fire Insurance Map Research Results
d. Historical United States Geological Survey Topographic Map Results
e. Historical Directory Report

MACTEC, 2003, Phase I Environmental Site Assessment, Hangar 4 at GE Engine Services, Inc., 1923 Avion Street, Ontario, California, January 16.

MACTEC, 2006, Report of Phase I ESA, GE Engine Services, Inc, 1923 East Avion Street, January 31.

Wood, 2019, Conceptual site Model, Former General Electric engine Services Test Cell Facility, 2264 East Avion Place, Ontario, California, November 5.

Wood, 2021a, Work Plan for Soil Vapor and Groundwater Investigation at Upgradient and Cross-Gradient Locations, Former General Electric Company Engine Services Test Cell Facility, 2264 East Avion Place, Ontario, California, March 12.

Wood, 2021b, First Quarter 2021 Groundwater Monitoring Report, Former General Electric Company Engine Services Test Cell Facility, 2264 East Avion Place, Ontario, California, April 13.

Common References

DWR, 1980, Bulletin 118-90, Groundwater Basins in California, January.

California Department of Water Resources (DWR), 1961, Bulletin No. 104, Planed Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County, Appendix A Groundwater Geology, June.

Online Resources

California SWRCB Sites with Deed Restrictions - https://www.waterboards.ca.gov/water_issues/programs/deed_restrict/

California DTSC Land Use Restrictions - https://dtsc.ca.gov/land-use-restriction-sites/

California DTSC Envirostor website - https://www.envirostor.dtsc.ca.gov/public/

California SWRCB GeoTracker website - https://geotracker.waterboards.ca.gov/

California Geologic Energy Management Division - https://www.conservation.ca.gov/calgem

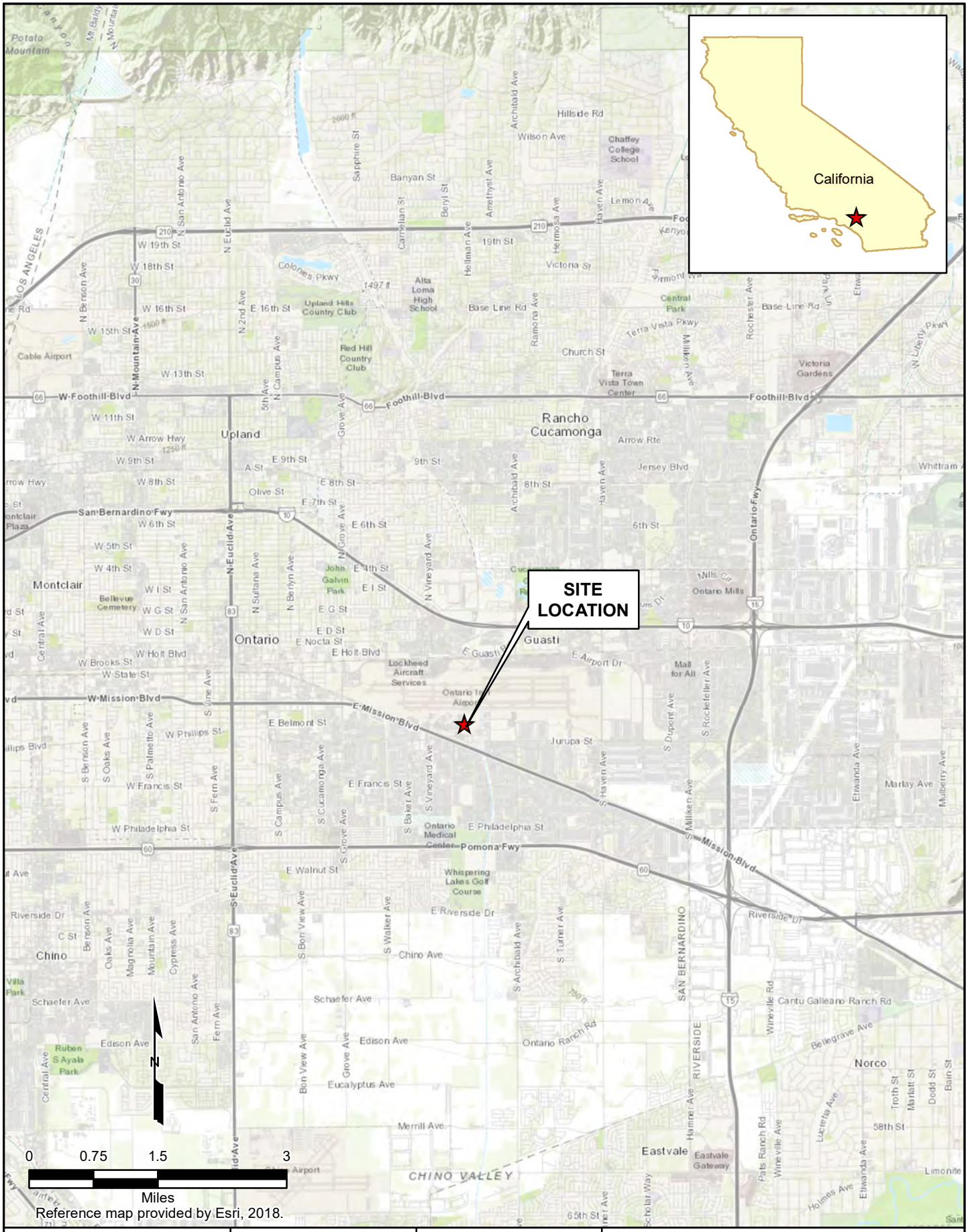
County Assessor's Office -

California DTSC Hazardous Waste Tracking System - https://hwts.dtsc.ca.gov/

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

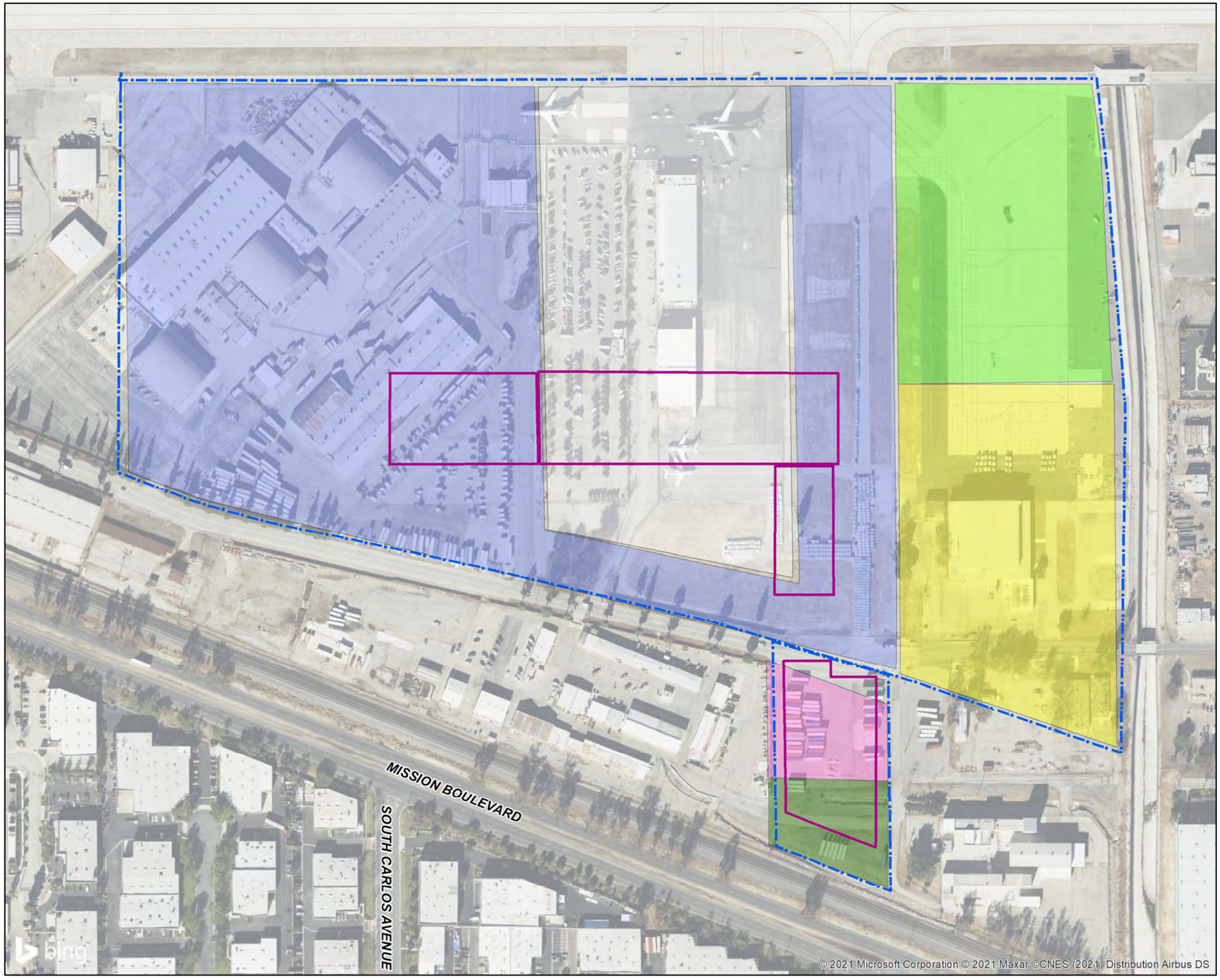
Figures

Figure 1A. *Site Location Map*
Figure 1B. *Site Parcels*
Figure 2. *Site Outline with Proposed Buildings*
Figure 3. *Site Reconnaissance Features*
Figure 4. *Locations of Recognized Environmental Conditions*
Figure 5. *Off-Site Features*



Reference map provided by Esri, 2018.

GSI ENVIRONMENTAL	GSI Job No. 5925	Drawn by: AV	**SITE LOCATION MAP**
	Issued: 12-Nov-2021	Chk'd by: SC	Proposed Project Magellan Airport Cargo Distribution Center Former Ontario Airport Property, Ontario, California
	Revised:	Aprv'd by: BT	
	Map ID: ONT_SiteLocMap	**FIGURE 1A**	



N

LEGEND

- Proposed Building
- Phase 1 Site

Parcel Designation

- Parcel 61
- Parcel 61 (South)
- Parcel 62
- Parcel 63
- Parcel 67
- Parcel 68

Notes

Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).

Feet
0 125 250

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

GSI ENVIRONMENTAL

SITE PARCELS

Proposed Project Magellan Airport Cargo Distribution Center
Former Ontario Airport Property, Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	15-Nov-2021	Chk'd By:	SC
Map ID:	**ONT_Parcels**	Appv'd By:	**SC**

FIGURE 1B



N

LEGEND

- Proposed Building
- Phase 1 Site

Notes

Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).

Feet
0 125 250

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

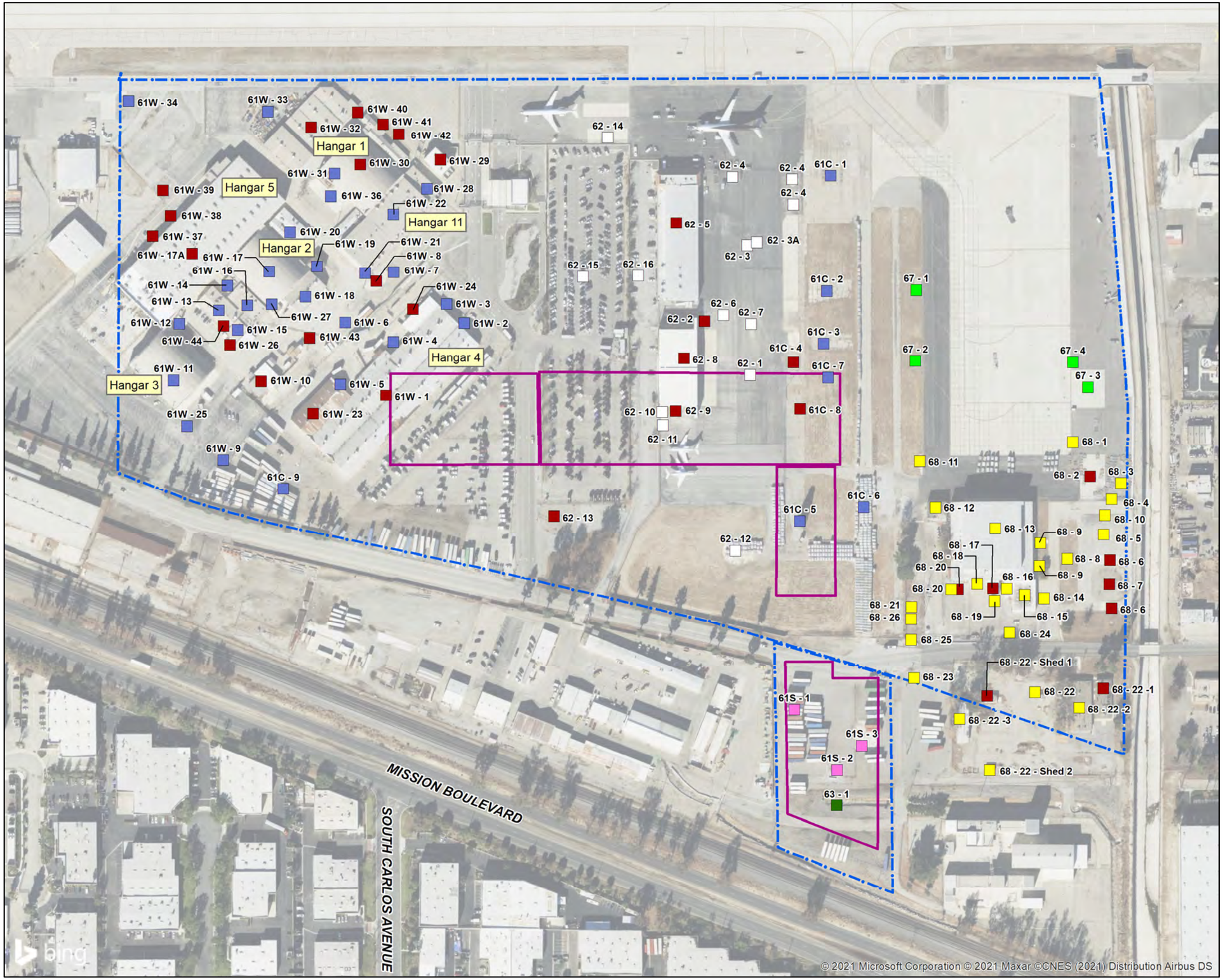
GSI ENVIRONMENTAL

SITE OUTLINE WITH PROPOSED BUILDINGS

Proposed Project Magellan Airport Cargo Distribution Center
Former Ontario Airport Property, Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	2-Nov-2021	Chk'd By:	SC
Map ID:	**ONT_SitePropBldgs**	Appv'd By:	**SC**

FIGURE 2



N

LEGEND

- Parcel 61 (Central and West)
- Parcel 61 (South)
- Parcel 62
- Parcel 63
- Parcel 67
- Parcel 68
- REC
- Proposed Building
- Phase 1 Site

Notes

Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).

Feet
0 125 250

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

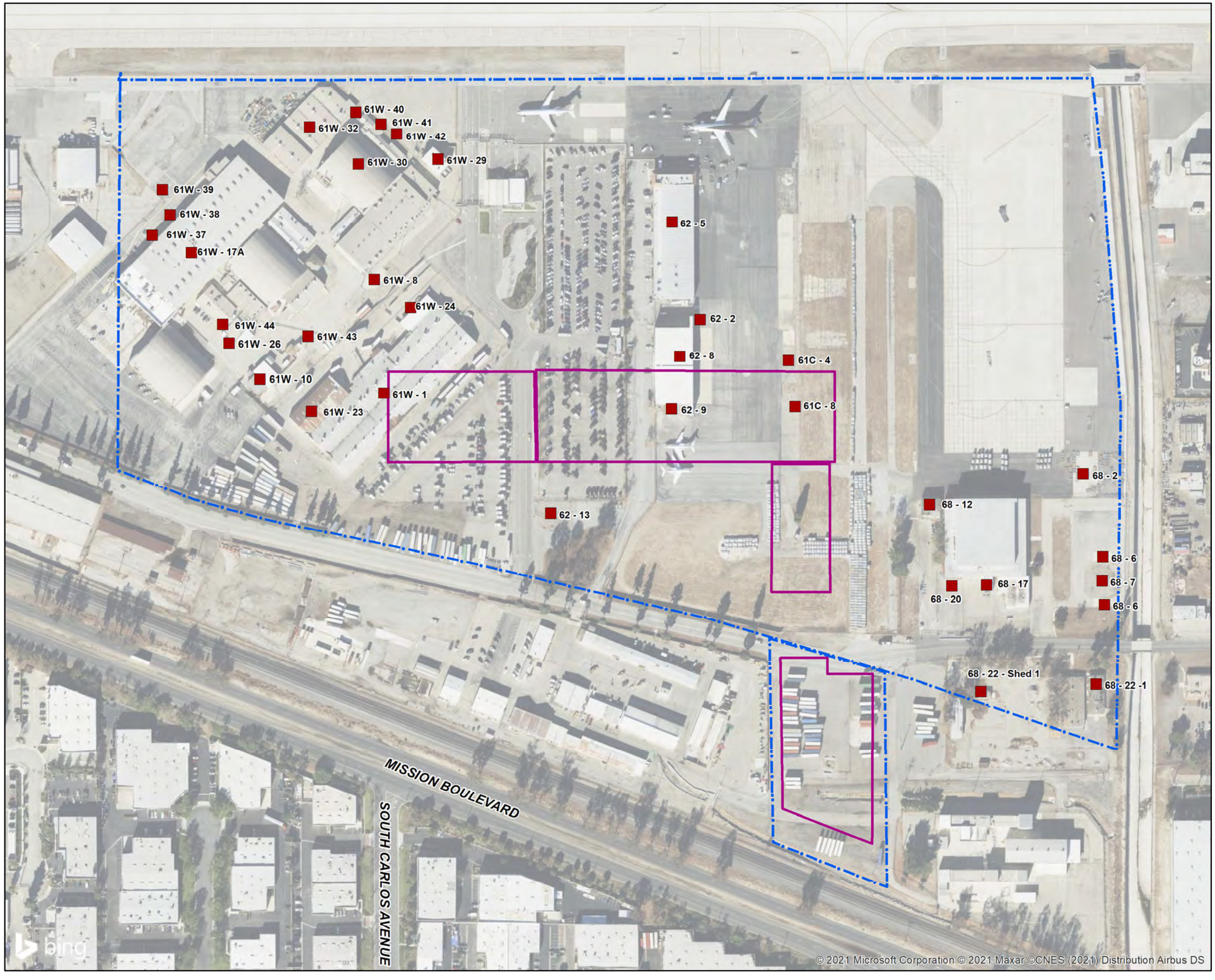
GSI ENVIRONMENTAL

SITE RECONNAISSANCE FEATURES

Proposed Project Magellan Airport Cargo Distribution Center
Former Ontario Airport Property, Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	15-Nov-2021	Chk'd By:	SC
Map ID:	**ONT_SiteRecon**	Appv'd By:	**SC**

FIGURE 3



N

LEGEND

- REC
- Proposed Building
- Phase 1 Site

Notes

Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).

Feet
0 125 250

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

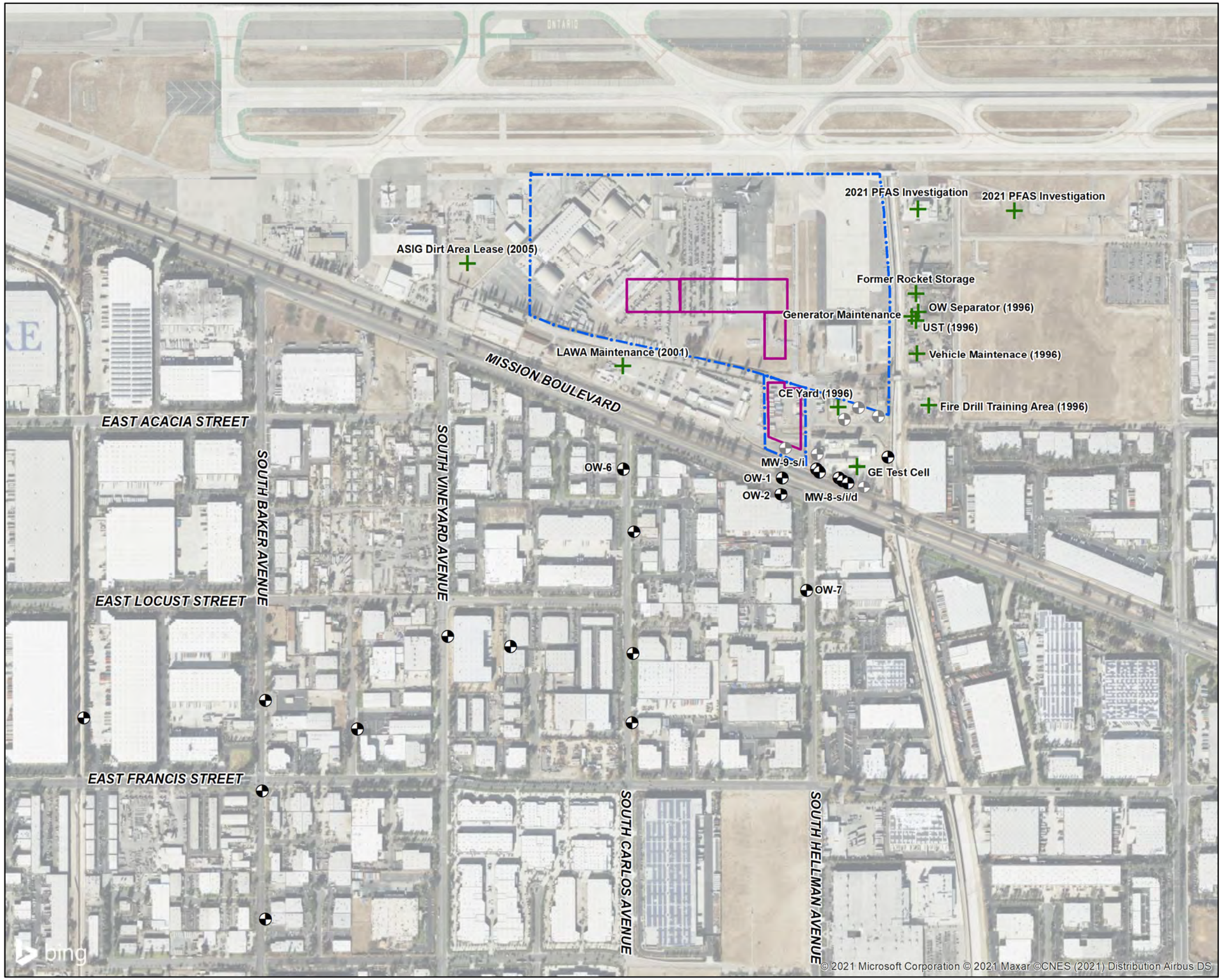
GSI ENVIRONMENTAL

LOCATIONS OF RECOGNIZED ENVIRONMENTAL CONDITIONS

Proposed Project Magellan Airport Cargo Distribution Center
Former Ontario Airport Property, Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	15-Nov-2021	Chk'd By:	SC
Map ID:	**ONT_RECs**	Appv'd By:	**SC**

FIGURE 4



N

LEGEND

- GE Test Cell Groundwater Monitoring Well
- Destroyed Groundwater Monitoring Well
- Historical Site Operations
- Proposed Building
- Phase 1 Site

Notes

1) Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).
2) Wood, 2021, First Quarter 2021 Groundwater Monitoring Report, Former General Electric Company Engine Services Test Cell Facility, 2264 East Avion Place, Ontario, California, April 13.
3) Historical site operations references are as follows:
   -1996, DAF, Draft Station-Wide Environmental Baseline Survey, Ontario Air National Guard Station, California.
   -2001 CTL, Phase I ESA of Former Air National Guard and Surrounding Area.
   -2005 Aircraft Service International Group (ASIG), Phase I ESA, Dirt Area Lease.
   -2005, EarthTech, Limited Phase II ESA, East Avion Complex.

Feet
0 350 700

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

GSI ENVIRONMENTAL

OFF-SITE FEATURES

Proposed Project Magellan Airport Cargo Distribution Center
Former Ontario Airport Property, Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	2-Nov-2021	Chk'd By:	SC
Map ID:	**ONT_OffsiteFeat**	Appv'd By:	BT

FIGURE 5

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Table

TABLE 1
Site Features - Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Reconnaissance Conducted on October 20-22, 2021

					ASTM Designation								
Parcel	Map Feature Number	Within New Building Footprint?	Off-Site	Reference (Report, Interview, APs, or Recon)	Not an REC	*de minimus*	REC	CREC	HREC	Description	Explanation of REC	Potential for PFAS	Minimum Constituents of Potential Concern (COPC)	Photo Log Number
Site-Wide	Site-Wide	Unknown		Historical Phase I ESAs		•				**Historical Agriculture -** According to documented history of the Site, until the mid to late 1950's the Site was primarily agricultural with some vineyards.	Pesticides and arsenic are often present in shallow soil at properties that have documented historical agricultural practices. As the Site will remain paved and residential use of the Site is not planned, the potential for these contaminants of concern in shallow soil is unlikely to be the subject of an enforcement action if brought to the attention of appropriate governmental agencies and is considered a *de minimus* condition.		Pesticides, arsenic	NA
61W	1	•		CDM 1990, SCAQMD Records, Mactec, 2003; SBFD 1993þþþ			•			**General Electric Hangar 4 Area** - This area has been identified as part of the General Electric (GE) Leasehold and is also identified as Hangar 4. GE Engine Services Facility Equipment Report has record of permits (1980s and 1990s) for degreasers that used 1,1,1-trichloroethane (1,1,1-TCA), abrasive blasting, spray booths, amine (or DEA) regeneration, service stations for dispensing and storing gasoline, storage tank 1,1,1 - TCA, miscellaneous inorganic stripping, tank chemical milling, and canceled permits for gasoline storage tanks, fuel oil storage tank, jet engine test cell facility, degreaser 1,1,1-TCA, and tank surface preparation-other acids. According to a historical Phase I ESA for Hangar 4, a septic tank/leach field was utilized from approximately 1956 to 1990, when the building was connected to a sanitary sewer system. The historical septic tank/leach field location has not been identified and closure or sampling data is not available (Mactec, 2003). Waste removed from GE in 1993 reportedly included spent batteries, waste water pretreatment sludge, aluminum oxide grit residue, oil soaked materials, epoxy resin, corrosive mixtures, flammable liquid, soil contaminated with Stoddard Solvent (likey from UST removal), medal oxide powder, fiberglass with bentonite, RCRA empty drums contaminated with solvents, soil contaminated with jet fuel (likely from UST 11 removal), water and jet fuel, bulked solvents, solvents, waste oil, 1,1,1-TCA distillation sludge, bottom sludge from cooling tower, "Poison B liquid", oil-soaked materials, machine coolant.	Historical use, including the use of chlorinated solvents as well as storage and dispensing of fuel in the vicinity of the GE Leasehold throughout the 1980's and early 1990's was likely to have released contaminants to the environment. Historical use of this area is indicative of a release to the environment and is considered a REC.		Hydrocarbons, VOCs, Stoddard Solvent, Metals, Pesticides, Herbicides	NA
				Reconnaissance			•			**Hangar 4 (Outside):** Hangar 4 is constructed of corrugated steel (with flaking paint), steel framing, roll up and sliding doors. A truck scale is located north of the hangar. A maintenance/storage shed is located in the northwest corner of the building that is surrounded with a chain-link fence. Electrical transformers/substation is located west of the hangar. An asphalt patch was observed that contained a sewer vault west of the hangar. Fire suppression piping and valves are located west of the hangar and east of a chain-linked fence.	It is GSI's experience that historical maintenance/storage sheds can often store leaking and damaged equipment that release contaminants to the environment. This area is considered part of Hangar 4. Historical use of this area is indicative of a release to the environment and is considered a REC.		Hydrocarbons, VOCs, Metals, PCBs	21 to 24 205 to 206
				Reconnaissance			•			**Hangar 4 (Inside):** Furniture and office equipment storage, Delcrete/Delpatch-5 gallon buckets (x3), a large electrical box, fire hoses, Flynn scales, fire extinguishers, ash trays, and pallets of leaking of 5 gallon buckets were observed. Buckets: BioSolve pink water (56, 5-gallon capacity; several leaking); AMEREX BC Purple K dry chemical (9, 5-gallon capacity; several leaking); Winsol (13, 5-gallon capacity) containing fire suppression "training foam"; Blue Stx adhesive (1, 5-gallon capacity; one leaking); MET LX (7, 5-gallon capacity), Super Market Wax Stripper (8, 5-gallon capacity), American Traffic Products Inc.-red fast dry paint (1, 5-gallon capacity), Ennis paint-white traffic paint (1, 5-gallon capacity; 7 empty), Ecomate MTC degreaser (1, 5-gallon capacity). The buckets containing fire suppression chemicals may contain PFAS.	GSI observed release of chemicals to the environment from multiple stored chemical buckets, including buckets that may contain PFAS chemicals that are commonly used in AFFF fire suppression foam. This area is considered part of Hangar 4. Observed release to the environment is considered a REC.	•	Hydrocarbons, PFAS, Metals, VOCs, PFAS	24 to 28
				Reconnaissance			•			**Hangar 4 Inside Haz Storage Building (61W-23):** A hazardous waste storage label was located on the exterior door to the hangar. Observations include: an empty flammable liquid cabinet, Genlabs Lemon Cleaner (1, 5-gallon capacity), traffic paint buckets (9, 5-gallon capacity), International Coatings Traffic Paint (32, 5-gallon capacity), overhead fire suppression system (water only), light bulbs, wood pallets, electronics, electrical meters, fuse boxes, circuit boards, a portable eye wash, station, an empty 55-gallon drum labeled 1A2/Y1.2/100, 2 pallets full of cleaning supplies (approximately 72 boxes), cleaning pads and sweepers, and overhead lighting.	This area is considered part of Hangar 4. It is GSI's experience that historical drum storage areas are indicative of sources of contaminant release to the environment. Historical use of this area for hazardous waste storage is indicative of a release to the environment and is considered a REC.		Hydrocarbons, Metals, VOCs	29 to 30
61W	2			Reconnaissance	•					Included in 61W-1-crane system on top of concrete pad	No REC		NA	NA
61W	3			Reconnaissance	•					Included in 61W-1-truck scale	No REC		NA	205
61W	4			Reconnaissance	•					Included in 61W-1-electric substation with a sign that reads "high voltage"	No REC		NA	23
61W	5			Reconnaissance	•					Sloped concrete patch leading to the back door for 61W-23	No REC		NA	NA
61W	6			Reconnaissance	•					Inaccessible roll off containers and a concrete pad where large propane ASTs used to stand.	No REC		NA	31
61W	7			Reconnaissance	•					Fire sprinkler piping and an excavation enclosed with metal poles.	No REC		NA	32

TABLE 1
Site Features - Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Reconnaissance Conducted on October 20-22, 2021

					ASTM Designation								
Parcel	Map Feature Number	Within New Building Footprint?	Off-Site	Reference (Report, Interview, APs, or Recon)	Not an REC	*de minimus*	REC	CREC	HREC	Description	Explanation of REC	Potential for PFAS	Minimum Constituents of Potential Concern (COPC)	Photo Log Number
61W	8 and 42			SBCFD Records from 1992.				•		**Historical USTs with Removal documentation-** Historical documentation identifies this as the approximate historical location of USTs: -One (1) 2,000-gallon Jet A UST (UST 11) excavated and removed in 1992.	Dames and Moore (1992) collected samples during UST removal and identified Jet-A fuel impacts that decreased with depth to the total depth of the excavation of 14 feet. A 2 April 1992 letter from the County of San Bernardino EHS indicates that UST 11 was removed and soil impacted with Jet-A was identified to attenuate to a depth of 14 feet bgs. It appears that the impacted soil was left in place and the SBDEH noted that it was "unlikely that existing contamination poses a threat to the local environment." Additional reference to the "excavation of the Calibration Fluid" notes that the actual extend of affected soil "will be more thoroughly defined after removal activities recommence for Tank 9 and the adjacent Tank 10 (also containing Calibration Fluid)." The remaining impacted soil with documented approval from SBDEH is a CREC.		Hydrocarbons, VOCs, Metals	33
61W	9			Reconnaissance	•					General Telephone underground utility enclosed in fencing.	No REC		NA	34
61W	10			Mactec, 2006 (Figure 2)			•			**Hazardous waste storage structure:** Concrete slab with concrete secondary containment berm, concrete ramp leading into the containment area, chain-linked perimeter fence, central floor drain, and corrugated steel roof. Several concrete patches (possibly former boring/sampling locations) observed in the concrete slab near the floor drain, and several outside the hazardous waste storage structure. A hazardous yard and EHS sticker was observed on the window of a storage shed located northwest of the hazardous waste storage structure.	It is GSI's experience that historical hazardous waste storage buildings often have stored damaged containers that release contaminants to the environment are indicative of sources of contaminant release to the environment. This structure has a drain located in the middle of the concrete slab, which may have provided a direct path to the subsurface for any hazardous waste that was released within the structure. Historical use of this area for hazardous waste storage is indicative of a release to the environment and is considered a REC.		VOCs, Hydrocarbons, Metals	35 to 40
61W	10			Reconnaissance, SBFD records			•			**Second storage awning:** Concrete slab with concrete secondary containment berm, desk supplies, e-waste, office furniture, computer equipment, a water dispenser unit, printers, ink cartridges, keyboards, fluorescent light bulb housing, water bottles and a mini-fridge. A 1993 figure from SBFD agency records identifies this area as the "Expanded Drum Storage Area (HWMU No. 5)"	This drum storage area was identified as a Hazardous Waste management Unit (HWMU) in historical documents. It is GSI's experience that historical drum storage areas are indicative of sources of contaminant release to the environment. Historical use of this area for hazardous waste storage is indicative of a release to the environment and is considered a REC.		Metals	35 to 40
61W	10			Reconnaissance	•					**Storage shed:** Elevated platform with wood beams, wood floor, painted with corrugated steel and is empty with wood racks inside. Beehive within the east outer-wall.	No REC		NA	35 to 40
61W	10			Reconnaissance	•					**Electrical building:** This structure is made of concrete blocks and is empty inside.	No REC		NA	35 to 40
61W	11			Reconnaissance, SBFD agency records, 1993.		•				**Hanger 3** - Constructed of painted corrugated steel, epoxy coating on the roof, a concrete slab, trench drains in front of the roll-up doors, transformers, a fire line, fire extinguishers, overhead lighting and HVAC, restrooms, false walls, water heaters, a 5 gallon paint bucket, a circuit board, a server room, and broken glass windows Historical records identify this building as the former "Machine Shop and Heat Treat" (Canonie Environmental, 1993).	It is GSI's experience that machine shops are often sources of contaminant release to the environment, however, the Site reconnaissance did not identify anything that would be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. As such, the historical use of Hangar 3 is considered a *de minimus* condition.		Lead, metals	41 to 42, 41A and 42A
61W	12			Reconnaissance	•					Loading dock and trash enclosure.	No REC		NA	43
61W	13			Reconnaissance	•					**Air museum** - Constructed of corrugated steel and concrete. Inside: mannequins, historical uniforms and photographs, a model airplane, airport signs, an old tower light, movie posters, an electrical room, IT and storage room, a conference room, and office spaces with file cabinets and desks.	No REC		NA	44 to 45
61W	14			Reconnaissance	•					This area is connected to 61W-16 and is unoccupied office spaces with non-PCB transformers behind it.	No REC		NA	48
61W	15			Reconnaissance	•					Leased offices were not accessible during the Site reconnaissance.	No REC		NA	67
61W	16			Reconnaissance	•					**Former Lab** - The building material is concrete slab and block walls with roll up doors. Possible drain cleanout from the sink is outside of the building. Kitchen, cubicles, a sink, bathrooms, offices, storage cabinets, an N.D.T Lab sticker on the door window, and an equipment storage area. 61W-14 is connected to this building and contains unoccupied office spaces.	No REC		NA	46 to 48
61W	17A			SBCFD Records from 2005.			•			**Hangar 5** - Hangar 5 was historically utilized to repair, overhaul, and clean jet engines and parts. Routine inspection records from the SBFD and DTSC in 2005 identified several violations. Photographs of the violations included oil spillage around a grinding machine and oil leakage around a machine in the Machine shop. Large pit in northwest corner of Hangar 5 containing floor drain.	It is GSI's experience that facilities utilized to repair and clean parts are often sources of contaminant release to the environment. Historical records have identified poor housekeeping with chemicals spilled to the ground surface. Historical use and documentation of release to the environment is considered a REC.		Hydrocarbons, VOCs, Metals	NA

TABLE 1
Site Features - Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Reconnaissance Conducted on October 20-22, 2021

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61W	17			2006 Hazardous Waste Generator and Materials Inspection Report--reference pit	•					**Hangar 2** - Corrugated steel and brick construction material containing large air conditioner units. Inside: storage and is connected to the administration offices. Office furniture, overhead electrical, 5 nitrogen bottles on a trailer, TVs, towing port-a-potty, boxes, luggage, steel officer kiosk for terminals, boxes of files, electrical area, office supplies, a table, file cabinets, bath tissue pallets, 6 pallets of sanitizer, 3 water bottle pallets and copier machines. Southern part of the administration building contains vehicle parking, gym equipment, police offices with enclosures for police dogs, and a red cross storage area (bandages, water, gloves, hand sanitizer, bleach wipes). Northwest corner has a sunken pit (8 feet deep, 30x30 feet) with a drain in the southeast corner and a half court basketball court next to it. The pit historically contained a grinding machine.	No REC		NA	49 to 56
61W	18			Reconnaissance	•					Building to the east of Hangar 2 (61W-17) constructed of painted corrugated steel. Two cars stored inside and it is otherwise vacant. Overhead electrical and small loft storage area.	No REC		NA	57
61W	19			Reconnaissance	•					Shed with a broken hangar door constructed of painted corrugated steel. Inside there is an overhead crane system.	No REC		NA	58
61W	20			Reconnaissance	•					Possible former cafeteria with office spaces. There is a large steel range hood, kitchen sink, old offices, and restrooms.	No REC		NA	59 to 60
61W	21			AP, Reconnaissance	•					"Stop" is painted on the asphalt.	No REC		NA	61
61W	22			Reconnaissance	•					**Hangar 11** - Building is attached to Hangar 1. It has been included with location 61W-30 as attached building. The building currently contains a propane rack, fire sprinkler system, trash cans, planter bins, and luggage bags organized in a line (possibly for dogs to practice searching).	No REC		NA	76
61W	22A			Reconnaissance	•					Old empty office spaces. The building is constructed out of concrete blocks. There is a "restricted area" room with false tile floor boards that could possibly be a former technician room.	No REC		NA	62 to 64
61W	23			2003			•			**Hazardous Waste Storage Building -** Included in 61W-1	See 61W-1		Hydrocarbons, VOCs, Metals	27 to 30
61W	24			2003			•			**Maintenance/storage Shed** - Included in 61W-1	See 61W-1		Hydrocarbons, VOCs, Metals	21 to 22
61W	25			Reconnaissance	•					Parking lot. There is a drain inlet missing a lid, asphalt patches with utility lids on top, unknown asphalt patches, a sewer trench, an electrical trench, and a water trench.	No REC		NA	65 to 66
61W	26			Mactec, 2006 (Figure 2)			•			**Hazardous Waste Storage Area** - Historical reports identified that this area was used for hazardous waste storage. There was no access to this area as it is leased (part of 61W-15). What appears to be a hazardous waste storage area was observed northwest of the building. This shed is covered and is constructed out of corrugated steel (painted).	A hazardous waste storage area was identified in historical reports, but was not observed during the Site Reconnaissance. It is GSI's experience that historical hazardous waste storage buildings often have stored damaged containers that release contaminants to the environment. Documented historical use of this area for hazardous waste storage is indicative of a release to the environment and is considered a REC.		Hydrocarbons, VOCs, Metals	68
61W	27			Reconnaissance	•					The Site reconnaissance identified a trench drain located underneath a sloped concrete patch and awning.	No REC		NA	56
61W	28			2006	•					Included in 61W-30A - four garages	No REC		NA	77 to 78
61W	29			2005 and 2006 SBFD agency files.			•			**Historical AST and Waste Treatment Area** - This building is located northeast of Hangar 11 and feature 61W-28. Reportedly the location of former GE office space constructed of corrugated steel. No access during the Site reconnaissance. Secondary concrete enclosures were located to the north and east of the building where ASTs were formerly located. One of the enclosures is currently labeled "T23 containment area." Documents identify One 50,000-gallon rinse water storage tank, one 2,000-gallon H_2SO_4 AST and one 3,000-gallon KCL. A 1995 inspection includes a drawing that identifies the ASTs and layout of the area. A sump was present within the building and waste was piped to a treatment and containment area. Waste types treated included waste water from the oil-water separator at the test-cell facility and waste water from tanks at the cleaning line and steam cleaning units located at he EHS department and at Hangar 11. The wastewater treatment system was removed in 2006. A temporary hazardous waste storage area is identified along the western outside wall of the building in a 1993 figure from Canonie Environmental included in SBFD records.	A historical AST and waste treatment area was identified in historical documents but the ASTs were not observed during the Site Reconnaissance. It is GSI's experience that historical ASTs and the associated waste treatment area could be a source of contaminant release to the environment. Documented historical use of this area for waste and the presence of a sump is indicative of a release to the environment and is considered a REC.		Metals, pH	69 to 70

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61W	30			2005 and 2006 SBFD agency files			•			**Hangar 1** - Corrugated steel (painted) containing air conditioning units, and rolling track hangar doors retrofitted to rollup doors. Large leaking portable airplane hydraulic lifts located outside Hangar 1 and next to a large concrete pad (61W-36). Shed next to the hangar has a "no smoking" and fire extinguisher sign and a concrete perimeter slab containing a berm. Observed in the hangar are a water heater, overhead power and HVAC, a possible drainage sump with missing grates on top in the northeast corner, two long floor drains near the room with sump, electrical rooms, and a room containing an overhead crane in the northwest corner. An inspection report from SBFD from 5 October 2005 indicates that drums of used oil, waste fuel, oily rags, used oil filters, and used absorbent were present on the Site. An inspection report from SBFD from 6 October 2006 indicates the following: cleaning line room: dark purplish color staining from J-88 Cleaner (contains potassium permanganate); concrete beneath Versene cleaning tank (acid) had some corrosion; previous storage locations for T-20 and T-21 - permanganate staining. The report noted the following, "If the above structures are demolished, further action will not be required..." with regard to the observed October 2006 spills.	This area has historically been used for hazardous waste storage, and evidence of release to the environment has been identified. A sump is present in the vicinity of the area of release. It is GSI's experience that historical sumps and drains often funnel waste and contaminants and release contaminants to the environment, and the presence of hydraulic oil leaking from equipment in the area is indicative of a release to the environment and is considered a REC.		Hydrocarbons, VOCs, Metals	71 to 76
61W	30			2005 SBFD records			•			**4 Garages North of Hangar 1** - The garages are constructed of corrugated steel containing rollup doors. An overhead crane was present. The garage contains floor drains and may be connected to a sump feature associated with Hangar 1 (61W-30). There appears to be a patch around center and western garage. Steam cleaning room: contained grit blast machine used to clean parts (waste collected in baghouses and stored), drum-rinsing area (waste water collected and pumped to T-23). Photographs of the steam cleaning room and drum rinsing area are included in a 2005 Hazardous Waste Generator and Hazardous Materials handler Inspection Report by SBFD and DTSC.	It is GSI's experience that parts cleaning equipment and drum rinsing area and associated sump are indicative of a release to the environment and are considered a REC.		Hydrocarbons, VOCs, Metals	77 to 78
61W	30			Reconnaissance	•					**Ancillary buildings attached to the north side of Hangar 1** - No access was available to the inside of the buildings. Appear to be deteriorating and are made of wood and concrete. Drainage channel outside the rollup doors.	No REC		NA	79 to 80
61W	31			Reconnaissance	•					Included in 61W-30 - Portable airplane hydraulic lifts outside of the hangar.	No REC		NA	72
61W	32			Reconnaissance	•					**Building 5** - Located in the northwestern corner of the Site. Four separate structures connect to each other inside. It is painted corrugated steel. **Structure 1 and 2:** This portion of the building is vacant.	No REC		NA	81 to 88
61W	32			Reconnaissance	•					**Building 5 - Structure 3:** Storage of aircraft tires, ladders, auxiliary power units, 2 diesel drums in secondary containers containing small volumes of liquid, waste coolant drum-partially filled in secondary container, file cabinets, office furniture, copiers and printers.	No REC		NA	81 to 88
61W	32			Reconnaissance			•			**Building 5 - Structure 4:** Batteries, scissor lifts, golf carts, a leaking aircraft cart, a power pack cart leaking oil, 3 totes of empty lubricant oil in the back of a golf cart, an anti-freeze container open with contents inside, file boxes, portable airplane hydraulic repair lifts, stands, welders, and aviation electronic equipment.	The observed release to the environment of hazardous substances or petroleum products is a REC.		Hydrocarbons, VOCs, Metals	81 to 88
61W	32			Reconnaissance			•			**Building 5 - Outside storage area:** A continuation of the inside contents. Trailers, portable airplane hydraulic repair lifts, ducting, crane lifts, airplane equipment, batteries, possible oil tank trailer, and Air Force portable air conditioner trailers with air compressors inside.	The observed release to the environment of hazardous substances or petroleum products within Building 5, Structure 4 is a REC.		Hydrocarbons, VOCs, Metals	81 to 88
61W	33			Reconnaissance	•					Included in 61W-32 - outside storage area	No REC		NA	88
61W	34			Reconnaissance, EarthTech, 2005	•					Historical documentation identified the Site of a former clarifier and during the Site reconnaissance a concrete patch was identified. This area underwent soil vapor investigation by EarthTech in 2006 and no detectable concentrations of VOCs were identified at the time.	Soil vapor investigation did not identify any impact to the subsurface in the vicinity of the former clarifier.		NA	89 to 90
61W	35		•	Reconnaissance	•					ASIG Dirt Lease Area - Large gravel area with scattered shrubs adjacent to OIAA administration building/parking lot.	No REC		NA	91
61W	36			Reconnaissance	•					Included in 61W-30 - concrete pad outside of hangar	No REC		NA	62
61W	37			SBCFD Records from 1992.			•			**Historical USTs** Historical documentation identifies this as the approximate historical location of USTs: -One (1) 8,000-gallon Stoddard solvent UST (UST 1) -One (1) 8,000-gallon Stoddard solvent UST (UST 2) with oil/water separator.	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and are indicative of a release to the environment. The historical presence of USTs with no closure documentation is a REC.		Hydrocarbons, VOCs, Metals	NA
61W	38			SBCFD Records from 1992.			•			**Historical USTs-** Historical documentation identifies this as the approximate historical location of USTs: -One (1) 8,000-gallon calibration fluid UST (UST 3) -One (1) 3,000-gallon calibration fluid waste UST (UST 4)	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and are indicative of a release to the environment. The historical presence of USTs with no closure documentation is a REC.		Hydrocarbons, VOCs, Metals	NA
61W	39			SBCFD Records from 1992.			•			**Historical USTs-** Historical documentation identifies this as the approximate historical location of USTs: -One (1) 6,000-gallon gasoline UST (UST 5) -One (1) 6,000-gallon diesel UST (UST 6) -One (1) 6,000-gallon diesel UST (UST 7)	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and are indicative of a release to the environment. The historical presence of USTs with no closure documentation is a REC.		Hydrocarbons, VOCs, Metals	NA

TABLE 1
Site Features - Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
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					ASTM Designation								
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61W	40			SBCFD Records from 1992.			•			**Historical USTs-** Historical documentation identifies this as the approximate historical location of USTs: -One (1) 250-gallon calibration fluid waste UST (UST 8)	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and release contaminants to the environment.		Hydrocarbons, VOCs, Metals, pH	NA
61W	41			SBCFD Records from 1992.			•			**Historical USTs-** Historical documentation identifies this as the approximate historical location of USTs: -One (1) 6,000-gallon calibration Fluid UST (UST 9) excavated and removed in 1992. -One (1) 2,000-gallon calibration fluid waste UST (UST 10)	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and are indicative of a release to the environment. The historical presence of USTs with no closure documentation is a REC.		Hydrocarbons, VOCs, Metals, pH	NA
61W	42 and 8			Same as 61W-8				•		Same as 61W-8	Same as 61W-8		Same as 61W-8	NA
61W	43			SBCFD Records from 1992.			•			**Historical USTs -** Historical documentation identifies this as the approximate historical location of "Tank 12 and Tank 13 (removed)" was identified during this investigation. SBCFD records include "Figure 1" identifying "Underground Storage Tank Locations." Historical documentation identifies 14 USTs total in the area.	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and are indicative of a release to the environment. The historical presence of USTs with no closure documentation is a REC.		Hydrocarbons, VOCs, Metals	NA
61W	44			SBCFD Records from 1992.			•			**Historical USTs-** Historical documentation identifies this as the approximate historical location of "Tank 14 (removed)". No additional information was identified during this investigation,	Documentation of the removal and/or subsurface sampling in the vicinity of the USTs has not been identified. It is GSI's experience that subsurface USTs often leak and are indicative of a release to the environment. The historical presence of USTs with no closure documentation is a REC.		Hydrocarbons, VOCs, Metals	NA
61S	1	•		Reconnaissance	•					Small surface patches that are possible boring holes.	No REC		NA	17
61S	2	•		Reconnaissance	•					Storm drain with a concrete inlet 3-foot diameter. Northside is draining to a corrugated outlet on the southside.	No REC		NA	18
61S	3	•		Reconnaissance	•					Circular concrete patch that tapers off to a straight edge. The westside of the concrete patch is overlayed with asphalt.	No REC		NA	19
61C	1			AP, Reconnaissance	•					Painted "no aircraft parking" sign.	No REC		NA	1
61C	2			AP, Reconnaissance	•					Unknown westside pad made of asphalt on the right side and concrete on the left side. Unknown 3x3 square lid north of 61C-1 and 61C-2.	No REC		NA	2
61C	3			AP, Reconnaissance	•					Unknown asphalt pad with tie downs.	No REC		NA	3
61C	4			AP, 2001 (pg. 10 and 139), Reconnaissance			•			**Historical Clarifier with Wash Racks and Surface Staining -** Concrete pad with former tracks for sliding doors to possibly a small former aircraft hangar. Drainage channel east of the concrete pad (possible former aircraft wash rack) containing red staining and the outline of ASTs. Nearby drain inlet may be connected to a former 3-stage clarifier to the south.	It is GSI's experience that clarifiers and wash racks are known to leak contents to the subsurface and impact the vadose zone with petroleum products. Additionally, red staining indicates that fire retardant was released to the environment from historical ASTs. An observed release to the environment and conditions indicative of a release to the environment are a REC.	•	Hydrocarbons, VOCs, Metals	4 to 6
61C	5	•		Interview, AP, Reconnaissance	•					UPS storage pods and stacked pallets next to them on a concrete patch.	No REC		NA	7
61C	6			Interview, AP, Reconnaissance	•					UPS storage pods.	No REC		NA	8
61C	7	•		Reconnaissance	•					Steel lid utility vault east of the Guardian hangars.	No REC		NA	9
61C	8	•		AP, Reconnaissance, CTL (2001; photograph on page 139)			•			**Historical Clarifier-** Possible former clarifier. A long trench appears to extend from a drain inlet that it may have been connected to.	It is GSI's experience that clarifiers are known to leak contents to the subsurface and impact the vadose zone with petroleum products or other waste. The former presence of the clarifier is indicative of a possible release to the environment and is a REC.		Hydrocarbons, VOCs, Metals, SVOCs	10
61C	9	•		Interview, AP, Reconnaissance	•					Parking lot occupied by UPS. Parked trucks and trailers in the western portion of the parking lot, a sewer vault, power-General Telephone underground utility, a large asphalt patch in western portion, a trench in the ground that leads to a waterline at 61W-1, a drain inlet, and an unspecified utility vault. Secondary parking area to the east is a dirt/asphalt/gravel lot, with concrete patches, UPS trailers, cars, and a snow tire chain pile.	No REC		NA	11 to 16
62	1	•		Interview, AP, Reconnaissance	•					Possible helicopter pad with a former 3'x3' drain inlet backfilled with asphalt.	No REC		NA	92
62	2			AP, 2008; SBFD agency records (2002)			•			**Clarifier-** Historical documents and Site reconnaissance identified a four stage clarifier to the north of 62-8. SBFD records from 23 October 2002 indicate that the "sumps" were tested and "spill boxes - visual fail due to extreme rust and corrosion as per inspectors orders".	It is GSI's experience that clarifiers are known to leak contents to the subsurface and impact the vadose zone with petroleum products. Evidence of rust or corrosion to the clarifiers indicates that these may have released contaminants to the environment. The presence of a clarifier is indicative of a release to the environment and is a REC.		Hydrocarbons, VOCs, Metals, SVOCs, PFAS	93 to 95

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62	3			AP, Reconnaissance	•					Asphalt patch with a sewer clean out and tie downs.	No REC		NA	96
62	3A			AP, Reconnaissance	•					Possible helicopter pad with a backfilled drain inlet (3x3 square) in the middle.	No REC		NA	97
62	4			AP, Reconnaissance	•					Two helicopter pads with the northern pad labeled "police only."	No REC		NA	98 to 99
62	5			Interview, AP, Reconnaissance			•			**Guardian Jet Center East** - Corrugated steel and stucco structure containing a concrete slab. Office space, a reception desk, restrooms, kitchen, and conference room are present within the northern portion of the hangar. Inside the hangar were a machine shop, Amazon aircraft pods, propane bottles, tools, air compressor, circuit breakers, a water heater, oil cans, and an IT room. Within the northwestern portion of the hangar and adjacent to the office space were an above ground AFFF-fire suppression tank and three, 250-gallon capacity Ansulite totes that contain AFFF. The west side of the hangar is office/tenant space and was inaccessible.	It is GSI's experience that AFFF Fire Suppression chemicals and equipment may release PFASs to the environment. The observation of fire suppression equipment is a condition indicative of a release to the environment and is a REC.	•	Hydrocarbons, PFAS, VOCs, Metals	100 to 104
62	6			Reconnaissance	•					Drain line between the Guardian Jet Center East and the southern Guardian Jet Center building	No REC		NA	201
62	7			Interview, AP, Reconnaissance	•					Possible helicopter pad with a former 3x3 drain inlet backfilled with asphalt.	No REC		NA	105
62	8	•		Reconnaissance, SCAQMD Records			•			**Guardian Jet Center (southern building)** - Corrugated steel structure, concrete slab, floor drains, overhead fire water lines connected to an AFFF fire suppression system, overhead electrical, and floor drains. The hangar is used for storage and maintenance. Other observations include a sand blast machine, six (6) oxygen tanks, four (4) oil drums (for waste and Jet-A), one (1) drum containing a gasoline label and one (1) drum containing an oil label - both partially filled. Used oil filters and absorbent pads present on the lid of the drums (not contained). Other features include a flammable container locker, grease guns, absorbent on the ground, a nitrogen tank, a jet oil cabinet with oil and filters, and a poly drum with unknown liquid is full. One AFFF fire suppression system above ground storage tank, a portable fire extinguisher, a motorized hangar doors, and 4-deep cycle batteries. The AFFF suppression tank contains a label indicating a construction date of 1988. Staining/residue present on the outside of the tank. Batteries contained inside a plastic box, a lavatory service cart, and shop sinks with household cleaners and a washing machine also were observed. One storage room was located upstairs containing computer equipment/parts, files, empty boxes, packaging, printers, office furniture, and aircraft tires. Fire suppression piping inside the upstairs room appears to have leaked from fittings onto plywood flooring. Office space is located along the west side of the hangar. The office spaces contain a restroom, a storage room, an IT room and empty storage room.	Unmarked drums, drums that were missing screw caps, used oil filters, general staining on the floor, and staining on the AFFF AST were observed at the Site. It is GSI's experience that AFFF Fire Suppression chemicals and equipment will release PFAS to the environment and generally poor housekeeping is a source of impact to the environment. The observation of fire suppression equipment as well as generally poor housekeeping in the vicinity of waste storage are conditions indicative of a release to the environment and considered a REC.	•	Hydrocarbons, PFAS, VOCs, Metals	106 to 116
62	9	•		AP, 2008; SBFD agency records (2002)			•			**Clarifier -** Historical documents and Site reconnaissance identified a four-stage clarifier to the south of 62-8. SBFD records from 23 October 2002 indicate that the "sumps" were tested and "spill boxies - visual fail due to extreme rust and corrosion as per inspectors orders".	It is GSI's experience that clarifiers are known to leak contents to the subsurface and impact the vadose zone with petroleum products. Evidence of rust or corrosion to the clarifiers indicates that these may have released contaminants to the environment. The presence of a clarifier is indicative of a release to the environment and is a REC.		Hydrocarbons, PFAS, VOCs, Metals	94
62	10	•		Reconnaissance	•					Transformer that did not appear to contain PCBs.	No REC		NA	202
62	11	•		AP, Reconnaissance	•					The Site reconnaissance did not identify anything notable at this location.	No REC		NA	202
62	12	•		Interview, AP, Reconnaissance	•					Western most UPS storage pods are on top of a concrete pad.	No REC		NA	117
62	13	•		1990, 2008, July 2018 Closure by SBFD based on 2013 closure report from Advanced GeoEnvironmental			•			**Former Beechcraft West Fuel Farm where seven USTs were historically located** - Currently a large gravel patch at the southern border of the UPS parking lot (62-15). Historical documents identify the former Beechcraft West fuel farm at the southern border of 2161 East Avion. The fuel farm contained seven USTs with a capacity of 88,000 gallons. The USTs were reported to have been removed in May 2013. Soil samples collected during the excavation were all non-detect except for the samples collected beneath UST T7. Hydrocarbon odors and stained soil were noted in the samples. The area under the UST was excavated to a depth of 21 feet with lateral dimensions of 10 feet by 7 feet, until stained soil was no longer visible. It was recommended that this former UST facility be closed. The former fuel farm was observed to be backfilled with gravel and soil during the Site Reconnaissance.	Some remaining impact appears to have been left below the area of UST T7. No closure documents were identified during this investigation. The removal of USTs without closure documentation and documented impact remaining in the subsurface beneath a former UST is a REC.		Hydrocarbons, VOCs	118
62	14			Reconnaissance	•					6x6 asphalt patch and three concrete patches. Tie downs and i-beams that have been cut off are also present.	No REC		NA	119
62	15	•		Reconnaissance	•					Parking lot full of UPS trucks and cars. There are at least 6 square concrete patches (3.5x3.5), multiple square asphalt patches, and other unknown patches. The southern and central area of the parking lot contains several large asphalt patches.	No REC		NA	120
62	16	•		Reconnaissance	•					The Guardian Air parking lot - adjacent to the Guardian Center hangars. Circular patch-possible storm drain, a transformer, a water valve system that can produce 250 pounds per square inch, a USA So Cal gas marker next to a covered asphalt patch, unknown asphalt patches, Atlas Air crew parking spaces.	No REC		NA	121 to 122

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63	1	•		Reconnaissance	•					Southern portion of vacant parking lot - Sewer vault, drainage channel (east to west) with inlet side to the west and outlet side to the east, precast vault (unknown utility), another drainage channel along the southside of the property followed by railroad tracks, and a So Cal gas company lid surrounded by an asphalt patch. There's access to a road that leads to the former GE facility test cell, south of the northern drainage channel.	No REC		NA	20, 123 to 124
67	1			Reconnaissance	•					Asphalt pad with no known use.	No REC		NA	125
67	2			Reconnaissance	•					Asphalt pad with no known use.	No REC		NA	126
67	3			Reconnaissance	•					Two vaults on a large concrete pad that we were not able to open.	No REC		NA	127
67	4			Interview, Reconnaissance	•					Drain inlet north of 67-3.	No REC		NA	128
67	5			CDM, 1990		•				**Shooting Rage -** Historical documents identify that the area around Parcel 67 and 68 included a skeet shooting range in the mid-1940's.	Shooting ranges are often sources of subsurface impact to soil from metals such as lead. However, the location of the shooting range was not identified during this investigation and the entire area is covered with concrete and asphalt. As such, the historical use of the area as a shooting range is subject of an enforcement action if brought to the attention of appropriate governmental agencies and is considered a *de minimus* condition.		Lead, metals	None
68	1			Interview, Reconnaissance	•					Drain inlet.	No REC		NA	129
68	2			Reconnaissance; CTL, 2001			•			**Historical Clarifier and Wash Rack -** A former wash rack containing a large concrete pad and former drain inlet were observed. The drain inlet appears to be backfilled and may have been connected to a former clarifier to the south.	It is GSI's experience that clarifiers and wash racks are known to impact the subsurface with the chemicals washed from equipment. The presence of a wash rack and potential clarifier is indicative of a release to the environment and is a REC.		Hydrocarbons, VOCs, Metals	130
68	3			Reconnaissance, AP	•					Concrete walkway along the eastern Site boundary. A drain inlet is located off-site btw Cucamonga Channel and the Site.	No REC		NA	131
68	4			Reconnaissance, AP	•					Large asphalt area that leads to the taxiway.	No REC		NA	132
68	5			Reconnaissance, AP	•					Asphalt patch.	No REC		NA	133
68	6			El Capitan, 1995; CTL, 2001			•			**Historical USTs -** Two rectangular concrete pads separated by a gravel field were observed. The southern most patch is next to a panel labeled "control switch for north east floodlights is located at N.E. corner of fuel dump fence." A 1995 UST Closure Report (El Capitan) indicates that the USTs were removed, and impacted soil was excavated and removed. Confirmation samples from the USTs and fueling pad area were collected and "no further action" was recommended for the former USTs. However, no documentation of regulatory closure of the UST area was identified during this investigation.	The USTs were closed and no further action was recommended. However, no documentation of regulatory closure of the UST area was identified during this investigation, so this area is considered a REC.		Hydrocarbons, VOCs, Metals	134 to 136
68	7						•			**Historical USTs -** The Site reconnaissance and historical documentation identifies a large gravel area near 68-6 which is a former UST area that has been backfilled. A 1995 UST Closure Report (El Capitan) indicates that the USTs were removed, and impacted soil was excavated and removed. Confirmation samples from the USTs and fueling pad area were collected and "no further action" was recommended for the former USTs. However, no documentation of regulatory closure of the UST area was identified during this investigation.			Hydrocarbons, VOCs, Metals	137 to 138
68	8			Reconnaissance, AP	•					Open area with light poles going down the center in a line. The electrical line may be buried beneath the soil.	No REC		NA	139
68	9			Reconnaissance, AP	•					Two concrete walkways that lead to doors along the eastern side of the National Guard hangar.	No REC		NA	140
68	10			Reconnaissance; CTL, 2001	•					Paint on the ground and square patches in straight line.	No REC		NA	141
68	11			Reconnaissance, AP	•					Unknown concrete patch with soil and flowers surrounding it, followed by an asphalt patch.	No REC		NA	142
68	12			Reconnaissance; Encorp, 1997; CTL, 2001			•			**Historical Autoshop and Fire House -** A former Autoshop (1997) and Fire House (2001) - The building is constructed of concrete (painted), containing a concrete floor slab.	Although documented use of Fire Suppression chemicals was not observed during the reconnaissance, it is GSI's experience that Fire Suppression chemicals are a source of contaminant release to the environment. The observation of fire suppression equipment is a condition indicative of a release to the environment and is a REC.	•	PFAS, Hydrocarbons	143 to 144

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68	13			Reconnaissance, AP, Interview	•					**Former National Guard Hangar -** The building construction material is brick, pane glass, painted corrugated steel, and wood. This is a filming hangar last occupied by express jet in 2008 as a maintenance hangar. There is an asphalt patch in front of hangar that is a possible water line repair. **Inside:** circuit breakers, 4 office spaces, a hallway leading to outside, overhead power and lights, and fire extinguishers scattered across the walls. **Older U-shaped building that surrounds newer hangar:** The east side was a maintenance building and the west side of the hangar was an operations building. Both buildings are deteriorating with HVAC and ceiling on the ground in the upstairs portion of the maintenance building. The operations building contains the 196th commander office, LAPD offices, a driver's training office, and multiple other rooms.	No REC		NA	145 to 152
68	14			Reconnaissance	•					No issues	No REC		NA	NA
68	15			Reconnaissance; Encorp, 1997; CTL, 2001	•					**Former National Guard Motorcycle Shop** - Newer structure than 68-13. The building construction material is corrugated steel, glass, and a concrete foundation. **Inside:** overhead power and HVAC, drywall, a room with hardwood floors, and circuit breakers.	No REC		NA	153 to 154
68	16			Reconnaissance	•					**Ancillary Hangar Building** - The building construction material is concrete slab, wood, and corrugated steel. A shop sink, palette and a half of insulation and a circuit breaker are inside the building.	No REC		NA	155 to 156
68	17			Reconnaissance; Encorp, 1997			•			**Boiler room** - Construction materials appear to be brick exterior walls and a concrete floor slab. The boilers appear to have been constructed in 1952 (placard present). Other equipment/materials observed in the boiler room include a hot water tank, electrical main circuit breaker, air compressors, a water heater, and associated electrical panels and plumbing for the boilers. A waste oil drum (<55-gallon capacity) with a secondary containment drip pan is present. The drip pan appears to contain oil. An additional 55-gallon capacity drum (appears to be full) and 5-gallon capacity bucket (1/3 full) were present. A larger blue drum (approximately 85 gallons) is 1/4 full that is connected to an "ultrafilter" system.	An observed leaking waste drum located within a containment drip pan is representative of historical use and indicative of release to the environment and is a REC.		Hydrocarbons, VOCs, Metals, PCBs	157 to 161
68	18			AP	•					**Shed -** The building construction material is brick, painted corrugated steel, glass panes, concrete, steel piping, concrete ceiling, overhead plumbing and electrical, and concrete slabing. A hazardous placard #4 is located on the glass north of awning.	No REC		NA	162 to 164
68	19			AP	•					Transformer in front of the boiler room labeled as "non-PCB". The transformer is labeled Sierra 150 and is a metal enclosed oil cut out. A tower with three more transformers is above.	No REC		NA	165 to 166
68	20			El Capitan, 1995; CTL, 2001			•			**Historical USTs -** A 1995 Report (El Capitan, 1995 - Figure 3) indicates that one UST was removed from this area. However, a 2001 Phase I ESA (CTL Environmental Services) indicates that two USTs were located in this area and the second UST was not identified. A backfilled asphalt patch is located to the west of the boiler room. This is the location of a possible former diesel UST. A trench connects to this patch from 68-25. A 1995 UST Closure Report (El Capitan) indicates that these USTs were removed, and impacted soil was excavated and removed. Confirmation samples were collected and "no further action" was recommended for the former USTs. However, no documentation of regulatory closure was identified during this investigation. In addition, a 2001 Phase I ESA indicates that a second UST was present in this area and was not accounted for during the removal of the USTs.	The USTs were closed and no further action was recommended. However, no documentation of regulatory closure of the UST area was identified during this investigation. In addition, a 2001 Phase I ESA indicates that a second UST was present in this area and was not accounted for during the removal of the USTs. The potential presence of a remaining UST as well as the lack of documented closure for the UST that was removed in this area is a REC.		Hydrocarbons, VOCs, Metals	167 to 168
68	21			AP	•					Southern California Edison vault near 68-26.	No REC		NA	169
68	22		•	1990	•					**Off-Site National Guard yard** - Old maintenance yard with stockpile bays full of sand and 14 scattered stockpiles of soil, boulders, cobbles, gravel, mixed, mulch, asphalt. Ground water monitoring well (approx. 6 inches in diameter), a trench between buildings 2 and 3, a transformer, and an unknown concrete pad with a power trench between buildings 2 and 3.	No REC		NA	170 to 179
68	22-1			Reconnaissance			•			**Historical Clarifier and Fuel ASTs -** Building #1 contains block walls, HVAC system, a collapsed roof, deteriorated wood roof, and a concrete floor. There are five rooms within the building and a possible clarifier located south of the building.	It is GSI's experience that clarifiers are known to leak contents to the subsurface and impact the vadose zone with petroleum products or or other waste. The former presence of the clarifier is indicative of a release to the environment and is a REC.		Hydrocarbons, VOCs, Metals	180 to 181, 203
68	22-2			Reconnaissance	•					Building #2 is roughly the same as 68-22 building 1. The building is concrete slab, wood roof, and is also deteriorating. The building is a former mess hall with a kitchen, sinks, wash tubs, ovens, walk in refrigerator and pantry. There is a drain outside.	No REC		NA	182 to 183
68	22-shed 1			Reconnaissance		•				**Shed #1** - constructed of corrugated steel with flaking paint. Steel racks, a drum containing EA-200 (used to control algae/bacteria/fungi), 3 seat-mounted sweepers, and 2 above ground fuel tanks in secondary containers.	It is GSI's experience that historical fuel ASTs are a source of contaminant release to the environment. However, no leakage was observed in the secondary containment, and this area is considered to be a*de minimus* condition.		Hydrocarbons, VOCs, Oxy	186 to 188
68	22-3			Reconnaissance	•					Building #3 - concrete with wood roof and beams, deteriorating. Two unknown concrete squares outside the front of the building. A possible maintenance garage with old lawn mower bags, a safety board, bags of fertilizer, and a work bench. Bee hive outside of the building by the east entrance.	No REC		NA	184 to 185, 204

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68	22-shed 2			Reconnaissance	•					Shed #2 - painted corrugated steel that is flaking and is labeled state of CA maintenance shed. Inside: orange traffic barricades, an old air compressor line, and a "no smoking within 50 feet" sign.	No REC		NA	189
68	23		•	Reconnaissance	•					Off-Site former fuel farm was not visible. Observed a survey monument, a concrete stockpile, and a drainage channel.	No REC		NA	190 to 191
68	24			Reconnaissance	•					Rectangular back filled area with possible tie down for power.	No REC		NA	192
68	25			Reconnaissance	•					Water line to boiler room and water meters.	No REC		NA	193 to 194
68	26			Reconnaissance	•					Powerlines at the southwest corner of the former National Guard lease area.	No REC		NA	195
			•	Reconnaissance	•					**Surrounding Properties - offsite to the east of CANG and Guardian hangars:** Former vehicle maintenance area, UST 96' generator maintenance area, former rocket storage area (by the tower now), and fire station 10 that has a fuel tank and old plane full of holes from practicing putting out fires.	No REC		NA	196 to 200

Reference:
ASTM International, 2021, Designation E1527-21, Standard Practice for Environmental Site Assessment Process.

Definitions (from ASTM E1527-21)
Please reference the text of the Phase I ESA for any definitions that are not included below.
REC = recognized environmental conditions—(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.
CREC = controlled recognized environmental condition—**recognized environmental condition** affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).
HREC = historical recognized environmental condition—a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). **A historical recognized environmental condition is not a recognized environmental condition.**
de minimis condition = a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. **A condition determined to be a de minimis condition is not a recognized environmental condition nor a controlled recognized environmental condition.**
PFAS = Per- and polyfluoroalkyl substances (PFASs). PFOA are persistent in the environment and resistant to typical environmental degradation processes. Fire-fighting foam contains PFAS and has been historically utilized at the Site.
Housekeeping = This term often pertains to the Improper storage of hazardous materials which may result in impact to the subsurface.
NA = not applicable
APs = Aerial Photographs

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Appendices

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Appendix A

Regulatory Database Search Report

DATABASE REPORT

Project Property:	*Ontario Airport* *Ontario Airport* *Ontario CA 91761*
Project No:	*5925*
Report Type:	*Database Report*
Order No:	*21083000634*
Requested by:	*GSI Environmental Inc*
Date Completed:	*September 1, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
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Table of Contents

Table of Contents.....2
Executive Summary.....3
Executive Summary: Report Summary.....4
Executive Summary: Site Report Summary - Project Property.....9
Executive Summary: Site Report Summary - Surrounding Properties.....13
Executive Summary: Summary by Data Source.....28
Map.....53
Aerial.....56
Topographic Map.....57
Detail Report.....58
Unplottable Summary.....431
Unplottable Report.....432
Appendix: Database Descriptions.....440
Definitions.....454

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Executive Summary

Property Information:

Project Property:		*Ontario Airport* *Ontario Airport Ontario CA 91761*
Project No:		*5925*
Coordinates:		
	Latitude:	*34.05140938*
	Longitude:	*-117.60419571*
	UTM Northing:	*3,768,020.81*
	UTM Easting:	*444,237.08*
	UTM Zone:	*UTM Zone 11S*
Elevation:		*909 FT*

Order Information:

Order No:	*21083000634*
Date Requested:	*August 30, 2021*
Requested by:	*GSI Environmental Inc*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
DOE FUSRAP	Y	1	0	0	0	0	0	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	**1**	0	0	-	**1**
CERCLIS	Y	0.5	0	**1**	0	0	-	**1**
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	**1**	0	0	-	**1**
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	**1**	0	0	0	**1**
RCRA TSD	Y	0.5	**1**	**1**	**1**	**2**	-	**5**
RCRA LQG	Y	0.25	**2**	**2**	0	-	-	**4**
RCRA SQG	Y	0.25	0	**2**	**7**	-	-	**9**
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	**2**	**9**	**20**	-	-	**31**
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	**3**	-	-	-	-	**3**
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	**2**	0	0	0	**2**
ENVIROSTOR	Y	1	**1**	**3**	**3**	**3**	**4**	**14**
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	**1**	0	0	**1**
SWAT	Y	0.5	0	0	0	0	-	0
C&D DEBRIS RECY	Y	0.5	0	0	0	0	-	0
RECYCLING	Y	0.5	0	0	0	0	-	0
PROCESSORS	Y	0.5	0	0	0	0	-	0
CONTAINER RECY	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	**1**	0	**1**	**1**	-	**3**
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	**3**	0	-	-	**3**
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	**2**	**2**	**1**	-	-	**5**
UST SWEEPS	Y	0.25	**2**	**3**	**2**	-	-	**7**
AST	Y	0.25	0	**2**	**1**	-	-	**3**
AST SWRCB	Y	0.25	0	0	0	-	-	0
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	**1**	**3**	0	-	-	**4**
CERS TANK	Y	0.25	0	**3**	0	-	-	**3**
DELISTED CTNK	Y	0.25	0	**1**	0	-	-	**1**
HIST TANK	Y	0.25	**2**	**2**	**2**	-	-	**6**
LUR	Y	0.5	0	0	0	0	-	0
CALSITES	Y	0.5	0	**2**	0	0	-	**2**
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
VCP	Y	0.5	0	0	**1**	0	-	**1**
CLEANUP SITES	Y	0.5	**1**	**5**	0	0	-	**6**
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County								
SANBERN CUPA	Y	0.25	**8**	**16**	**32**	-	-	**56**
Additional Environmental Records								
Federal								
PFAS NPL	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	**5**	**2**	-	-	-	**7**
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	**4**	-	-	-	**4**
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	**1**	0	0	**1**	0	**2**
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
URANIUM	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
DRYCLEANERS	Y	0.25	0	0	**1**	-	-	**1**
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	**1**	0	**1**	-	**2**
PFAS GW	Y	0.5	0	0	0	**1**	-	**1**
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	0	0	0	0	0
CHMIRS	Y	PO	**2**	-	-	-	-	**2**
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	**8**	-	-	-	-	**8**
HIST MANIFEST	Y	PO	**4**	-	-	-	-	**4**
HW TRANSPORT	Y	0.125	0	0	-	-	-	0
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
HIST CORTESE	Y	0.5	0	**1**	0	0	-	**1**
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	**1**	**6**	-	-	-	**7**
DELISTED HAZ	Y	0.5	**1**	**1**	0	**4**	-	**6**
GEOTRACKER	Y	0.125	0	**1**	-	-	-	**1**
MINE	Y	1	0	0	0	0	0	0
LIEN	Y	PO	0	-	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	**2**	**8**	**3**	-	-	**13**
CDL	Y	0.125	0	0	-	-	-	0

Tribal ***No Tribal additional environmental record sources available for this State.***

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
County								
MED WST SANBERN	*Y*	*0.25*	*0*	***3***	*0*	*-*	*-*	***3***
Total:			***50***	***92***	***76***	***13***	***4***	***235***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	HIST TANK	BEECHCRAFT WEST-ONTARIO	2161 EAST AVION ST. ONTARIO CA	NNE	0.00 / 0.00	2	58
2	HIST TANK	MAINTENANCE DIVISION	2132 E. AVION ST. ONTARIO CA	S	0.00 / 0.00	-7	58
2	CHMIRS	Ontario International Airport Authority	2132 East Avion Street Ontario CA 91761 ***Control No | Notified Date:*** *17-7896 |*	S	0.00 / 0.00	-7	58
3	RCRA LQG	ONTARIO INTERNATIONAL AIRPORT	2132 E AVION ST ONTARIO CA 91761-0000 ***EPA Handler ID:*** *CAD981395122*	S	0.00 / 0.00	-7	59
3	FINDS/FRS	CITY OF LOS ANGELES LA WORLD AIRPORTS	2132 E AVION ST ONTARIO CA 917610000 ***Registry ID:*** *110002692649*	S	0.00 / 0.00	-7	64
3	HHSS	MAINTENANCE DIVISION	2132 E. AVION ST. ONTARIO CA 91761	S	0.00 / 0.00	-7	65
3	HAZNET	RAMELLI JANITORIAL SVCS.	2132 E AVION ST ONTARIO CA 917610000	S	0.00 / 0.00	-7	65
3	HAZNET	CITY OF LA - LA WORLD AIRPORTS	2132 E AVION ST ONTARIO CA 917610000	S	0.00 / 0.00	-7	65
3	HIST MANIFEST		2132 E AVION ST ONTARIO CA 917610000	S	0.00 / 0.00	-7	103
3	FINDS/FRS	ONTARIO INTERNATIONAL AIRPORT	2132 E AVION ST ONTARIO CA 91761 ***Registry ID:*** *110065028516*	S	0.00 / 0.00	-7	113
3	EMISSIONS	LA CITY, ONTARIO AIRPORT	2132 E AVION ST ONTARIO CA 91761	S	0.00 / 0.00	-7	113
3	UST SWEEPS	ONTARIO AIRPORT MAINT YARD	2132 E AVION ST ONTARIO CA ***C C | Status:*** *A36-000-11145 | ACTIVE* ***Tank ID:*** *000001, 000007, 000010, 000006, 000002, 000005, 000008, 000009, 000004, 000003*	S	0.00 / 0.00	-7	114
4	DELISTED TNK	MERCURY AIR CENTER	2161 E AVION AVE ONTARIO CA 91761	SSE	0.00 / 0.00	-8	116

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
5	HAZNET	CITY OF ONTARIO (DEPT OF AIRPORTS)	2132 AVION ONTARIO CA 917610000	S	0.00 / 0.00	-8	116
5	HIST MANIFEST		2132 AVION ONTARIO CA 917610000	S	0.00 / 0.00	-8	117
6	SANBERN CUPA	JETTPRO LINE MAINTENANCE-ATLANTIC	2161 E AVION STHangar 1 ONTARIO CA 91761	SSE	0.00 / 0.00	-8	117
7	SANBERN CUPA	AMERIFLIGHT, LLC	2161 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	-9	118
7	SANBERN CUPA	MERCURY AIR ATLANTIC AVIATION	2161 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	-9	118
7	SANBERN CUPA	JETTPRO LINE MAINTENANCE-UNITED	2161 E AVION ONTARIO CA 91761	SSE	0.00 / 0.00	-9	119
7	SANBERN CUPA	CERTIFIED AVIATION SVS MERCURY AIR	2161 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	-9	120
7	SANBERN CUPA	ONTARIO AIRCRAFT OPERATIONS	2161 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	-9	120
7	SANBERN CUPA	JET SYSTEMS INTERNATIONAL INC.	2161 E AVION AVE HNGR 2 Ontario CA 91761	SSE	0.00 / 0.00	-9	121
7	HAZNET	BEATRICE/HUNT-WESSON	2161 E AVION ST ONTARIO CA 917610000	SSE	0.00 / 0.00	-9	121
7	HAZNET	BEECHCRAFT WEST	2161 E AVION ST ONTARIO CA 917610000	SSE	0.00 / 0.00	-9	121
7	HAZNET	CERTIFIED AVIATION SERVICES INC	2161 E AVION ST ONTARIO CA 916710000	SSE	0.00 / 0.00	-9	125
7	HAZNET	SO CALIFORNIA EDISON/ONTARIO AIRCRAFT	2161 E AVION ST ONTARIO CA 917610000	SSE	0.00 / 0.00	-9	126
7	HAZNET	BEECHCRAFT WEST	2161 E AVION ST ONTARIO CA 917610000	SSE	0.00 / 0.00	-9	134
7	HIST MANIFEST		2161 E AVION ST ONTARIO CA 917610000	SSE	0.00 / 0.00	-9	134

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
7	HIST MANIFEST		2161 E AVION ST ONTARIO CA 917610000	SSE	0.00 / 0.00	-9	135
7	FINDS/FRS	AMERIFLIGHTNA LLC	2161 E AVION ST ONTARIO CA 91761 ***Registry ID:*** *110065255306*	SSE	0.00 / 0.00	-9	141
7	EMISSIONS	BEECH CRAFT WEST	2161 E AVION ST ONTARIO CA	SSE	0.00 / 0.00	-9	142
7	CERS HAZ	AMERIFLIGHT, LLC	2161 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	-9	142
7	RCRA NON GEN	JETT PRO	2161 E AVION AVE ONTARIO CA 91761-8067 ***EPA Handler ID:*** *CAL000333086*	SSE	0.00 / 0.00	-9	145
7	RCRA NON GEN	JET SYSTEMS INTERNATIONAL INC	2161 E AVION AVE ONTARIO CA 91761-8067 ***EPA Handler ID:*** *CAL000326692*	SSE	0.00 / 0.00	-9	146
7	UST SWEEPS	BEECHCRAFT WEST-ONTARIO	2161 E AVION ST ONTARIO CA ***C C | Status:*** *A36-000-46263 | ACTIVE* ***Tank ID:*** *000004, 000006, 000007, 000002, 000001, 000003, 000005*	SSE	0.00 / 0.00	-9	147
8	CHMIRS	Mercury Air Center	2161 East Avion St., Ontario Airport Ontario CA 91761 ***Control No | Notified Date:*** *5/29/200101:38:05 PM*	SSE	0.00 / 0.00	-9	148
8	HHSS	BEECHCRAFT WEST-ONTARIO	2161 EAST AVION ST. ONTARIO CA 91761	SSE	0.00 / 0.00	-9	148
8	FINDS/FRS	JETTPRO LINE MAINTENANCE-ATLANTIC	2161 E AVION ST HANGAR 1 ONTARIO CA 91761 ***Registry ID:*** *110065395209*	SSE	0.00 / 0.00	-9	149
8	DELISTED HAZ	JETTPRO LINE MAINTENANCE-ATLANTIC	2161 E AVION ST HANGAR 1 ONTARIO CA 91761	SSE	0.00 / 0.00	-9	149
9	FUDS	ONTARIO A.N.G. TRAINING SITE	ONTARIO CA ***FUDS Property No:*** *J09CA0522*	E	0.00 / 0.00	-5	149
10	RCRA TSD	GE ENGINE SERVICES LLC W COAST OPS	2264 E AVION ST ONTARIO CA 91761 ***EPA Handler ID:*** *CAD981375124*	SSE	0.00 / 0.00	-14	150
10	RCRA LQG	GE ENGINE SERVICES LLC W COAST OPS	2264 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	-14	157

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: *CAD981375124*				
10	SANBERN CUPA	GE ENGINE SERVICES LLC	2264 E AVION ST ONTARIO CA 91710	SSE	0.00 / 0.00	-14	164
10	CLEANUP SITES	GENERAL ELECTRIC CO - JET ENGINE TEST CELL FACILITY	2264 E. AVION STREET ONTARIO CA 91761	SSE	0.00 / 0.00	-14	165
			Status | Site Facility Type: *OPEN - VERIFICATION MONITORING | CLEANUP PROGRAM SITE*				
10	LUST	GE TEST CELL FACILITY	2264 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	-14	175
			Global ID | Status | Status Date: *T0607100233 | COMPLETED - CASE CLOSED | 3/1/2010*				
11	ERNS		ENGINE MAINTENANCE CTR 1923 EAST AVION ST. ONTARIO CA 91761 ***NRC Report No:*** *60091*	W	0.00 / 0.00	2	182
11	ERNS		ENGINE MAINTENANCE CTR 1923 EAST AVION ST. ONTARIO CA 91761 ***NRC Report No:*** *73569*	W	0.00 / 0.00	2	184
11	ERNS		ENGINE MAINTENANCE CTR 1923 EAST AVION ST. ONTARIO CA 91761 ***NRC Report No:*** *57579*	W	0.00 / 0.00	2	186
12	ENVIROSTOR	GENERAL ELECTRIC, MAIN FACILITY	1923 E. AVION STREET ONTARIO CA 91761	WSW	0.00 / 0.00	-4	188
			Estor/EPA ID | Cleanup Status: *71002298 | INACTIVE - NEEDS EVALUATION AS OF*				
13	FINDS/FRS	LOCKHEED AIR TERMINALNA INC.	AVION BLVD ONTARIO CA 91761	SSE	0.00 / 0.00	-15	188
			Registry ID: *110065220273*				

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
14	AST	G E ENGINE SERVICES INC	2264 E. AVION ST ONTARIO CA 91761	ESE	0.01 / 68.69	-16	189
14	FINDS/FRS	GE TEST CELL FACILITY	2264 E AVION ST ONTARIO CA 91761 ***Registry ID:*** 110066490381	ESE	0.01 / 68.69	-16	189
14	FINDS/FRS	GE ENGINE SERVICES LLC W COAST OPS	2264 E AVION ST ONTARIO CA 91761 ***Registry ID:*** 110070752344	ESE	0.01 / 68.69	-16	189
15	RCRA SQG	AMERICAN L A FRANCE WITH L A	1049 VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID:*** CAR000071605	WNW	0.05 / 267.05	6	190
16	CERCLIS	GENERAL ELECTRIC AVIATION SERVS OPS	1923 E AVION ST ONTARIO CA 91761 ***Site EPA ID:*** CAD009542721	W	0.06 / 305.26	0	191
16	CERCLIS NFRAP	GENERAL ELECTRIC AVIATION SERVS OPS	1923 E AVION ST ONTARIO CA 91761 ***Site EPA ID:*** CAD009542721	W	0.06 / 305.26	0	193
16	RCRA NON GEN	GE ENGINE SERVICES INC.	1923 E AVION ST ONTARIO CA 91761 ***EPA Handler ID:*** CAD009542721	W	0.06 / 305.26	0	194
16	RCRA TSD	GE ENGINE SERVICES INC.	1923 E AVION ST ONTARIO CA 91761 ***EPA Handler ID:*** CAD009542721	W	0.06 / 305.26	0	201
16	RCRA CORRACTS	GE ENGINE SERVICES INC.	1923 E AVION ST ONTARIO CA 91761 ***EPA Handler ID:*** CAD009542721	W	0.06 / 305.26	0	209
16	SANBERN CUPA	G E ENGINE SERVICES INC	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	0	218
16	SANBERN CUPA	ONTARIO INTERNATIONAL AIRPORT	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	0	218
16	SEMS ARCHIVE	GENERAL ELECTRIC AVIATION SERVS OPS	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	0	220

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA ID: CAD009542721				
16	UST	ONTARIO INTERNATIONAL AIRPORT	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	0	220
			Facility ID: FA0002014				
16	EMISSIONS	GENERAL ELECTRIC CO	1923 E AVION STREET ONTARIO CA 91761	W	0.06 / 305.26	0	221
16	CERS TANK	ONTARIO INTERNATIONAL AIRPORT	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	0	221
			Site ID: 398642				
16	GEOTRACKER	ONTARIO INTERNATIONAL AIRPORT	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	0	232
16	PFAS	ONTARIO INTERNATIONAL AIRPORT	1923 E Avion St Ontario CA	W	0.06 / 305.26	0	233
			Status | Site Facility Type: Open - Site Assessment | Project				
16	UST SWEEPS	GENERAL ELECTRIC CO-AVIATION	1923 E AVION ST ONTARIO CA	W	0.06 / 305.26	0	234
			C C | Status: A36-000-186 | ACTIVE ***Tank ID:*** 000004, 000015, 000006, 000014, 000009, 000005, 000013, 000001, 000010, 000016, 000002, 000007, 000008, 000011				
16	UST SWEEPS	GENERAL ELECTRIC CO. -AVIATION	1923 E AVION ST ONTARIO CA	W	0.06 / 305.26	0	237
			C C | Status: I36-000-186 | INACTIVE ***Tank ID:*** 000012, 000003				
16	MED WST SANBERN	G E ENGINE SERVICES	1923 E AVION ST ONTARIO CA	W	0.06 / 305.26	0	238
17	DELISTED TNK	FEDERAL EXPRESS CORP	1801 E AVION AVE ONTARIO CA 91761	W	0.06 / 316.02	0	238
18	RESPONSE	GE ENGINE SERVICES TEST CELL FACILITY (AKA GE AIRCRAFT)	2264 E. AVION PLACE ONTARIO CA 91761	SE	0.06 / 329.51	-19	238
			Estor/EPA ID | Cleanup Status: 36370024 | REFER: RWQCB AS OF 5/7/2019				
18	HIST CORTESE	GE AIRCRAFT, ENGINE MAINTENANCE CTR	2264 AVION PLACE ONTARIO CA 91761	SE	0.06 / 329.51	-19	243
18	EMISSIONS	GENERAL ELECTRIC COMPANY	2264 AVION PLACE ONTARIO CA 91761	SE	0.06 / 329.51	-19	244

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
18	ENVIROSTOR	GE ENGINE SERVICES TEST CELL FACILITY (AKA GE AIRCRAFT)	2264 E. AVION PLACE ONTARIO CA 91761	SE	0.06 / 329.51	-19	244
			***Estor/EPA ID	Cleanup Status:*** 36370024 | REFER: RWQCB AS OF 5/7/2019			
18	CALSITES	GE AIRCRAFT, ENGINE MAINTENANCE CTR	2264 AVION PLACE ONTARIO CA 91761	SE	0.06 / 329.51	-19	249
19	ENVIROSTOR	GE ENGINE SERVICES, INC.	2264 E. AVION PLACE ONTARIO CA 91761	SE	0.06 / 338.14	-18	250
			***Estor/EPA ID	Cleanup Status:*** 71002752 | INACTIVE - NEEDS EVALUATION AS OF			
20	EMISSIONS	ONTARIO INT. AIRPORT	1923 EAST AVION STREET ONTARIO CA 91761	W	0.07 / 349.75	0	251
20	EMISSIONS	ONTARIO INT AIRPORT	1923 EAST AVION STREET ONTARIO CA 91761	W	0.07 / 349.75	0	256
21	RCRA NON GEN	EXPRESSJET AIRLINES INC	2475 E AVION DRIVE ONTARIO CA 91761	ESE	0.07 / 360.02	-18	257
			EPA Handler ID: CAR000183244				
21	SANBERN CUPA	EXPRESSJET AIRLINES	2475 E AVION ST ONTARIO CA 91761	ESE	0.07 / 360.02	-18	260
22	UST	FAA Air Traffic Control Tower (ONT)	1250 Tower Drive Ontaio CA 91761	ESE	0.08 / 427.90	-11	260
			Facility ID: FA0003030				
22	RCRA NON GEN	FEDERAL AVIATION ADMINISTRATION	1250 TOWER DRIVE ONTARIO CA 91761	ESE	0.08 / 427.90	-11	260
			EPA Handler ID: CAC003120717				
23	MED WST SANBERN	ONTARIO FIRE DEPARTMENT STATION NO 10	1230 TOWER DR ONTARIO, CA 91761 CA	E	0.08 / 434.24	-7	261
23	MED WST SANBERN	ONTARIO FIRE STATION NO 10	1230 TOWER DR ONTARIO, CA 91761 CA	E	0.08 / 434.24	-7	262
24	RCRA SQG	USANG ONTARIO AIR NATIONAL GUARD STATION	1280 S TOWER DR ONTARIO CA 91761-7627	ESE	0.08 / 439.46	-16	262
			EPA Handler ID: CA8572890137				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
25	SANBERN CUPA	HI QUALITY INT'L INC	2530 E LINDSAY PRIVADO A ONTARIO CA 91761	SE	0.08 / 443.65	-24	265
25	SANBERN CUPA	KEYSTONE AUTOMOTIVE IND INC	2530 E LINDSAY PRIVADO DR STEC ONTARIO CA 91761	SE	0.08 / 443.65	-24	265
26	SANBERN CUPA	FAA Air Traffic Control Tower (ONT)	1250 TOWER DR ONTARIO CA 91761	ESE	0.09 / 451.40	-10	266
26	CERS TANK	FAA Air Traffic Control Tower (ONT)	1250 TOWER DRIVE ONTAIO CA 91761 ***Site ID:*** 29330	ESE	0.09 / 451.40	-10	266
27	DELISTED TNK	FE-FAA ONT ATCT	1250 TOWER ST ONTARIO CA 91761	ESE	0.09 / 451.43	-10	273
28	SANBERN CUPA	LSG SKY CHEFS	1902 E AVION AVE ONTARIO CA 91761	W	0.10 / 533.99	1	273
29	SANBERN CUPA	THE FOLAND GROUP	1500 S HELLMAN AVE ONTARIO CA 91761	SSE	0.10 / 534.64	-21	273
29	DELISTED HAZ	THE FOLAND GROUP	1500 S HELLMAN AVE ONTARIO CA 91761	SSE	0.10 / 534.64	-21	274
29	CERS HAZ	THE FOLAND GROUP	1500 S HELLMAN AVE ONTARIO CA 91761	SSE	0.10 / 534.64	-21	274
30	HMIRS		1801 AVION STREET ONTARIO CA	W	0.10 / 551.58	1	278
30	HMIRS		1801 AVION STREET ONTARIO CA	W	0.10 / 551.58	1	279
31	RESPONSE	ONTARIO AIR NATIONAL GUARD	2500 JURUPA STREET ONTARIO CA 91761 ***Estor/EPA ID	Cleanup Status:*** 36970008 | CERTIFIED AS OF 9/11/2000	ESE	0.11 / 554.90	-19	281
31	CLEANUP SITES	Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force)	2500 Jurupa St. Ontario CA 91761 ***Status	Site Facility Type:*** Completed - Case Closed | Military Cleanup Site	ESE	0.11 / 554.90	-19	283

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
31	CLEANUP SITES	Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force) - SI	WP 2500 Jurupa St. Ontario CA 91761	ESE	0.11 / 554.90	-19	286
			Status* | *Site Facility Type: Completed - Case Closed | Military Cleanup Site				
31	CLEANUP SITES	Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force) -	32055 2500 Jurupa St. Ontario CA 91761	ESE	0.11 / 554.90	-19	288
			Status* | *Site Facility Type: Completed - Case Closed | Military Cleanup Site				
31	CLEANUP SITES	Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force) -	80536 2500 Jurupa St. Ontario CA 91761	ESE	0.11 / 554.90	-19	291
			Status* | *Site Facility Type: Completed - Case Closed | Military Cleanup Site				
31	CLEANUP SITES	Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force) -	BULDG 2500 Jurupa St. Ontario CA 91761	ESE	0.11 / 554.90	-19	293
			Status* | *Site Facility Type: Completed - Case Closed | Military Cleanup Site				
31	ENVIROSTOR	ONTARIO AIR NATIONAL GUARD	2500 JURUPA STREET ONTARIO CA 91761	ESE	0.11 / 554.90	-19	295
			Estor/EPA ID* | *Cleanup Status: 36970008 | CERTIFIED AS OF 9/11/2000				
31	CALSITES	ONTARIO AIR NATIONAL GUARD	2500 JURUPA STREET ONTARIO CA 91761	ESE	0.11 / 554.90	-19	298
32	RCRA LQG	AIRCRAFT SERVICE INTERNATIONAL GROUP	1049 S. VINEYARD AVENUE ONTARIO CA 91761	W	0.11 / 565.85	4	299
			EPA Handler ID: CAL000238995				
32	SANBERN CUPA	ONTARIO AIRCRAFT SERVICE, INC.	1049 S VINEYARD ONTARIO CA 91761	W	0.11 / 565.85	4	301
32	SANBERN CUPA	ASIG ONT	1049 S Vineyard Ave Ontario CA 91761	W	0.11 / 565.85	4	301
32	RCRA NON GEN	MENZIES AVIATION DBA AIRCRAFT SERVICE INTL GROUP INC	1049 S VINEYARD AVE SAN BERNARDINO CA 91761	W	0.11 / 565.85	4	302
			EPA Handler ID: CAL000432861				
33	CERS HAZ	Airport Terminal Services	1049A S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 565.89	4	303
33	SANBERN CUPA	AIRPORT TERMINAL SERVICES	1049A S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 565.89	4	305

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
33	RCRA NON GEN	AIRPORT TERMINAL SERVICES	1049 A S VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID:*** CAL000452105	W	0.11 / 565.89	4	306
34	DELISTED TNK	OIA-L.A. WORLD AIRPORT	1150 S VINEYARD AVE ONTARIO CA 91761	WNW	0.11 / 577.20	9	307
35	EMISSIONS	ONTARIO AIRCRAFT SERV INC	1152 S VINEYARD ONTARIO CA 91761	W	0.11 / 585.02	1	307
36	AST	GUARDIAN JET CENTER	1150 S. VINEYARD AVE ONTARIO CA 91761	W	0.11 / 585.13	1	308
36	HHSS	FLUOR CORPORATION FLIGHT OPERA	1150 SOUTH VINEYARD AVENUE ONTARIO CA 91761	W	0.11 / 585.13	1	308
36	HHSS	FLUORS AIRPORT OPERATIONS	1150 SOUTH VINEYARD AVENUE ONTARIO CA 91761	W	0.11 / 585.13	1	308
36	HIST TANK	FLUOR CORPORATION FLIGHT OPERA	1150 SOUTH VINEYARD AVENUE ONTARIO CA	W	0.11 / 585.13	1	308
36	HIST TANK	FLUOR'S AIRPORT OPERATIONS	1150 SOUTH VINEYARD AVENUE ONTARIO CA	W	0.11 / 585.13	1	308
37	RCRA LQG	RAYTHEON COMPANY	1120 S. VINEYARD AVE. ONTARIO CA 91761 ***EPA Handler ID:*** CAR000294181	W	0.11 / 588.73	0	309
37	DELISTED CTNK	Raytheon Company-Ontario	1120 S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 588.73	0	310
37	SANBERN CUPA	RAYTHEON COMPANY - ONTARIO	1120 S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 588.73	0	311
37	CERS HAZ	Raytheon Company - Ontario	1120 S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 588.73	0	311

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
38	SANBERN CUPA	GUARDIAN JET CENTER	1150 S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 590.59	0	314
38	SANBERN CUPA	CERTIFIED AVIATION SVCS GUARDIAN	1150 S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 590.59	0	314
38	SANBERN CUPA	Jet Zone	1150 S Vineyard Ave Ontario CA 91761	W	0.11 / 590.59	0	315
38	UST	GUARDIAN JET CENTER	1150 S VINEYARD AVE ONTARIO CA 91761 ***Facility ID:*** FA0005034	W	0.11 / 590.59	0	315
38	CERS TANK	GUARDIAN JET CENTER	1150 S VINEYARD AVE ONTARIO CA 91761 ***Site ID:*** 34706	W	0.11 / 590.59	0	315
38	CERS HAZ	Jet Zone	1150 S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 590.59	0	322
38	RCRA NON GEN	GUARDIAN AIR	1150 S VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID:*** CAL000280214	W	0.11 / 590.59	0	325
38	RCRA NON GEN	CAS	1150 S. VINEYARD AVE. ONTARIO CA 91761 ***EPA Handler ID:*** CAC002991600	W	0.11 / 590.59	0	326
38	UST SWEEPS	FLOUR CORP-FLIGHT OPERATIONS	1150 S VINEYARD AVE ONTARIO CA ***C C | Status:*** A36-000-11637 | ACTIVE ***Tank ID:*** 000001, 000002	W	0.11 / 590.59	0	327
38	RCRA NON GEN	CERTIFIED AVIATION SERVICES LLC	1150 S VINEYARD AVE ONTARIO CA 91761-7753 ***EPA Handler ID:*** CAL000317009	W	0.11 / 590.59	0	328
39	HMIRS		VINYARD & MISSION ONTARIO CA	WSW	0.12 / 607.66	-4	329
39	HMIRS		VINYARD & MISSION ONTARIO CA	WSW	0.12 / 607.66	-4	331
40	RCRA NON GEN	KEYSTONE AUTOMOTIVE INDUSTRIES INC	2530 LINDSEY PRIVADO DR STE C ONTARIO CA 91761-3460 ***EPA Handler ID:*** CAL000332441	ESE	0.12 / 612.08	-20	333

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
41	EMISSIONS	KEYSTONE AUTOMOTIVE INDUSTRIES, INC.	2530 E LINDSAY PRIVADO SUITE C ONTARIO CA 91761	ESE	0.12 / 616.83	-20	334
41	CERS HAZ	KEYSTONE AUTOMOTIVE IND INC	2530 E LINDSAY PRIVADO DR STE C ONTARIO CA 91761	ESE	0.12 / 616.83	-20	336
42	SANBERN CUPA	AMERICAN AQUATICS INC	1420 S CARLOS AVE ONTARIO CA 91761	SW	0.12 / 617.14	-15	339
42	CERS HAZ	AMERICAN AQUATICS INC	1420 S CARLOS AVE ONTARIO CA 91761	SW	0.12 / 617.14	-15	340
43	EMISSIONS	GENERAL ELECTRIC COMPANY	2264 AVION DR ONTARIO CA 91761	W	0.12 / 653.32	-1	343
43	EMISSIONS	GE ENGINE SERVICES	2264 AVION DR ONTARIO CA 91761	W	0.12 / 653.32	-1	343
44	SANBERN CUPA	LANIC ENGINEERING, INC	2571 LINDSAY PRIVADO ONTARIO CA 91762	ESE	0.13 / 690.26	-19	349
44	SANBERN CUPA	FUTURE MACHINE PROD INC	2571 LINDSAY PRIVADO ONTARIO CA 91761	ESE	0.13 / 690.26	-19	349
45	RCRA TSD	PBY PLASTICS	2571 LINDSAY PRIVADO DR. ONTARIO CA 91761 ***EPA Handler ID:*** CAC003008700	ESE	0.13 / 693.77	-17	350
45	RCRA NON GEN	PBY PLASTICS	2571 LINDSAY PRIVADO DR. ONTARIO CA 91761 ***EPA Handler ID:*** CAC003008700	ESE	0.13 / 693.77	-17	351
46	HIST TANK	ONTARIO ANG STATION	2500 ACACIA STREET ONTARIO CA	WSW	0.14 / 714.33	-10	352
46	UST SWEEPS	ONTARIO ANG STATION	2500 ACACIA ST ONTARIO CA ***C C | Status:*** A36-000-7563 | ACTIVE ***Tank ID:*** 000005, 000004, 000006, 000001, 000007, 000002, 000003	WSW	0.14 / 714.33	-10	352
47	SANBERN CUPA	Promarksvac Corp.	1915 E Acacia St Ontario CA 91761	WSW	0.14 / 729.52	-10	354

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
47	RCRA NON GEN	PROMARKS VAC CORP	1915 E ACACIA ST ONTARIO CA 91761 ***EPA Handler ID:*** CAL000425309	WSW	0.14 / 729.52	-10	354
47	RCRA NON GEN	PROMARKS INC	1915 E ACACIA ST ONTARIO CA 91761-7921 ***EPA Handler ID:*** CAL000354717	WSW	0.14 / 729.52	-10	355
48	SANBERN CUPA	TOTAL FILTRATION SERVICES	1421 S BALBOA AVE ONTARIO CA 91761	SW	0.14 / 743.77	-15	356
49	SANBERN CUPA	KRP TOPMASTER	1440 S CARLOS AVE ONTARIO CA 91761	SSW	0.14 / 746.64	-17	356
50	SANBERN CUPA	CAPITOL STEEL PRODUCTS	1420 S BALBOA AVE ONTARIO CA 91761	SW	0.14 / 748.73	-14	357
50	RCRA NON GEN	CAPITAL STEEL PRODUCTS	1420 S BALBA AVE ONTARIO CA 91761 ***EPA Handler ID:*** CAL000452346	SW	0.14 / 748.73	-14	357
51	RCRA NON GEN	Y & D RUBBER CO INC	1451 S CARLOS AVE ONTARIO CA 91761-7676 ***EPA Handler ID:*** CAL000321142	SSW	0.15 / 773.04	-18	358
52	LUST	FLUOR CORP. FLIGHT OPERATIONS	1150 VINEYARD AVE ONTARIO CA 91761 ***Global ID | Status | Status Date:*** T0607100238 | COMPLETED - CASE CLOSED | 2/18/1992	W	0.15 / 789.08	3	359
53	SANBERN CUPA	Y&D RUBBER CO INC	1451 S CARLOS ST ONTARIO CA 91761	SSW	0.15 / 797.97	-18	362
54	SANBERN CUPA	ACCELERATE 360	2590 E LINDSAY PRIVADO ONTARIO CA 91761	ESE	0.15 / 816.97	-19	362
55	SANBERN CUPA	RELIABLE GRINDING	1441 S Balboa Ave Ontario CA 91761	SW	0.15 / 818.12	-16	362
55	RCRA NON GEN	RELIABLE GRINDING	1441 S BALBOA AVE ONTARIO CA 91761 ***EPA Handler ID:*** CAL000412464	SW	0.15 / 818.12	-16	363
56	RCRA NON GEN	TNG PROLOGIX	2590 LINDSEY PRIVADO DR ONTARIO CA 91761-3405 ***EPA Handler ID:*** CAL000407044	ESE	0.16 / 826.47	-19	364
57	RCRA NON GEN	GARY CARLETON	1460 S CARLOS AVE ONTARIO CA 91761-7655	SSW	0.16 / 852.36	-18	365

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: CAC003036955				
57	RCRA NON GEN	CINTAS CORPORATION NO 2	1460 S CARLOS AVE ONTARIO CA 91761 ***EPA Handler ID:*** CAL000457372	SSW	0.16 / 852.36	-18	366
57	SANBERN CUPA	CINTAS	1460 S CARLOS AVE ONTARIO CA 91761	SSW	0.16 / 852.36	-18	367
58	SANBERN CUPA	TOSHIBA MACHINE CO., AMERICA	1440 S BALBOA AVE ONTARIO CA 91761	SW	0.16 / 854.80	-16	368
59	SANBERN CUPA	OTTO INSTRUMENT SERVICE, INC.	1441 VALENCIA PL ONTARIO CA 91761	WSW	0.17 / 875.65	-13	368
59	RCRA NON GEN	OTTO INSTRUMENT SERVICE INC	1441 VALENCIA PL ONTARIO CA 91761-0000 ***EPA Handler ID:*** CAL000183288	WSW	0.17 / 875.65	-13	368
60	RCRA SQG	SUPERIOR METAL SHAPES	1471 VALENCIA AVE ONTARIO CA 91761 ***EPA Handler ID:*** CAD982445280	WSW	0.17 / 907.19	-14	369
61	SANBERN CUPA	HENDERSON MFG COMPANY INC	2041 ELM CT ONTARIO CA 91761	SSW	0.17 / 916.43	-21	371
61	SANBERN CUPA	WAGNER DIE SUPPLY	2041 ELM CT ONTARIO CA 91761	SSW	0.17 / 916.43	-21	372
61	RCRA SQG	FRANK WAGNER AND SON	2041 ELM CT ONTARIO CA 91761 ***EPA Handler ID:*** CAD983638644	SSW	0.17 / 916.43	-21	372
62	SANBERN CUPA	VIVO POOLS	1400 S VINEYARD AVE A ONTARIO CA 91761	WSW	0.17 / 919.88	-10	373
63	RCRA NON GEN	PUMPING SOLUTIONS INC	1400 S VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID:*** CAL000374447	WSW	0.17 / 921.64	-10	373
64	RCRA NON GEN	AMERICAN NEWS COMPANY LLC	2590 E LINDSAY PRIVADO DR ONTARIO CA 91761 ***EPA Handler ID:*** CAL000449031	SE	0.18 / 950.80	-25	374
65	SANBERN CUPA	CORSON BUILT INC	1480 S CARLOS AVE ONTARIO CA 91761	SSW	0.18 / 971.43	-20	376

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
65	SANBERN CUPA	EXECUTIVE SAFE & SECURITY CORP	1480 S CARLOS AVE ONTARIO CA 91761	SSW	0.18 / 971.43	-20	376
66	RCRA SQG	ARRAL INDUSTRIES INC	2101 CARRILLO PRIVADO ONTARIO CA 91761 ***EPA Handler ID:*** CAD982361289	S	0.19 / 976.89	-26	376
66	SANBERN CUPA	ARRAL INDUSTRIES INC	2101 CARRILLO PRIVADO ST ONTARIO CA 91761	S	0.19 / 976.89	-26	378
66	SANBERN CUPA	SIGN INDUSTIRES INC	2101 CARRILLO PRIVADO ONTARIO CA 91761	S	0.19 / 976.89	-26	378
66	EMISSIONS	SIGN INDUSTRIES INC	2101 CARRILLO PRIVADO ONTARIO CA 91761	S	0.19 / 976.89	-26	379
66	RCRA NON GEN	SIGN INDUSTRIES INC	2101 CARRILLO PRIVADO ONTARIO CA 91761 ***EPA Handler ID:*** CAL000317858	S	0.19 / 976.89	-26	380
67	DRYCLEANERS	UST DRY UTILITIES INC	2001 ELM CT ONTARIO CA 91761	SSW	0.19 / 979.38	-21	381
68	HIST TANK	BOMATIC, INC.	1841 E. ACACIA STREET ONTARIO CA	WSW	0.19 / 992.34	-10	382
69	SANBERN CUPA	BOMATIC INC	1841 E ACACIA ST ONTARIO CA 91761	WSW	0.19 / 995.60	-10	382
69	HHSS	BOMATIC INC	1841 E. ACACIA STREET ONTARIO CA 91761	WSW	0.19 / 995.60	-10	382
69	RCRA NON GEN	BOMATIC INC	1841 E ACACIA ST ONTARIO CA 91761-0000 ***EPA Handler ID:*** CAL000093525	WSW	0.19 / 995.60	-10	382
69	UST SWEEPS	BOMATIC, INC.	1841 E ACACIA ST ONTARIO CA ***C C | Status:*** I36-000-2190 | INACTIVE ***Tank ID:*** 000001	WSW	0.19 / 995.60	-10	383
70	SANBERN CUPA	WATSON'S PROFILING CORP	1460 S BALBOA AVE ONTARIO CA 91761	SW	0.19 / 998.94	-18	384

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
70	RCRA NON GEN	WATSON'S PROFILING CORP	1460 S BALBOA AVE ONTARIO CA 91761-7609 ***EPA Handler ID:*** CAL000315044	SW	0.19 / 998.94	-18	384
71	SANBERN CUPA	ICG COMMUNICATIONS	1471 VALENCIA PL ONTARIO CA 91761	SW	0.20 / 1,029.68	-16	385
72	RCRA NON GEN	TESLA, INC.	1980 ELM CT. ONTARIO CA 91761 ***EPA Handler ID:*** CAC002986080	SSW	0.20 / 1,071.95	-21	386
73	RCRA SQG	MICRODYNE PLASTICS INC	2611 LINDSAY PRIVADO ONTARIO CA 91761 ***EPA Handler ID:*** CAR000034231	ESE	0.20 / 1,076.45	-20	387
74	RCRA SQG	PUMPING SOLUTIONS	1400 A VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID:*** CAR000091629	WSW	0.20 / 1,079.21	-13	388
75	SANBERN CUPA	Alpha Surplus, Inc	1980 E Elm St Ontario CA 91761	SSW	0.21 / 1,089.66	-21	389
75	RCRA NON GEN	ALPHA SURPLUS INC	1980 E ELM ST ONTARIO CA 91761-7610 ***EPA Handler ID:*** CAL000386346	SSW	0.21 / 1,089.66	-21	389
76	SANBERN CUPA	MASTER FAB INC	1440 S VINEYARD AVE ONTARIO CA 91761	WSW	0.21 / 1,108.13	-13	390
77	RCRA SQG	MASTER FAB INC	1440 S VINEYARD ONTARIO CA 91761 ***EPA Handler ID:*** CAR000080192	WSW	0.21 / 1,117.71	-13	391
78	SANBERN CUPA	SOUP BASES LOADED, INC.	1480 S BALBOA AVE ONTARIO CA 91761	SW	0.21 / 1,118.76	-19	392
79	SANBERN CUPA	HARDWARE SPECIALTIES	2041 LOCUST CT ONTARIO CA 91761	S	0.21 / 1,132.26	-28	392
79	SANBERN CUPA	AFFILIATED STEEL & TUBE	2041 LOCUST CT ONTARIO CA 91761	S	0.21 / 1,132.26	-28	393
80	SANBERN CUPA	TOSHIBA MACHINE CO, AMERI	1481 S BALBOA AVE ONTARIO CA 91761	SW	0.22 / 1,149.55	-20	393

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
81	SANBERN CUPA	MONARC INDUSTRIES	1420 S VINEYARD AVE ONTARIO CA 91761	WSW	0.22 / 1,158.49	-13	393
82	RCRA SQG	METRIC MACHINING	1425 S VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID:*** CAR000161240	SW	0.22 / 1,184.32	-16	394
82	SANBERN CUPA	METRIC MACHINING	1425 S VINEYARD AVE ONTARIO CA 91761	SW	0.22 / 1,184.32	-16	395
82	AST	METRIC MACHINING	1425 S. VINEYARD AVE ONTARIO CA 91761	SW	0.22 / 1,184.32	-16	395
82	EMISSIONS	GOE ENGINEERING	1425 S VINEYARD ONTARIO CA 91761	SW	0.22 / 1,184.32	-16	396
82	EMISSIONS	GOE ENGINEERING CO INC	1425 S VINEYARD ONTARIO CA 91761	SW	0.22 / 1,184.32	-16	396
82	ENVIROSTOR	1425 S. VINEYARD AVENUE	1425 S. VINEYARD AVENUE ONTARIO CA 91761 ***Estor/EPA ID | Cleanup Status:*** 60002476 | ACTIVE AS OF 8/22/2018	SW	0.22 / 1,184.32	-16	398
82	VCP	1425 S. VINEYARD AVENUE	1425 S. VINEYARD AVENUE ONTARIO CA 91761 ***Estor/EPA ID | Cleanup Status:*** 60002476 | ACTIVE AS OF 8/22/2018	SW	0.22 / 1,184.32	-16	400
82	RCRA NON GEN	7 DAZE LLC	1425 S VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID:*** CAL000451299	SW	0.22 / 1,184.32	-16	402
83	RCRA NON GEN	COMPU-METAL,INC	1480 S. VINEYARD AVE. ONTARIO CA 91761 ***EPA Handler ID:*** CAC002974549	WSW	0.23 / 1,222.04	-15	403
84	ENVIROSTOR	GE ENGINE SERVICES INC	1923 E. AVION PLACE ONTARIO CA 917610000 ***Estor/EPA ID | Cleanup Status:*** 80001638 | INACTIVE - NEEDS EVALUATION AS OF 3/20/2013	NNW	0.23 / 1,230.11	25	404
84	ENVIROSTOR	GE ENGINE SERVICES INC	ONTARIO INT'L AIRPORT ONTARIO CA 917610000 ***Estor/EPA ID | Cleanup Status:*** CAD009542721 |	NNW	0.23 / 1,230.11	25	408
84	HWP	GE ENGINE SERVICES INC	ONTARIO INT'L AIRPORT ONTARIO CA 917610000 ***Estor/EPA ID:*** CAD009542721	NNW	0.23 / 1,230.11	25	409

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
85	SANBERN CUPA	ALLIED HYDRAULICS	1490 S VINEYARD AVE STE A & B ONTARIO CA 91761	WSW	0.24 / 1,269.12	-14	410
86	SANBERN CUPA	Cummings Industries Inc DBA North American Crane Company	2041 E Locust Ct Ontario CA 91761	SSW	0.24 / 1,274.97	-29	410
86	RCRA NON GEN	CUMMINGS INDUSTRIES INC DBA NORTH AMERICAN CRANE COMPANY	2041 E LOCUST CT ONTARIO CA 91761-7618 ***EPA Handler ID:*** CAL000396307	SSW	0.24 / 1,274.97	-29	411
87	RCRA TSD	WILBUR ELLIS	2275 EAST LOCUST CT ONTARIO CA 91761 ***EPA Handler ID:*** CAC003013591	S	0.27 / 1,404.61	-31	412
88	RCRA TSD	ANGELES PRECISION ENGINEERING, INC.	2060 E. LOCUST ST. UNIT E ONTARIO CA 91761 ***EPA Handler ID:*** CAL000445614	SSW	0.32 / 1,691.34	-30	413
89	ENVIROSTOR	ONTARIO ARMY AIRFIELD	1923 E AVION DR ONTARIO CA 91761 ***Estor/EPA ID | Cleanup Status:*** 80000416 | NO FURTHER ACTION AS OF 3/5/2012	NNW	0.33 / 1,735.30	34	414
89	ENVIROSTOR	OBSERV. SQUADRON OAA	ONTARIO ARMY AIRPT CA ***Estor/EPA ID | Cleanup Status:*** 80000874 | INACTIVE - NEEDS EVALUATION AS OF 7/1/2005	NNW	0.33 / 1,735.30	34	415
89	ENVIROSTOR	SBD ONTARIO ARMY AIRFIELD	ONTARIO CA 91761 ***Estor/EPA ID | Cleanup Status:*** 80000880 | INACTIVE - NEEDS EVALUATION AS OF 8/15/2018	NNW	0.33 / 1,735.30	34	416
89	FUDS	ONTARIO ARMY AIRFIELD	ONTARIO CA ***FUDS Property No:*** J09CA0531	NNW	0.33 / 1,735.30	34	417
90	DELISTED HAZ	HI PERFORMANCE GOLF CARS, INC.	1551 S VINEYARD ONTARIO CA 91761	SW	0.34 / 1,768.82	-22	417
91	DELISTED HAZ	LEABO FOODS DISTRIBUTION INC	1975 E LOCUST ST STE B ONTARIO CA 91761	SSW	0.34 / 1,789.37	-29	417
92	PFAS GW		CA	ESE	0.36 / 1,908.54	-15	417
93	LUST	SMITHFORD PRODUCTS COMPANY	1401 S BAKER AVE ONTARIO CA 91761	WSW	0.40 / 2,107.99	-11	425

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Global ID	Status	Status Date:*** T0607100041 | COMPLETED - CASE CLOSED | 6/12/1987			
94	DELISTED HAZ	JET SYSTEMS INTERNATIONAL INC.	2161 E AVION AVE HANGAR #2 ONTARIO CA 91761	W	0.44 / 2,303.70	14	427
95	DELISTED HAZ	Rapid Constrution and Paintng	1505 S BAKER AVE ONTARIO CA 91761	WSW	0.45 / 2,400.63	-19	427
96	PFAS	Ontario International Airport	2500 E Airport Dr Ontario CA 91761	NE	0.48 / 2,523.13	33	427
97	ENVIROSTOR	LOCKHEED MARTIN AIRCRAFT(FORMER)	1800 E. AIRPORT DRIVE ONTARIO CA 91761	NW	0.57 / 3,026.90	49	428
			***Estor/EPA ID	Cleanup Status:*** 36370030 | REFER: 1248 LOCAL AGENCY AS OF 3/8/2001			
98	ENVIROSTOR	LOCKHEED AIRCRAFT SERVICE CO.	1800 E. AIRPORT DRIVE ONTARIO CA 91761	NW	0.64 / 3,401.61	56	428
			***Estor/EPA ID	Cleanup Status:*** 71002210 | REFER: OTHER AGENCY AS OF			
99	ENVIROSTOR	HILLERICH & BRADSBY CO., INC.	1800 S. ARCHIBALD AVENUE ONTARIO CA 91761	SE	0.66 / 3,489.08	-49	429
			***Estor/EPA ID	Cleanup Status:*** 71003133 | NO ACTION REQUIRED AS OF 2/14/2001			
100	ENVIROSTOR	ONTARIO A.N.G. TRAINING SITE	ONTARIO CA	W	0.92 / 4,838.57	4	430
			***Estor/EPA ID	Cleanup Status:*** 80000415 | INACTIVE - NEEDS EVALUATION AS OF 7/1/2005			

Executive Summary: Summary by Data Source

Standard

Federal

SEMS ARCHIVE - SEMS List 8R Archive Sites

A search of the SEMS ARCHIVE database, dated May 25, 2021 has found that there are 1 SEMS ARCHIVE site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GENERAL ELECTRIC AVIATION SERVS OPS	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	16
	***EPA ID**: CAD009542721*			

CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS

A search of the CERCLIS database, dated Oct 25, 2013 has found that there are 1 CERCLIS site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GENERAL ELECTRIC AVIATION SERVS OPS	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	16
	***Site EPA ID**: CAD009542721*			

CERCLIS NFRAP - CERCLIS - No Further Remedial Action Planned

A search of the CERCLIS NFRAP database, dated Oct 25, 2013 has found that there are 1 CERCLIS NFRAP site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GENERAL ELECTRIC AVIATION SERVS OPS	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	16
	***Site EPA ID**: CAD009542721*			

RCRA CORRACTS - RCRA CORRACTS-Corrective Action

A search of the RCRA CORRACTS database, dated Jun 14, 2021 has found that there are 1 RCRA CORRACTS site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GE ENGINE SERVICES INC.	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	16
	***EPA Handler ID**: CAD009542721*			

RCRA TSD - RCRA non-CORRACTS TSD Facilities

A search of the RCRA TSD database, dated Jun 14, 2021 has found that there are 5 RCRA TSD site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GE ENGINE SERVICES LLC W COAST OPS	2264 E AVION ST ONTARIO CA 91761 ***EPA Handler ID**: CAD981375124*	SSE	0.00 / 0.00	10
GE ENGINE SERVICES INC.	1923 E AVION ST ONTARIO CA 91761 ***EPA Handler ID**: CAD009542721*	W	0.06 / 305.26	16
PBY PLASTICS	2571 LINDSAY PRIVADO DR. ONTARIO CA 91761 ***EPA Handler ID**: CAC003008700*	ESE	0.13 / 693.77	45
WILBUR ELLIS	2275 EAST LOCUST CT ONTARIO CA 91761 ***EPA Handler ID**: CAC003013591*	S	0.27 / 1,404.61	87
ANGELES PRECISION ENGINEERING, INC.	2060 E. LOCUST ST. UNIT E ONTARIO CA 91761 ***EPA Handler ID**: CAL000445614*	SSW	0.32 / 1,691.34	88

RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Jun 14, 2021 has found that there are 4 RCRA LQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AIRCRAFT SERVICE INTERNATIONAL GROUP	1049 S. VINEYARD AVENUE ONTARIO CA 91761 ***EPA Handler ID**: CAL000238995*	W	0.11 / 565.85	32
RAYTHEON COMPANY	1120 S. VINEYARD AVE. ONTARIO CA 91761 ***EPA Handler ID**: CAR000294181*	W	0.11 / 588.73	37

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ONTARIO INTERNATIONAL AIRPORT	2132 E AVION ST ONTARIO CA 91761-0000 ***EPA Handler ID**: CAD981395122*	S	0.00 / 0.00	3
GE ENGINE SERVICES LLC W COAST OPS	2264 E AVION ST ONTARIO CA 91761 ***EPA Handler ID**: CAD981375124*	SSE	0.00 / 0.00	10

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Jun 14, 2021 has found that there are 9 RCRA SQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AMERICAN L A FRANCE WITH L A	1049 VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID**: CAR000071605*	WNW	0.05 / 267.05	**15**

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
USANG ONTARIO AIR NATIONAL GUARD STATION	1280 S TOWER DR ONTARIO CA 91761-7627 ***EPA Handler ID**: CA8572890137*	ESE	0.08 / 439.46	**24**
SUPERIOR METAL SHAPES	1471 VALENCIA AVE ONTARIO CA 91761 ***EPA Handler ID**: CAD982445280*	WSW	0.17 / 907.19	**60**
FRANK WAGNER AND SON	2041 ELM CT ONTARIO CA 91761 ***EPA Handler ID**: CAD983638644*	SSW	0.17 / 916.43	**61**
ARRAL INDUSTRIES INC	2101 CARRILLO PRIVADO ONTARIO CA 91761 ***EPA Handler ID**: CAD982361289*	S	0.19 / 976.89	**66**
MICRODYNE PLASTICS INC	2611 LINDSAY PRIVADO ONTARIO CA 91761 ***EPA Handler ID**: CAR000034231*	ESE	0.20 / 1,076.45	**73**
PUMPING SOLUTIONS	1400 A VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID**: CAR000091629*	WSW	0.20 / 1,079.21	**74**
MASTER FAB INC	1440 S VINEYARD ONTARIO CA 91761 ***EPA Handler ID**: CAR000080192*	WSW	0.21 / 1,117.71	**77**
METRIC MACHINING	1425 S VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID**: CAR000161240*	SW	0.22 / 1,184.32	**82**

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jun 14, 2021 has found that there are 31 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MENZIES AVIATION DBA AIRCRAFT SERVICE INTL GROUP INC	1049 S VINEYARD AVE SAN BERNARDINO CA 91761 ***EPA Handler ID**: CAL000432861*	W	0.11 / 565.85	**32**
AIRPORT TERMINAL SERVICES	1049 A S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 565.89	**33**

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***EPA Handler ID**: CAL000452105*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
JET SYSTEMS INTERNATIONAL INC	2161 E AVION AVE ONTARIO CA 91761-8067 ***EPA Handler ID**: CAL000326692*	SSE	0.00 / 0.00	7
JETT PRO	2161 E AVION AVE ONTARIO CA 91761-8067 ***EPA Handler ID**: CAL000333086*	SSE	0.00 / 0.00	7
GE ENGINE SERVICES INC.	1923 E AVION ST ONTARIO CA 91761 ***EPA Handler ID**: CAD009542721*	W	0.06 / 305.26	16
EXPRESSJET AIRLINES INC	2475 E AVION DRIVE ONTARIO CA 91761 ***EPA Handler ID**: CAR000183244*	ESE	0.07 / 360.02	21
FEDERAL AVIATION ADMINISTRATION	1250 TOWER DRIVE ONTARIO CA 91761 ***EPA Handler ID**: CAC003120717*	ESE	0.08 / 427.90	22
CERTIFIED AVIATION SERVICES LLC	1150 S VINEYARD AVE ONTARIO CA 91761-7753 ***EPA Handler ID**: CAL000317009*	W	0.11 / 590.59	38
CAS	1150 S. VINEYARD AVE. ONTARIO CA 91761 ***EPA Handler ID**: CAC002991600*	W	0.11 / 590.59	38
GUARDIAN AIR	1150 S VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID**: CAL000280214*	W	0.11 / 590.59	38
KEYSTONE AUTOMOTIVE INDUSTRIES INC	2530 LINDSEY PRIVADO DR STE C ONTARIO CA 91761-3460 ***EPA Handler ID**: CAL000332441*	ESE	0.12 / 612.08	40
PBY PLASTICS	2571 LINDSAY PRIVADO DR. ONTARIO CA 91761 ***EPA Handler ID**: CAC003008700*	ESE	0.13 / 693.77	45
PROMARKS VAC CORP	1915 E ACACIA ST ONTARIO CA 91761 ***EPA Handler ID**: CAL000425309*	WSW	0.14 / 729.52	47
PROMARKS INC	1915 E ACACIA ST ONTARIO CA 91761-7921 ***EPA Handler ID**: CAL000354717*	WSW	0.14 / 729.52	47

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CAPITAL STEEL PRODUCTS	1420 S BALBA AVE ONTARIO CA 91761 ***EPA Handler ID**: CAL000452346*	SW	0.14 / 748.73	50
Y & D RUBBER CO INC	1451 S CARLOS AVE ONTARIO CA 91761-7676 ***EPA Handler ID**: CAL000321142*	SSW	0.15 / 773.04	51
RELIABLE GRINDING	1441 S BALBOA AVE ONTARIO CA 91761 ***EPA Handler ID**: CAL000412464*	SW	0.15 / 818.12	55
TNG PROLOGIX	2590 LINDSEY PRIVADO DR ONTARIO CA 91761-3405 ***EPA Handler ID**: CAL000407044*	ESE	0.16 / 826.47	56
CINTAS CORPORATION NO 2	1460 S CARLOS AVE ONTARIO CA 91761 ***EPA Handler ID**: CAL000457372*	SSW	0.16 / 852.36	57
GARY CARLETON	1460 S CARLOS AVE ONTARIO CA 91761-7655 ***EPA Handler ID**: CAC003036955*	SSW	0.16 / 852.36	57
OTTO INSTRUMENT SERVICE INC	1441 VALENCIA PL ONTARIO CA 91761-0000 ***EPA Handler ID**: CAL000183288*	WSW	0.17 / 875.65	59
PUMPING SOLUTIONS INC	1400 S VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID**: CAL000374447*	WSW	0.17 / 921.64	63
AMERICAN NEWS COMPANY LLC	2590 E LINDSAY PRIVADO DR ONTARIO CA 91761 ***EPA Handler ID**: CAL000449031*	SE	0.18 / 950.80	64
SIGN INDUSTRIES INC	2101 CARRILLO PRIVADO ONTARIO CA 91761 ***EPA Handler ID**: CAL000317858*	S	0.19 / 976.89	66
BOMATIC INC	1841 E ACACIA ST ONTARIO CA 91761-0000 ***EPA Handler ID**: CAL000093525*	WSW	0.19 / 995.60	69
WATSON'S PROFILING CORP	1460 S BALBOA AVE ONTARIO CA 91761-7609 ***EPA Handler ID**: CAL000315044*	SW	0.19 / 998.94	70
TESLA, INC.	1980 ELM CT. ONTARIO CA 91761 ***EPA Handler ID**: CAC002986080*	SSW	0.20 / 1,071.95	72

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ALPHA SURPLUS INC	1980 E ELM ST ONTARIO CA 91761-7610 ***EPA Handler ID**: CAL000386346*	SSW	0.21 / 1,089.66	75
7 DAZE LLC	1425 S VINEYARD AVE ONTARIO CA 91761 ***EPA Handler ID**: CAL000451299*	SW	0.22 / 1,184.32	82
COMPU-METAL,INC	1480 S. VINEYARD AVE. ONTARIO CA 91761 ***EPA Handler ID**: CAC002974549*	WSW	0.23 / 1,222.04	83
CUMMINGS INDUSTRIES INC DBA NORTH AMERICAN CRANE COMPANY	2041 E LOCUST CT ONTARIO CA 91761-7618 ***EPA Handler ID**: CAL000396307*	SSW	0.24 / 1,274.97	86

ERNS - Emergency Response Notification System

A search of the ERNS database, dated Jul 26, 2021 has found that there are 3 ERNS site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	ENGINE MAINTENANCE CTR 1923 EAST AVION ST. ONTARIO CA 91761 ***NRC Report No**: 60091*	W	0.00 / 0.00	11
	ENGINE MAINTENANCE CTR 1923 EAST AVION ST. ONTARIO CA 91761 ***NRC Report No**: 73569*	W	0.00 / 0.00	11
	ENGINE MAINTENANCE CTR 1923 EAST AVION ST. ONTARIO CA 91761 ***NRC Report No**: 57579*	W	0.00 / 0.00	11

State

RESPONSE - State Response Sites

A search of the RESPONSE database, dated Jun 14, 2021 has found that there are 2 RESPONSE site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GE ENGINE SERVICES TEST CELL FACILITY (AKA GE AIRCRAFT)	2264 E. AVION PLACE ONTARIO CA 91761 ***Estor/EPA ID	Cleanup Status**: 36370024 | REFER: RWQCB AS OF 5/7/2019*	SE	0.06 / 329.51	18
ONTARIO AIR NATIONAL GUARD	2500 JURUPA STREET ONTARIO CA 91761 ***Estor/EPA ID	Cleanup Status**: 36970008 | CERTIFIED AS OF 9/11/2000*	ESE	0.11 / 554.90	31

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Jun 14, 2021 has found that there are 14 ENVIROSTOR site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
GE ENGINE SERVICES INC	1923 E. AVION PLACE ONTARIO CA 917610000	NNW	0.23 / 1,230.11	84
	***Estor/EPA ID	Cleanup Status**: 80001638	INACTIVE - NEEDS EVALUATION AS OF 3/20/2013*		
GE ENGINE SERVICES INC	ONTARIO INT'L AIRPORT ONTARIO CA 917610000	NNW	0.23 / 1,230.11	84
	***Estor/EPA ID	Cleanup Status**: CAD009542721 |*		
ONTARIO ARMY AIRFIELD	1923 E AVION DR ONTARIO CA 91761	NNW	0.33 / 1,735.30	89
	***Estor/EPA ID	Cleanup Status**: 80000416	NO FURTHER ACTION AS OF 3/5/2012*		
OBSERV. SQUADRON OAA	ONTARIO ARMY AIRPT CA	NNW	0.33 / 1,735.30	89
	***Estor/EPA ID	Cleanup Status**: 80000874	INACTIVE - NEEDS EVALUATION AS OF 7/1/2005*		
SBD ONTARIO ARMY AIRFIELD	ONTARIO CA 91761	NNW	0.33 / 1,735.30	89
	***Estor/EPA ID	Cleanup Status**: 80000880	INACTIVE - NEEDS EVALUATION AS OF 8/15/2018*		
LOCKHEED MARTIN AIRCRAFT (FORMER)	1800 E. AIRPORT DRIVE ONTARIO CA 91761	NW	0.57 / 3,026.90	97
	***Estor/EPA ID	Cleanup Status**: 36370030	REFER: 1248 LOCAL AGENCY AS OF 3/8/2001*		
LOCKHEED AIRCRAFT SERVICE CO.	1800 E. AIRPORT DRIVE ONTARIO CA 91761	NW	0.64 / 3,401.61	98
	***Estor/EPA ID	Cleanup Status**: 71002210	REFER: OTHER AGENCY AS OF*		
ONTARIO A.N.G. TRAINING SITE	ONTARIO CA	W	0.92 / 4,838.57	100
	***Estor/EPA ID	Cleanup Status**: 80000415	INACTIVE - NEEDS EVALUATION AS OF 7/1/2005*		

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GENERAL ELECTRIC, MAIN FACILITY	1923 E. AVION STREET ONTARIO CA 91761	WSW	0.00 / 0.00	12
	***Estor/EPA ID	Cleanup Status**: 71002298	INACTIVE - NEEDS EVALUATION AS OF*		
GE ENGINE SERVICES TEST CELL FACILITY (AKA GE AIRCRAFT)	2264 E. AVION PLACE ONTARIO CA 91761	SE	0.06 / 329.51	18
	***Estor/EPA ID	Cleanup Status**: 36370024	REFER: RWQCB AS OF 5/7/2019*		
GE ENGINE SERVICES, INC.	2264 E. AVION PLACE ONTARIO CA 91761	SE	0.06 / 338.14	19
	***Estor/EPA ID	Cleanup Status**: 71002752	INACTIVE - NEEDS EVALUATION AS OF*		
ONTARIO AIR NATIONAL GUARD	2500 JURUPA STREET ONTARIO CA 91761	ESE	0.11 / 554.90	31

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Estor/EPA ID** | **Cleanup Status**: 36970008 | CERTIFIED AS OF 9/11/2000*			
1425 S. VINEYARD AVENUE	1425 S. VINEYARD AVENUE ONTARIO CA 91761	SW	0.22 / 1,184.32	82
	***Estor/EPA ID** | **Cleanup Status**: 60002476 | ACTIVE AS OF 8/22/2018*			
HILLERICH & BRADSBY CO., INC.	1800 S. ARCHIBALD AVENUE ONTARIO CA 91761	SE	0.66 / 3,489.08	99
	***Estor/EPA ID** | **Cleanup Status**: 71003133 | NO ACTION REQUIRED AS OF 2/14/2001*			

HWP - EnviroStor Hazardous Waste Facilities

A search of the HWP database, dated Jun 14, 2021 has found that there are 1 HWP site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
GE ENGINE SERVICES INC	ONTARIO INT'L AIRPORT ONTARIO CA 917610000	NNW	0.23 / 1,230.11	84
	***Estor/EPA ID**: CAD009542721*			

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Jun 22, 2021 has found that there are 3 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FLUOR CORP. FLIGHT OPERATIONS	1150 VINEYARD AVE ONTARIO CA 91761	W	0.15 / 789.08	52
	***Global ID** | **Status** | **Status Date**: T0607100238 | COMPLETED - CASE CLOSED | 2/18/1992*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GE TEST CELL FACILITY	2264 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	10
	***Global ID** | **Status** | **Status Date**: T0607100233 | COMPLETED - CASE CLOSED | 3/1/2010*			
SMITHFORD PRODUCTS COMPANY	1401 S BAKER AVE ONTARIO CA 91761	WSW	0.40 / 2,107.99	93
	***Global ID** | **Status** | **Status Date**: T0607100041 | COMPLETED - CASE CLOSED | 6/12/1987*			

UST - Permitted Underground Storage Tank (UST) in GeoTracker

A search of the UST database, dated Jul 25, 2021 has found that there are 3 UST site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ONTARIO INTERNATIONAL AIRPORT	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	16
	***Facility ID**: FA0002014*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
FAA Air Traffic Control Tower (ONT)	1250 Tower Drive Ontaio CA 91761 ***Facility ID**: FA0003030*	ESE	0.08 / 427.90	22
GUARDIAN JET CENTER	1150 S VINEYARD AVE ONTARIO CA 91761 ***Facility ID**: FA0005034*	W	0.11 / 590.59	38

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 5 HHSS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FLUORS AIRPORT OPERATIONS	1150 SOUTH VINEYARD AVENUE ONTARIO CA 91761	W	0.11 / 585.13	36
FLUOR CORPORATION FLIGHT OPERA	1150 SOUTH VINEYARD AVENUE ONTARIO CA 91761	W	0.11 / 585.13	36

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MAINTENANCE DIVISION	2132 E. AVION ST. ONTARIO CA 91761	S	0.00 / 0.00	3
BEECHCRAFT WEST-ONTARIO	2161 EAST AVION ST. ONTARIO CA 91761	SSE	0.00 / 0.00	8
BOMATIC INC	1841 E. ACACIA STREET ONTARIO CA 91761	WSW	0.19 / 995.60	69

UST SWEEPS - Statewide Environmental Evaluation and Planning System

A search of the UST SWEEPS database, dated Oct 1, 1994 has found that there are 7 UST SWEEPS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ONTARIO AIRPORT MAINT YARD	2132 E AVION ST ONTARIO CA ***C C | Status**: A36-000-11145 | ACTIVE* ***Tank ID**: 000001, 000007, 000010, 000006, 000002, 000005, 000008, 000009, 000004, 000003*	S	0.00 / 0.00	3
BEECHCRAFT WEST-ONTARIO	2161 E AVION ST ONTARIO CA ***C C | Status**: A36-000-46263 | ACTIVE* ***Tank ID**: 000004, 000006, 000007, 000002, 000001, 000003, 000005*	SSE	0.00 / 0.00	7

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GENERAL ELECTRIC CO-AVIATION	1923 E AVION ST ONTARIO CA	W	0.06 / 305.26	16
	***C C	Status**: A36-000-186	ACTIVE* ***Tank ID**: 000004, 000015, 000006, 000014, 000009, 000005, 000013, 000001, 000010, 000016, 000002, 000007, 000008, 000011*		
GENERAL ELECTRIC CO.-AVIATION	1923 E AVION ST ONTARIO CA	W	0.06 / 305.26	16
	***C C	Status**: I36-000-186	INACTIVE* ***Tank ID**: 000012, 000003*		
FLOUR CORP-FLIGHT OPERATIONS	1150 S VINEYARD AVE ONTARIO CA	W	0.11 / 590.59	38
	***C C	Status**: A36-000-11637	ACTIVE* ***Tank ID**: 000001, 000002*		
ONTARIO ANG STATION	2500 ACACIA ST ONTARIO CA	WSW	0.14 / 714.33	46
	***C C	Status**: A36-000-7563	ACTIVE* ***Tank ID**: 000005, 000004, 000006, 000001, 000007, 000002, 000003*		
BOMATIC, INC.	1841 E ACACIA ST ONTARIO CA	WSW	0.19 / 995.60	69
	***C C	Status**: I36-000-2190	INACTIVE* ***Tank ID**: 000001*		

AST - Aboveground Storage Tanks

A search of the AST database, dated Aug 31, 2009 has found that there are 3 AST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
GUARDIAN JET CENTER	1150 S. VINEYARD AVE ONTARIO CA 91761	W	0.11 / 585.13	36

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
G E ENGINE SERVICES INC	2264 E. AVION ST ONTARIO CA 91761	ESE	0.01 / 68.69	14
METRIC MACHINING	1425 S. VINEYARD AVE ONTARIO CA 91761	SW	0.22 / 1,184.32	82

DELISTED TNK - Delisted Storage Tanks

A search of the DELISTED TNK database, dated Jul 25, 2021 has found that there are 4 DELISTED TNK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
OIA-L.A. WORLD AIRPORT	1150 S VINEYARD AVE ONTARIO CA 91761	WNW	0.11 / 577.20	34

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MERCURY AIR CENTER	2161 E AVION AVE ONTARIO CA 91761	SSE	0.00 / 0.00	4
FEDERAL EXPRESS CORP	1801 E AVION AVE ONTARIO CA 91761	W	0.06 / 316.02	17
FE-FAA ONT ATCT	1250 TOWER ST ONTARIO CA 91761	ESE	0.09 / 451.43	27

CERS TANK - California Environmental Reporting System (CERS) Tanks

A search of the CERS TANK database, dated Apr 29, 2021 has found that there are 3 CERS TANK site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ONTARIO INTERNATIONAL AIRPORT	1923 E AVION ST ONTARIO CA 91761 ***Site ID**: 398642*	W	0.06 / 305.26	16
FAA Air Traffic Control Tower (ONT)	1250 TOWER DRIVE ONTAIO CA 91761 ***Site ID**: 29330*	ESE	0.09 / 451.40	26
GUARDIAN JET CENTER	1150 S VINEYARD AVE ONTARIO CA 91761 ***Site ID**: 34706*	W	0.11 / 590.59	38

DELISTED CTNK - Delisted California Environmental Reporting System (CERS) Tanks

A search of the DELISTED CTNK database, dated Apr 29, 2021 has found that there are 1 DELISTED CTNK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Raytheon Company-Ontario	1120 S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 588.73	37

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 6 HIST TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BEECHCRAFT WEST-ONTARIO	2161 EAST AVION ST. ONTARIO CA	NNE	0.00 / 0.00	1
FLUOR CORPORATION FLIGHT OPERA	1150 SOUTH VINEYARD AVENUE ONTARIO CA	W	0.11 / 585.13	36
FLUOR'S AIRPORT OPERATIONS	1150 SOUTH VINEYARD AVENUE ONTARIO CA	W	0.11 / 585.13	36

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MAINTENANCE DIVISION	2132 E. AVION ST. ONTARIO CA	S	0.00 / 0.00	2
ONTARIO ANG STATION	2500 ACACIA STREET ONTARIO CA	WSW	0.14 / 714.33	46
BOMATIC, INC.	1841 E. ACACIA STREET ONTARIO CA	WSW	0.19 / 992.34	68

CALSITES - CALSITES Database

A search of the CALSITES database, dated May 1, 2004 has found that there are 2 CALSITES site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GE AIRCRAFT, ENGINE MAINTENANCE CTR	2264 AVION PLACE ONTARIO CA 91761	SE	0.06 / 329.51	18
ONTARIO AIR NATIONAL GUARD	2500 JURUPA STREET ONTARIO CA 91761	ESE	0.11 / 554.90	31

VCP - Voluntary Cleanup Program

A search of the VCP database, dated Jun 14, 2021 has found that there are 1 VCP site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
1425 S. VINEYARD AVENUE	1425 S. VINEYARD AVENUE ONTARIO CA 91761	SW	0.22 / 1,184.32	82

***Estor/EPA ID | Cleanup Status**: 60002476 | ACTIVE AS OF 8/22/2018*

CLEANUP SITES - GeoTracker Cleanup Program Sites

A search of the CLEANUP SITES database, dated Jun 22, 2021 has found that there are 6 CLEANUP SITES site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GENERAL ELECTRIC CO - JET ENGINE TEST CELL FACILITY	2264 E. AVION STREET ONTARIO CA 91761	SSE	0.00 / 0.00	10
	Status* | *Site Facility Type: *OPEN - VERIFICATION MONITORING* | *CLEANUP PROGRAM SITE*			
Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force) - SI	WP 2500 Jurupa St. Ontario CA 91761	ESE	0.11 / 554.90	31
	Status* | *Site Facility Type: *Completed - Case Closed* | *Military Cleanup Site*			
Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force) -	32055 2500 Jurupa St. Ontario CA 91761	ESE	0.11 / 554.90	31
	Status* | *Site Facility Type: *Completed - Case Closed* | *Military Cleanup Site*			
Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force)	2500 Jurupa St. Ontario CA 91761	ESE	0.11 / 554.90	31
	Status* | *Site Facility Type: *Completed - Case Closed* | *Military Cleanup Site*			
Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force) -	80536 2500 Jurupa St. Ontario CA 91761	ESE	0.11 / 554.90	31
	Status* | *Site Facility Type: *Completed - Case Closed* | *Military Cleanup Site*			
Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force) -	BULDG 2500 Jurupa St. Ontario CA 91761	ESE	0.11 / 554.90	31
	Status* | *Site Facility Type: *Completed - Case Closed* | *Military Cleanup Site*			

County

SANBERN CUPA - San Bernardino County - CUPA List

A search of the SANBERN CUPA database, dated May 28, 2021 has found that there are 56 SANBERN CUPA site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
LSG SKY CHEFS	1902 E AVION AVE ONTARIO CA 91761	W	0.10 / 533.99	28
ONTARIO AIRCRAFT SERVICE, INC.	1049 S VINEYARD ONTARIO CA 91761	W	0.11 / 565.85	32
ASIG ONT	1049 S Vineyard Ave Ontario CA 91761	W	0.11 / 565.85	32
AIRPORT TERMINAL SERVICES	1049A S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 565.89	33

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
RAYTHEON COMPANY - ONTARIO	1120 S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 588.73	37

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
JETTPRO LINE MAINTENANCE-ATLANTIC	2161 E AVION STHangar 1 ONTARIO CA 91761	SSE	0.00 / 0.00	6
JET SYSTEMS INTERNATIONAL INC.	2161 E AVION AVE HNGR 2 Ontario CA 91761	SSE	0.00 / 0.00	7
AMERIFLIGHT, LLC	2161 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	7
MERCURY AIR ATLANTIC AVIATION	2161 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	7
JETTPRO LINE MAINTENANCE-UNITED	2161 E AVION ONTARIO CA 91761	SSE	0.00 / 0.00	7
CERTIFIED AVIATION SVS MERCURY AIR	2161 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	7
ONTARIO AIRCRAFT OPERATIONS	2161 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	7
GE ENGINE SERVICES LLC	2264 E AVION ST ONTARIO CA 91710	SSE	0.00 / 0.00	10
G E ENGINE SERVICES INC	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	16
ONTARIO INTERNATIONAL AIRPORT	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	16
EXPRESSJET AIRLINES	2475 E AVION ST ONTARIO CA 91761	ESE	0.07 / 360.02	21

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
HI QUALITY INT'L INC	2530 E LINDSAY PRIVADO A ONTARIO CA 91761	SE	0.08 / 443.65	25
KEYSTONE AUTOMOTIVE IND INC	2530 E LINDSAY PRIVADO DR STEC ONTARIO CA 91761	SE	0.08 / 443.65	25
FAA Air Traffic Control Tower (ONT)	1250 TOWER DR ONTARIO CA 91761	ESE	0.09 / 451.40	26
THE FOLAND GROUP	1500 S HELLMAN AVE ONTARIO CA 91761	SSE	0.10 / 534.64	29
GUARDIAN JET CENTER	1150 S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 590.59	38
CERTIFIED AVIATION SVCS GUARDIAN	1150 S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 590.59	38
Jet Zone	1150 S Vineyard Ave Ontario CA 91761	W	0.11 / 590.59	38
AMERICAN AQUATICS INC	1420 S CARLOS AVE ONTARIO CA 91761	SW	0.12 / 617.14	42
LANIC ENGINEERING, INC	2571 LINDSAY PRIVADO ONTARIO CA 91762	ESE	0.13 / 690.26	44
FUTURE MACHINE PROD INC	2571 LINDSAY PRIVADO ONTARIO CA 91761	ESE	0.13 / 690.26	44
Promarksvac Corp.	1915 E Acacia St Ontario CA 91761	WSW	0.14 / 729.52	47
TOTAL FILTRATION SERVICES	1421 S BALBOA AVE ONTARIO CA 91761	SW	0.14 / 743.77	48
KRP TOPMASTER	1440 S CARLOS AVE ONTARIO CA 91761	SSW	0.14 / 746.64	49

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CAPITOL STEEL PRODUCTS	1420 S BALBOA AVE ONTARIO CA 91761	SW	0.14 / 748.73	50
Y&D RUBBER CO INC	1451 S CARLOS ST ONTARIO CA 91761	SSW	0.15 / 797.97	53
ACCELERATE 360	2590 E LINDSAY PRIVADO ONTARIO CA 91761	ESE	0.15 / 816.97	54
RELIABLE GRINDING	1441 S Balboa Ave Ontario CA 91761	SW	0.15 / 818.12	55
CINTAS	1460 S CARLOS AVE ONTARIO CA 91761	SSW	0.16 / 852.36	57
TOSHIBA MACHINE CO., AMERICA	1440 S BALBOA AVE ONTARIO CA 91761	SW	0.16 / 854.80	58
OTTO INSTRUMENT SERVICE, INC.	1441 VALENCIA PL ONTARIO CA 91761	WSW	0.17 / 875.65	59
HENDERSON MFG COMPANY INC	2041 ELM CT ONTARIO CA 91761	SSW	0.17 / 916.43	61
WAGNER DIE SUPPLY	2041 ELM CT ONTARIO CA 91761	SSW	0.17 / 916.43	61
VIVO POOLS	1400 S VINEYARD AVE A ONTARIO CA 91761	WSW	0.17 / 919.88	62
CORSON BUILT INC	1480 S CARLOS AVE ONTARIO CA 91761	SSW	0.18 / 971.43	65
EXECUTIVE SAFE & SECURITY CORP	1480 S CARLOS AVE ONTARIO CA 91761	SSW	0.18 / 971.43	65
ARRAL INDUSTRIES INC	2101 CARRILLO PRIVADO ST ONTARIO CA 91761	S	0.19 / 976.89	66

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SIGN INDUSTIRES INC	2101 CARRILLO PRIVADO ONTARIO CA 91761	S	0.19 / 976.89	66
BOMATIC INC	1841 E ACACIA ST ONTARIO CA 91761	WSW	0.19 / 995.60	69
WATSON'S PROFILING CORP	1460 S BALBOA AVE ONTARIO CA 91761	SW	0.19 / 998.94	70
ICG COMMUNICATIONS	1471 VALENCIA PL ONTARIO CA 91761	SW	0.20 / 1,029.68	71
Alpha Surplus, Inc	1980 E Elm St Ontario CA 91761	SSW	0.21 / 1,089.66	75
MASTER FAB INC	1440 S VINEYARD AVE ONTARIO CA 91761	WSW	0.21 / 1,108.13	76
SOUP BASES LOADED, INC.	1480 S BALBOA AVE ONTARIO CA 91761	SW	0.21 / 1,118.76	78
HARDWARE SPECIALTIES	2041 LOCUST CT ONTARIO CA 91761	S	0.21 / 1,132.26	79
AFFILIATED STEEL & TUBE	2041 LOCUST CT ONTARIO CA 91761	S	0.21 / 1,132.26	79
TOSHIBA MACHINE CO, AMERI	1481 S BALBOA AVE ONTARIO CA 91761	SW	0.22 / 1,149.55	80
MONARC INDUSTRIES	1420 S VINEYARD AVE ONTARIO CA 91761	WSW	0.22 / 1,158.49	81
METRIC MACHINING	1425 S VINEYARD AVE ONTARIO CA 91761	SW	0.22 / 1,184.32	82
ALLIED HYDRAULICS	1490 S VINEYARD AVE STE A & B ONTARIO CA 91761	WSW	0.24 / 1,269.12	85

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Cummings Industries Inc DBA North American Crane Company	2041 E Locust Ct Ontario CA 91761	SSW	0.24 / 1,274.97	86

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Nov 2, 2020 has found that there are 7 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CITY OF LOS ANGELES LA WORLD AIRPORTS	2132 E AVION ST ONTARIO CA 917610000 ***Registry ID**: 110002692649*	S	0.00 / 0.00	3
ONTARIO INTERNATIONAL AIRPORT	2132 E AVION ST ONTARIO CA 91761 ***Registry ID**: 110065028516*	S	0.00 / 0.00	3
AMERIFLIGHTNA LLC	2161 E AVION ST ONTARIO CA 91761 ***Registry ID**: 110065255306*	SSE	0.00 / 0.00	7
JETTPRO LINE MAINTENANCE-ATLANTIC	2161 E AVION ST HANGAR 1 ONTARIO CA 91761 ***Registry ID**: 110065395209*	SSE	0.00 / 0.00	8
LOCKHEED AIR TERMINALNA INC.	AVION BLVD ONTARIO CA 91761 ***Registry ID**: 110065220273*	SSE	0.00 / 0.00	13
GE ENGINE SERVICES LLC W COAST OPS	2264 E AVION ST ONTARIO CA 91761 ***Registry ID**: 110070752344*	ESE	0.01 / 68.69	14
GE TEST CELL FACILITY	2264 E AVION ST ONTARIO CA 91761 ***Registry ID**: 110066490381*	ESE	0.01 / 68.69	14

HMIRS - Hazardous Materials Information Reporting System

A search of the HMIRS database, dated Sep 1, 2020 has found that there are 4 HMIRS site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	1801 AVION STREET ONTARIO CA	W	0.10 / 551.58	30

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	1801 AVION STREET ONTARIO CA	W	0.10 / 551.58	30

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	VINYARD & MISSION ONTARIO CA	WSW	0.12 / 607.66	39
	VINYARD & MISSION ONTARIO CA	WSW	0.12 / 607.66	39

FUDS - Formerly Used Defense Sites

A search of the FUDS database, dated May 26, 2021 has found that there are 2 FUDS site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ONTARIO ARMY AIRFIELD	ONTARIO CA ***FUDS Property No**: J09CA0531*	NNW	0.33 / 1,735.30	89

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ONTARIO A.N.G. TRAINING SITE	ONTARIO CA ***FUDS Property No**: J09CA0522*	E	0.00 / 0.00	9

State

DRYCLEANERS - Dry Cleaning Facilities

A search of the DRYCLEANERS database, dated Feb 22, 2021 has found that there are 1 DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
UST DRY UTILITIES INC	2001 ELM CT ONTARIO CA 91761	SSW	0.19 / 979.38	67

PFAS - Per- and Polyfluoroalkyl Substances (PFAS)

A search of the PFAS database, dated Jun 22, 2021 has found that there are 2 PFAS site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Ontario International Airport	2500 E Airport Dr Ontario CA 91761	NE	0.48 / 2,523.13	96

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ONTARIO INTERNATIONAL AIRPORT	1923 E Avion St Ontario CA	W	0.06 / 305.26	16
	Status* | *Site Facility Type: *Open - Site Assessment* | *Project*			

PFAS GW - PFOA/PFOS Groundwater

A search of the PFAS GW database, dated Oct 22, 2020 has found that there are 1 PFAS GW site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	CA	ESE	0.36 / 1,908.54	92

CHMIRS - California Hazardous Material Incident Report System (CHMIRS)

A search of the CHMIRS database, dated Jan 21, 2021 has found that there are 2 CHMIRS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Ontario International Airport Authority	2132 East Avion Street Ontario CA 91761	S	0.00 / 0.00	2
	Control No* | *Notified Date: *17-7896* |			
Mercury Air Center	2161 East Avion St., Ontario Airport Ontario CA 91761	SSE	0.00 / 0.00	8
	Control No* | *Notified Date: *5/29/200101:38:05 PM*			

HAZNET - Hazardous Waste Manifest Data

A search of the HAZNET database, dated Oct 24, 2016 has found that there are 8 HAZNET site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CITY OF LA - LA WORLD AIRPORTS	2132 E AVION ST ONTARIO CA 917610000	S	0.00 / 0.00	3
RAMELLI JANITORIAL SVCS.	2132 E AVION ST ONTARIO CA 917610000	S	0.00 / 0.00	3
CITY OF ONTARIO (DEPT OF AIRPORTS)	2132 AVION ONTARIO CA 917610000	S	0.00 / 0.00	5

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CERTIFIED AVIATION SERVICES INC	2161 E AVION ST ONTARIO CA 916710000	SSE	0.00 / 0.00	7
BEECHCRAFT WEST	2161 E AVION ST ONTARIO CA 917610000	SSE	0.00 / 0.00	7
BEECHCRAFT WEST	2161 E AVION ST ONTARIO CA 917610000	SSE	0.00 / 0.00	7
SO CALIFORNIA EDISON/ONTARIO AIRCRAFT	2161 E AVION ST ONTARIO CA 917610000	SSE	0.00 / 0.00	7
BEATRICE/HUNT-WESSON	2161 E AVION ST ONTARIO CA 917610000	SSE	0.00 / 0.00	7

HIST MANIFEST - Historical Hazardous Waste Manifest Data

A search of the HIST MANIFEST database, dated Dec 31, 1992 has found that there are 4 HIST MANIFEST site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	2132 E AVION ST ONTARIO CA 917610000	S	0.00 / 0.00	3
	2132 AVION ONTARIO CA 917610000	S	0.00 / 0.00	5
	2161 E AVION ST ONTARIO CA 917610000	SSE	0.00 / 0.00	7
	2161 E AVION ST ONTARIO CA 917610000	SSE	0.00 / 0.00	7

HIST CORTESE - Historical Cortese List

A search of the HIST CORTESE database, dated Nov 13, 2008 has found that there are 1 HIST CORTESE site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GE AIRCRAFT, ENGINE MAINTENANCE CTR	2264 AVION PLACE ONTARIO CA 91761	SE	0.06 / 329.51	18

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the CERS HAZ database, dated Feb 9, 2021 has found that there are 7 CERS HAZ site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Airport Terminal Services	1049A S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 565.89	33
Raytheon Company - Ontario	1120 S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 588.73	37

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
AMERIFLIGHT, LLC	2161 E AVION ST ONTARIO CA 91761	SSE	0.00 / 0.00	7
THE FOLAND GROUP	1500 S HELLMAN AVE ONTARIO CA 91761	SSE	0.10 / 534.64	29
Jet Zone	1150 S VINEYARD AVE ONTARIO CA 91761	W	0.11 / 590.59	38
KEYSTONE AUTOMOTIVE IND INC	2530 E LINDSAY PRIVADO DR STE C ONTARIO CA 91761	ESE	0.12 / 616.83	41
AMERICAN AQUATICS INC	1420 S CARLOS AVE ONTARIO CA 91761	SW	0.12 / 617.14	42

DELISTED HAZ - Delisted Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the DELISTED HAZ database, dated Nov 29, 2018 has found that there are 6 DELISTED HAZ site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
JET SYSTEMS INTERNATIONAL INC.	2161 E AVION AVE HANGAR #2 ONTARIO CA 91761	W	0.44 / 2,303.70	94

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
JETTPRO LINE MAINTENANCE-ATLANTIC	2161 E AVION ST HANGAR 1 ONTARIO CA 91761	SSE	0.00 / 0.00	8

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
THE FOLAND GROUP	1500 S HELLMAN AVE ONTARIO CA 91761	SSE	0.10 / 534.64	29
HI PERFORMANCE GOLF CARS, INC.	1551 S VINEYARD ONTARIO CA 91761	SW	0.34 / 1,768.82	90
LEABO FOODS DISTRIBUTION INC	1975 E LOCUST ST STE B ONTARIO CA 91761	SSW	0.34 / 1,789.37	91
Rapid Constrution and Paintng	1505 S BAKER AVE ONTARIO CA 91761	WSW	0.45 / 2,400.63	95

GEOTRACKER - Sites in GeoTracker

A search of the GEOTRACKER database, dated Jun 22, 2021 has found that there are 1 GEOTRACKER site(s) within approximately 0.12 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ONTARIO INTERNATIONAL AIRPORT	1923 E AVION ST ONTARIO CA 91761	W	0.06 / 305.26	16

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2019 has found that there are 13 EMISSIONS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ONTARIO AIRCRAFT SERV INC	1152 S VINEYARD ONTARIO CA 91761	W	0.11 / 585.02	35

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LA CITY, ONTARIO AIRPORT	2132 E AVION ST ONTARIO CA 91761	S	0.00 / 0.00	3
BEECH CRAFT WEST	2161 E AVION ST ONTARIO CA	SSE	0.00 / 0.00	7
GENERAL ELECTRIC CO	1923 E AVION STREET ONTARIO CA 91761	W	0.06 / 305.26	16

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GENERAL ELECTRIC COMPANY	2264 AVION PLACE ONTARIO CA 91761	SE	0.06 / 329.51	18
ONTARIO INT AIRPORT	1923 EAST AVION STREET ONTARIO CA 91761	W	0.07 / 349.75	20
ONTARIO INT. AIRPORT	1923 EAST AVION STREET ONTARIO CA 91761	W	0.07 / 349.75	20
KEYSTONE AUTOMOTIVE INDUSTRIES, INC.	2530 E LINDSAY PRIVADO SUITE C ONTARIO CA 91761	ESE	0.12 / 616.83	41
GE ENGINE SERVICES	2264 AVION DR ONTARIO CA 91761	W	0.12 / 653.32	43
GENERAL ELECTRIC COMPANY	2264 AVION DR ONTARIO CA 91761	W	0.12 / 653.32	43
SIGN INDUSTRIES INC	2101 CARRILLO PRIVADO ONTARIO CA 91761	S	0.19 / 976.89	66
GOE ENGINEERING	1425 S VINEYARD ONTARIO CA 91761	SW	0.22 / 1,184.32	82
GOE ENGINEERING CO INC	1425 S VINEYARD ONTARIO CA 91761	SW	0.22 / 1,184.32	82

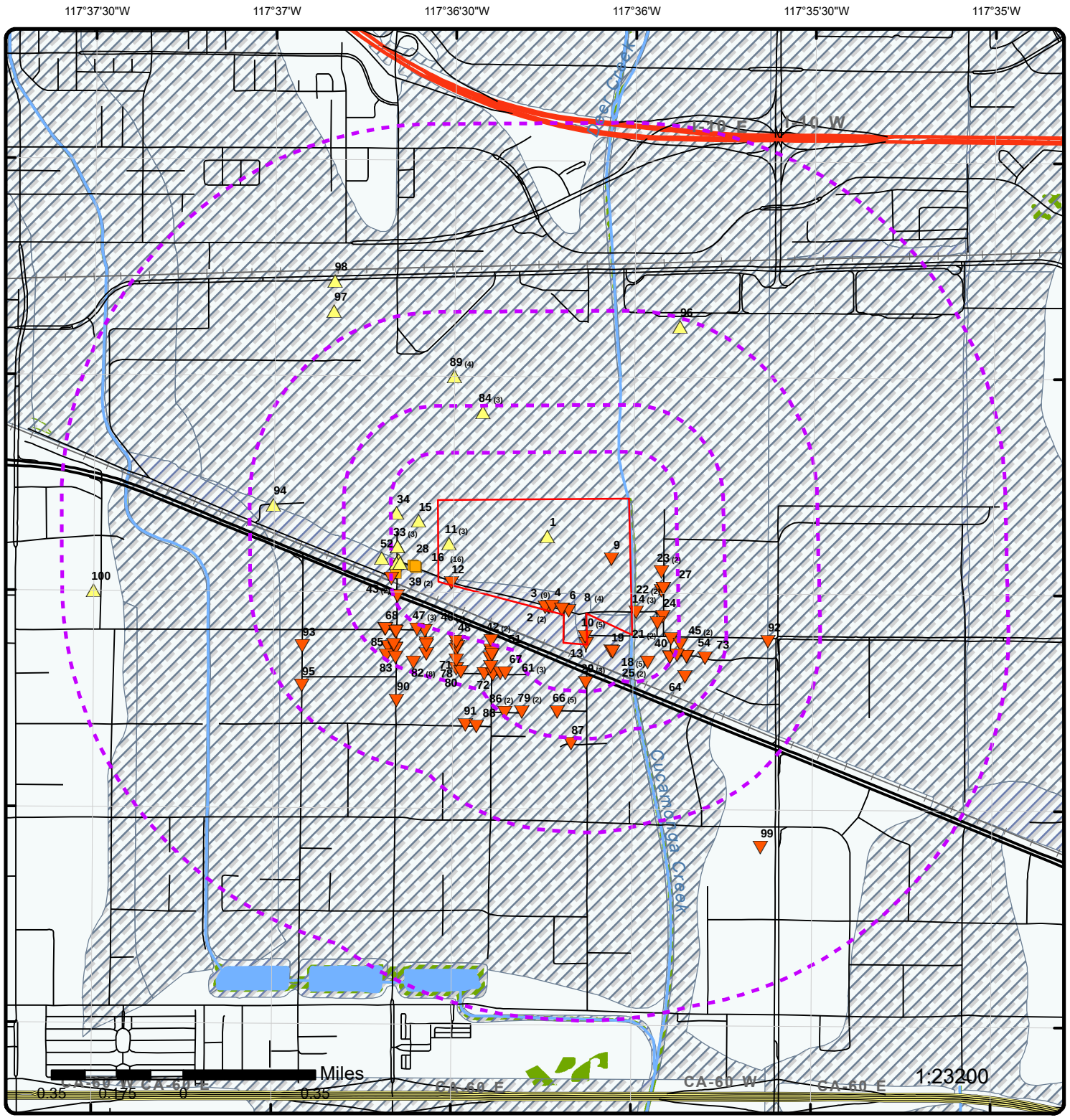
County

MED WST SANBERN - San Bernardino County - Medical Waste Facility List

A search of the MED WST SANBERN database, dated Dec 22, 2020 has found that there are 3 MED WST SANBERN site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
G E ENGINE SERVICES	1923 E AVION ST ONTARIO CA	W	0.06 / 305.26	16
ONTARIO FIRE DEPARTMENT STATION NO 10	1230 TOWER DR ONTARIO, CA 91761 CA	E	0.08 / 434.24	23

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ONTARIO FIRE STATION NO 10	1230 TOWER DR ONTARIO, CA 91761 CA	E	0.08 / 434.24	23



Map: 1.0 Mile Radius

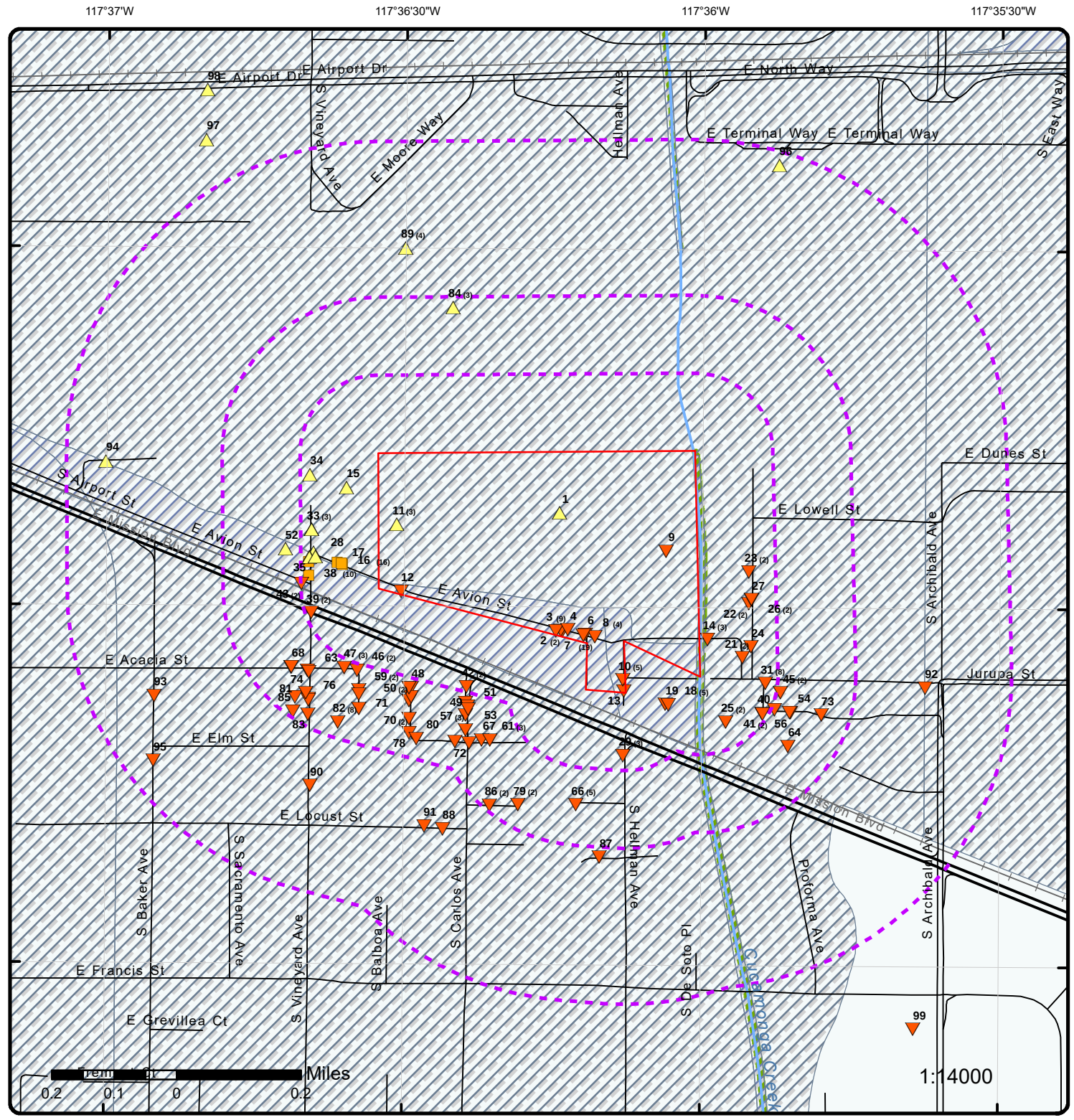
Order Number: 21083000634

Address: Ontario Airport, Ontario, CA

- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- Historic Fill
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)
- Plume

Source: © 2016 ESRI

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Map: 0.5 Mile Radius

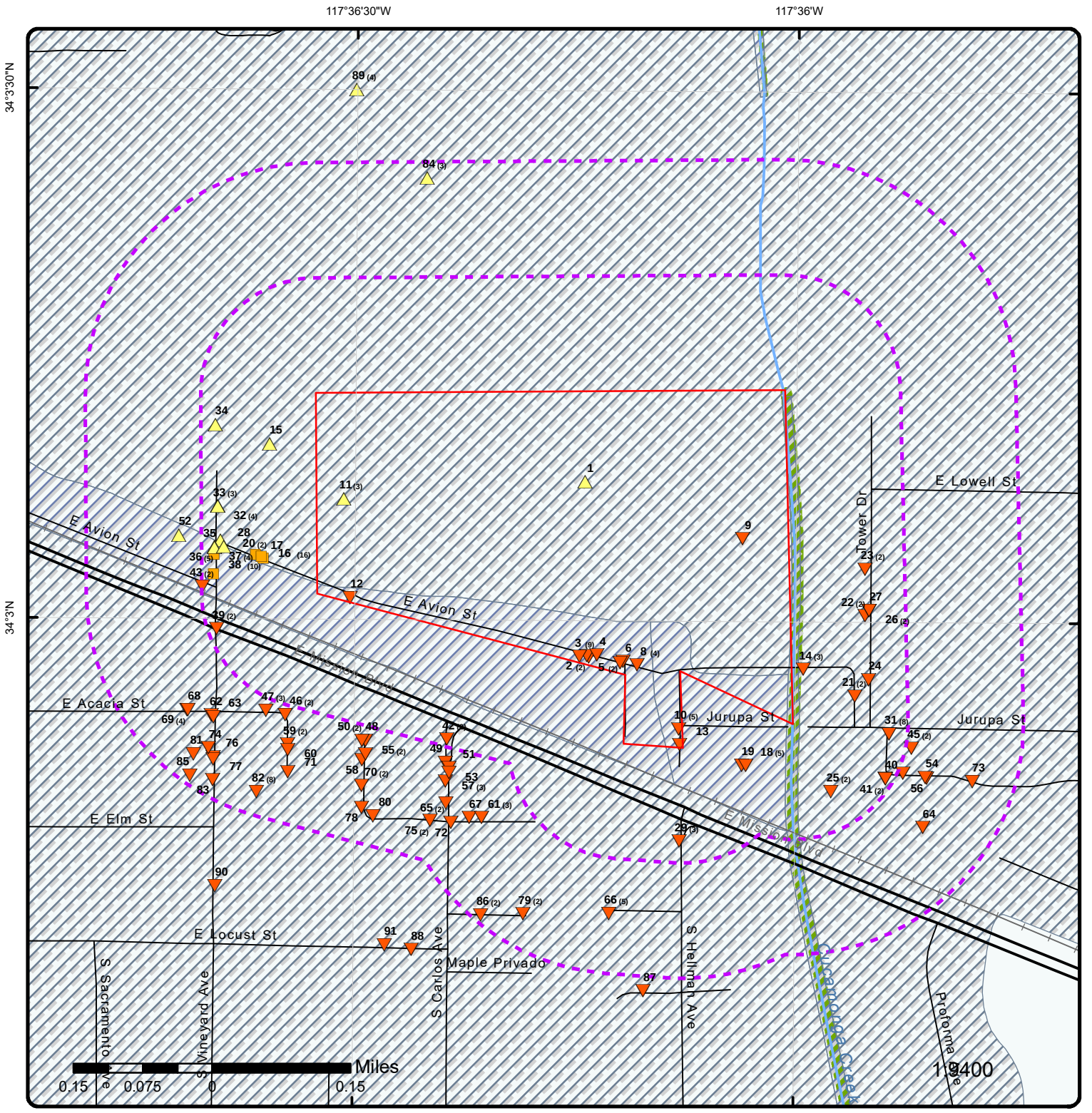
Order Number: 21083000634

Address: Ontario Airport, Ontario, CA

- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
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- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
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- 500 Year Flood Zone
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- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)
- Plume

Source: © 2016 ESRI

© ERIS Information Inc.



Map: 0.25 Mile Radius

Order Number: 21083000634

Address: Ontario Airport, Ontario, CA

ERIS

- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
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- 100 Year Flood Zone
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- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)
- Plume

Source: © 2016 ESRI

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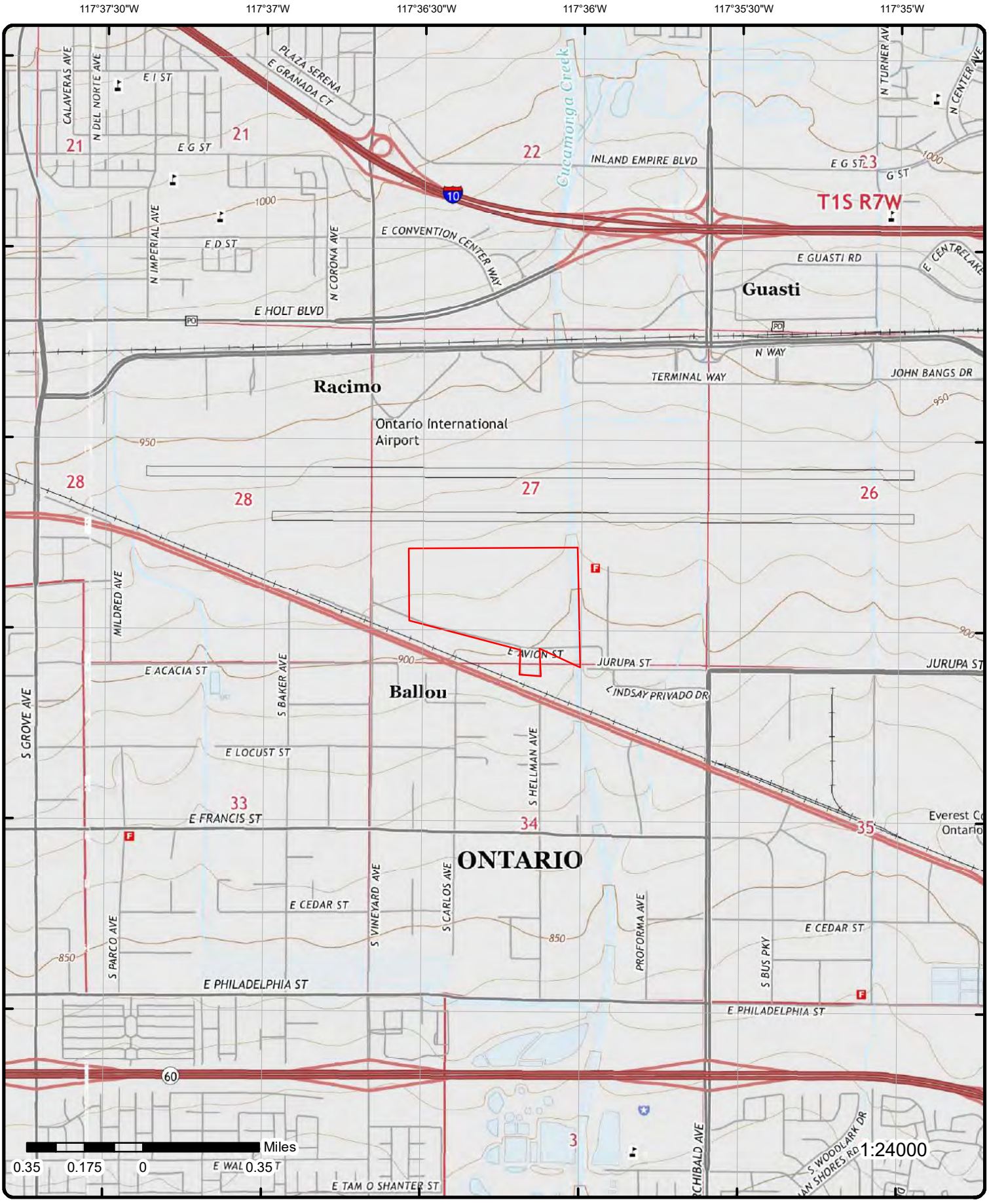
Aerial **Year: 2020**

Order Number: 21083000634

Address: Ontario Airport, Ontario, CA

Source: ESRI World Imagery

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Topographic Map

Year: 2015

Order Number: 21083000634

Address: Ontario Airport, CA

Quadrangle(s): Ontario, CA; Guasti, CA

Source: USGS Topographic Map

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Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	NNE	0.00 / 0.00	911.27 / 2	BEECHCRAFT WEST-ONTARIO 2161 EAST AVION ST. ONTARIO CA	HIST TANK

Owner Name: BEECHCRAFT WEST
Owner Street: 7240 HAYVENHURST AVE.
Owner City: VAN NUYS
Owner State: CA
Owner Zip: 91406
No of Containers: 7
County: SAN BERNARDINO
Facility State: CA
Facility Zip: 91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 2	S	0.00 / 0.00	902.19 / -7	MAINTENANCE DIVISION 2132 E. AVION ST. ONTARIO CA	HIST TANK

Owner Name: CITY OF LOS ANGELES, DEPARTMEN
Owner Street: 2132 E. AVION ST.
Owner City: ONTARIO
Owner State: CA
Owner Zip: 91761
No of Containers: 9
County: SAN BERNARDINO
Facility State: CA
Facility Zip: 91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	2 of 2	S	0.00 / 0.00	902.19 / -7	Ontario International Airport Authority 2132 East Avion Street Ontario CA 91761	CHMIRS

Control No: 17-7896
Notified Date Time:
County: San Bernardino County
URL: https://w3.calema.ca.gov/operational/malhaz.nsf/f1841a103c102734882563e200760c4a/3a3584011a35fe5d882581ca00619a7e?OpenDocument
Notified Date:
Year: 2017

Spill Report View

Amount 1:
Amount 2:
Amount 3:
Type: CHEMICAL
Water:
On Scene:
Other on Scene:
Other Notified:
Document Title: SPILL Report
Spill Site: Airport
Cause Desc for Other:
Person Notifying Cal OES:
Creation Date: 10/31/2017 10:46 AM
Received By:
Admin Agency:
Admin Agency 2:
Additional County:
Phone No:
Ext:
Pag Cell:

Hazardous Materials Spill Report

Control Cal OES: 17-7896
Control NRC:
Date : 10/31/2017
Incident Date: 10/30/2017
Time: 1046
Type 3:
Other 3:
Pipeline 3: No
Ves >= 300 Tons 3: No
Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Incident Time:	1200	**Phone:**	
Water Involved:	No	**Ext:**	
Drink Wtr Impact:	No	**Pag Cell:**	
Qty 1:	=	**PRS Name:**	
Measure 1:	Gal(s)	**PRS Phone:**	
Type 1:	CHEMICAL	**PRS Ext:**	
Pipeline 1:	No	**PRS Pag Cell:**	
Ves >= 300 Tons 1:	No	**Received By:**	
Qty 2:	=	**Header Unknown:**	SOUTH COAST AQMD
Amount 2:		**Incident Desc:**	
Measure 2:		**R R Crssing < 50 Ft:**	
Type 2:		**Uprr Rim :**	
Other 2:		**Notification Info:**	
Pipeline 2:	No	**Notification List:**	
Vessel >= 300 Tns 2:	No	**DOG Unit:**	
Qty 3:	=	**RWQCB Unit:**	8
Amount 3:		**Injuries:**	No
Measure 3:		**Fatality:**	No

Incident Location:	2132 East Avion Street
Reported Cause:	Unknown
Amount 1:	10-20
Substance 1:	Foam, firefighting
Substance 2:	
Substance 3:	
Waterway:	None
Contained:	Yes
Known Impact:	None
Other 1:	
Detail for Other:	
Site:	Airport
On Scene:	
Other on Scene:	
Other Notified:	San Bernardino County Fire Department
Evacuation:	No
Cleanup By:	On-site personnel
Agency:	Ontario International Airport Authority
PRS Agency:	
Admin Agency:	San Bernardino County Fire Department
Sec Agency:	
Additional County:	
Admin Agency 2:	
Description:	An employee discovered several cracked 5 gallon buckets of firefighting foam. The cause of the damage was unknown. The release was contained to a concrete slab. On-site personnel are performing a cleanup.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of 9	S	0.00 / 0.00	902.41 / -7	ONTARIO INTERNATIONAL AIRPORT 2132 E AVION ST ONTARIO CA 91761-0000	RCRA LQG

EPA Handler ID:	CAD981395122
Gen Status Universe:	Large Quantity Generator
Contact Name:	CHRIS C WALLER
Contact Address:	2132 , E AVION ST , , ONTARIO , CA, 91761-0000 , US
Contact Phone No and Ext:	909-544-5169
Contact Email:	CHRIS.WALLER@ALTAENVIRON.COM
Contact Country:	US
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	Other
Receive Date:	20180214
Location Latitude:	34.049822
Location Longitude:	-117.60594

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19860409
Handler Name:	LA CITY OF DEPT OF AIRPORTS
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960901
Handler Name:	LA CITY OF DEPT OF AIRPORTS
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20040218
Handler Name:	ONTARIO INTERNATIONAL AIRPORT
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator
Source Type:	Annual/Biennial Report

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D008
Waste Code Description:	LEAD
Hazardous Waste Code:	D039
Waste Code Description:	TETRACHLOROETHYLENE
Hazardous Waste Code:	F005
Waste Code Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT

SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20060223
Handler Name: ONTARIO INTERNATIONAL AIRPORT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20080226
Handler Name: ONTARIO INTERNATIONAL AIRPORT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20161103
Handler Name: ONTARIO INTERNATIONAL AIRPORT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20180214
Handler Name: ONTARIO INTERNATIONAL AIRPORT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	1923
Type:	Other	***Street 1:***	E AVION ST
Name:	ONTARIO INTERNATIONAL AIRPORT AUTHORITY	***Street 2:***	
Date Became Current:	20161101	***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	909-544-5300	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	91761

Owner/Operator Ind:	Current Operator	***Street No:***	1923
Type:	Other	***Street 1:***	E AVION ST
Name:	MARK THORPE	***Street 2:***	
Date Became Current:	20170801	***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	909-544-5300	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	91761

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Municipal	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Implementer	***Zip Code:***	99999

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Municipal	***Street 1:***	200 N. SPRING STREET
Name:	CITY OF LOS ANGELES	***Street 2:***	
Date Became Current:	19670517	***City:***	LOS ANGELES
Date Ended Current:		***State:***	CA
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	90012

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Municipal	***Street 1:***	NOT REQUIRED
Name:	CITY OF LOS ANGELES	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	LOS ANGELES WORLD AIRPORTS	***Street 2:***	
Date Became Current:	19670517	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	303
Type:	Other	***Street 1:***	E B STREET
Name:	ONTARIO INTERNATIONAL AIRPORT AUTHORITY	***Street 2:***	
Date Became Current:	20161101	***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	909-395-2400	***Country:***	US
Source Type:	Notification	***Zip Code:***	91764

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Municipal	***Street 1:***	
Name:	LOS ANGELES WORLD AIRPORTS	***Street 2:***	
Date Became Current:	19670517	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	
Name:	ONTARIO INTERNATIONAL AIRPORT AUTHORITY	***Street 2:***	
Date Became Current:	20161101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	

Historical Handler Details

Receive Dt:	20161103
Generator Code Description:	Large Quantity Generator
Handler Name:	ONTARIO INTERNATIONAL AIRPORT

Receive Dt:	20080226
Generator Code Description:	Large Quantity Generator
Handler Name:	ONTARIO INTERNATIONAL AIRPORT

Receive Dt:	20060223
Generator Code Description:	Large Quantity Generator
Handler Name:	ONTARIO INTERNATIONAL AIRPORT

Receive Dt:	20040218
Generator Code Description:	Large Quantity Generator
Handler Name:	ONTARIO INTERNATIONAL AIRPORT

Receive Dt:	19960901
Generator Code Description:	Large Quantity Generator
Handler Name:	LA CITY OF DEPT OF AIRPORTS

Receive Dt:	19860409
Generator Code Description:	Small Quantity Generator
Handler Name:	LA CITY OF DEPT OF AIRPORTS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	2 of 9	S	0.00 / 0.00	902.41 / -7	CITY OF LOS ANGELES LA WORLD AIRPORTS 2132 E AVION ST ONTARIO CA 917610000	FINDS/FRS

Registry ID:	110002692649
FIPS Code:	
HUC Code:	18070203
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-00
Update Date:	26-JAN-12
Interest Types:	STATE MASTER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	Yes
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	43
Census Block Code:	060710016002036
EPA Region Code:	09
County Name:	SAN BERNARDINO
US/Mexico Border Ind:	
Latitude:	34.049462
Longitude:	-117.604062
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	50
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002692649
Program Acronyms:	

HWTS-DATAMART:CAD981395122

3	3 of 9	S	0.00 / 0.00	902.41 / -7	**MAINTENANCE DIVISION** **2132 E. AVION ST.** **ONTARIO CA 91761**	HHSS

County:	San Bernardino
Pdf File Url:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029c88.pdf

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3	4 of 9	S	0.00 / 0.00	902.41 / -7	**RAMELLI JANITORIAL SVCS.** **2132 E AVION ST** **ONTARIO CA 917610000**	HAZNET

SIC Code:		**Mailing City:**	METAIRIE
NAICS Code:		**Mailing State:**	LA
EPA ID:	CAL000117898	**Mailing Zip:**	700011924
Create Date:	8/24/1994	**Region Code:**	4
Fac Act Ind:	No	**Owner Name:**	WWC-RAMELLI WINDOW CLEANING
Inact Date:	6/30/2000	**Owner Addr 1:**	PO BOX 708
County Code:	36	**Owner Addr 2:**	
County Name:	San Bernardino	**Owner City:**	LOS ANGELES
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	2329 SEVERN AVE	**Owner Zip:**	900530708
Mailing Addr 2:		**Owner Phone:**	5048349459
Owner Fax:			

Contact Information	
--	--
Contact Name:	ROBERT RAMELLI
Street Address 1:	INACTIVE PER VQ00 - BMI
Street Address 2:	
City:	METAIRIE
State:	LA
Zip:	700010000
Phone:	5048349459
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3	5 of 9	S	0.00 / 0.00	902.41 / -7	**CITY OF LA - LA WORLD AIRPORTS**	HAZNET

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2132 E AVION ST
ONTARIO CA 917610000

SIC Code:	4581,7342,7349	***Mailing City:***	LOS ANGELES
NAICS Code:	56172	***Mailing State:***	CA
EPA ID:	CAD981395122	***Mailing Zip:***	90045
Create Date:	6/29/1990	***Region Code:***	4
Fac Act Ind:	Yes	***Owner Name:***	CITY OF LA, DEPT OF AIRPORTS
Inact Date:		***Owner Addr 1:***	7301 WORLD AIRPORT WAY
County Code:	36	***Owner Addr 2:***	
County Name:	San Bernardino	***Owner City:***	LOS ANGELES
Mail Name:		***Owner State:***	CA
Mailing Addr 1:	7301 WORLD AIRPORT WAY	***Owner Zip:***	90045
Mailing Addr 2:		***Owner Phone:***	4246466500
Owner Fax:	4246469260		

Contact Information

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Contact Name:	ROBERT D. FREEMAN
Street Address 1:	7301 WORLD WAY WEST
Street Address 2:	
City:	LOS ANGELES
State:	CA
Zip:	90045
Phone:	4246466490
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Tanner Information

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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	123
State Waste Code Desc.:	Unspecified alkaline solution
Method Code:	H01
Method Description:	Transfer station
Tons:	0.365
Year:	2006
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	133
State Waste Code Desc.:	Aqueous solution with total organic residues 10 percent or more
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	0.0417
Year:	2015
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	1.302
Year:	2013

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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.252
Year:	2009
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.126
Year:	2010
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.42
Year:	2011
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.231
Year:	2012
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.147

Year:	2013
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.294
Year:	2014
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.063
Year:	2015
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.3108
Year:	1998
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.3612
Year:	1999
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.168
Year:	2000
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0756
Year:	2001
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.7644
Year:	1999
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	1.932
Year:	2000
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	1.323
Year:	2001
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	1.6506
Year:	2002
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927

TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	1.302
Year:	2003
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	1.4406
Year:	2004
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.735
Year:	2005
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	
TSD County Code:	
TSD County:	
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0714
Year:	1999
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	135
State Waste Code Desc.:	Unspecified aqueous solution
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	0.462
Year:	2008
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	NVT330010000
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	135

State Waste Code Desc.:	Unspecified aqueous solution
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0225
Year:	2015
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	135
State Waste Code Desc.:	Unspecified aqueous solution
Method Code:	H01
Method Description:	Transfer station
Tons:	0.21
Year:	2003
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	135
State Waste Code Desc.:	Unspecified aqueous solution
Method Code:	R01
Method Description:	Recycler
Tons:	2.31
Year:	2003
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.68805
Year:	2009
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.8757
Year:	2010
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H01
Method Description:	Transfer station

Tons:	0.3
Year:	2006
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD009007626
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	0.8
Year:	2007
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD009007626
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	1.2
Year:	2009
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD009007626
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	2.4
Year:	2010
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.175
Year:	2008
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD009007626
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	D80
Method Description:	Disposal, landfill

Tons:	2.5284
Year:	1994
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD009007626
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	3.3712
Year:	1995
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD009007626
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	12.642
Year:	1998
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD009007626
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	53.9392
Year:	2002
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	0.8428
Year:	1994
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080033681
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	0.0125
Year:	2002
--	--
Generator EPA ID:	CAD981395122

Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	AZC951206114
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	1749
Year:	1996
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	NVT330010000
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	33.712
Year:	2004
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.56
Year:	2001
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982411993
TSD County Code:	01
TSD County:	Alameda
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	
Method Description:	
Tons:	1.6346
Year:	2001
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	
Method Description:	
Tons:	0.075
Year:	1997
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19

TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.025
Year:	2006
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.056
Year:	2007
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0975
Year:	2008
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.045
Year:	2009
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.225
Year:	2010
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893

TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.02
Year:	2010
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.029
Year:	1995
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.058
Year:	1996
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.1575
Year:	1997
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.177
Year:	1998
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212

State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.216
Year:	1999
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.234
Year:	2000
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.176
Year:	2001
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.1565
Year:	2002
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.1635
Year:	2003
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.136

Year:	2004
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.1035
Year:	2005
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0375
Year:	2006
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	R01
Method Description:	Recycler
Tons:	0.4455
Year:	1994
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	R01
Method Description:	Recycler
Tons:	7.986
Year:	1996
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	KYD053348108
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	
Method Description:	
Tons:	0.0965
Year:	2001
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Generator EPA ID:	CAD981395122
Generator County Code:	36

Generator County:	San Bernardino
TSD EPA ID:	KYD053348108
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	
Method Description:	
Tons:	0.0375
Year:	2004
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	KYD053348108
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	213
State Waste Code Desc.:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Code:	***
Method Description:	Invalid disposal code
Tons:	0.1
Year:	2002
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	KYD053348108
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	213
State Waste Code Desc.:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Code:	R01
Method Description:	Recycler
Tons:	0.0667
Year:	1996
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD093459485
TSD County Code:	10
TSD County:	Fresno
State Waste Code:	213
State Waste Code Desc.:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Code:	
Method Description:	
Tons:	0.0166
Year:	1995
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	KYD053348108
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	213
State Waste Code Desc.:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Code:	
Method Description:	
Tons:	0.1165
Year:	2001
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	KYD053348108
TSD County Code:	99
TSD County:	Unknown

State Waste Code:	213
State Waste Code Desc.:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Code:	
Method Description:	
Tons:	0.075
Year:	2004
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.144
Year:	2007
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.54
Year:	2008
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.756
Year:	2013
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD093459485
TSD County Code:	10
TSD County:	Fresno
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0288
Year:	1995
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD093459485
TSD County Code:	10
TSD County:	Fresno
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H01
Method Description:	Transfer station

Tons:	0.1008
Year:	1996
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD093459485
TSD County Code:	10
TSD County:	Fresno
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0864
Year:	1997
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD093459485
TSD County Code:	10
TSD County:	Fresno
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0432
Year:	1998
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	0.396
Year:	1993
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	1.71
Year:	1997
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	3.168
Year:	1998
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Generator EPA ID:	CAD981395122

Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	1.44
Year:	1999
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	0.324
Year:	2000
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	2.34
Year:	2001
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	1.08
Year:	2002
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	0.666
Year:	2003
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19

TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	0.972
Year:	2004
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	0.826
Year:	2005
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	0.378
Year:	2006
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD099452708
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	0.418
Year:	2009
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	0.684
Year:	2015
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221

State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H101
Method Description:	SLUDGE TREATMENT AND/OR DEWATERING
Tons:	0.0175
Year:	2008
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	1.14
Year:	2008
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	1.634
Year:	2009
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	1.9
Year:	2010
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	4.845
Year:	2011
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221

State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	2.052
Year:	2012
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	2.907
Year:	2013
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	4.104
Year:	2014
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	1.938
Year:	2015
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	13.3
Year:	1995
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221

State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	4.066
Year:	1996
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	7.6
Year:	1997
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	4.56
Year:	1998
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	13.4064
Year:	1999
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	
Method Description:	
Tons:	1.349
Year:	2004
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	222
State Waste Code Desc.:	Oil/water separation sludge
Method Code:	R01
Method Description:	Recycler
Tons:	1.251

Year:	1998
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.04
Year:	2015
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.834
Year:	2011
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	AZ0000337360
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.24244
Year:	2002
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	232
State Waste Code Desc.:	Pesticides and other waste associated with pesticide production
Method Code:	H01
Method Description:	Transfer station
Tons:	0.075
Year:	2006
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	241
State Waste Code Desc.:	Tank bottom waste
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	2.30184
Year:	2010

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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	241
State Waste Code Desc.:	Tank bottom waste
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	2.92734
Year:	2011
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	241
State Waste Code Desc.:	Tank bottom waste
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	8.5485
Year:	2013
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	241
State Waste Code Desc.:	Tank bottom waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.3127
Year:	1998
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	241
State Waste Code Desc.:	Tank bottom waste
Method Code:	R01
Method Description:	Recycler
Tons:	1.0425
Year:	1999
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	291
State Waste Code Desc.:	Latex waste
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.5421
Year:	2013
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Generator EPA ID:	CAD981395122

Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	291
State Waste Code Desc.:	Latex waste
Method Code:	H129
Method Description:	OTHER TREATMENT
Tons:	0.0375
Year:	2012
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	291
State Waste Code Desc.:	Latex waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.4587
Year:	1994
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.085
Year:	2009
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.83
Year:	2010
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.07
Year:	2013
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Generator EPA ID:	CAD981395122
Generator County Code:	36

Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.19
Year:	2015
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	WAD991281767
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.04
Year:	2009
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	WAD991281767
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.01
Year:	2010
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080033681
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	1.425
Year:	2005
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	D99
Method Description:	Disposal, other
Tons:	0.15
Year:	2005
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino

TSD EPA ID: CAD008252405
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 331
State Waste Code Desc.: Off-specification, aged or surplus organics
Method Code: H01
Method Description: Transfer station
Tons: 0.05
Year: 2001
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Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAD008252405
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 331
State Waste Code Desc.: Off-specification, aged or surplus organics
Method Code: H01
Method Description: Transfer station
Tons: 0.075
Year: 2004
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Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAD008302903
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 331
State Waste Code Desc.: Off-specification, aged or surplus organics
Method Code: H01
Method Description: Transfer station
Tons: 0.0025
Year: 2004
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Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAD008252405
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 331
State Waste Code Desc.: Off-specification, aged or surplus organics
Method Code: H01
Method Description: Transfer station
Tons: 0.05
Year: 2005
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Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAD028409019
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 331
State Waste Code Desc.: Off-specification, aged or surplus organics
Method Code: H01
Method Description: Transfer station
Tons: 0.1
Year: 2006
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Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAT080022148
TSD County Code: 36
TSD County: San Bernardino
State Waste Code: 331

State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.01
Year:	1999
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	R01
Method Description:	Recycler
Tons:	0.04
Year:	1999
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	
TSD County Code:	
TSD County:	
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	
Method Description:	
Tons:	0.0375
Year:	2008
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	341
State Waste Code Desc.:	Organic liquids (nonsolvents) with halogens
Method Code:	H01
Method Description:	Transfer station
Tons:	0.249
Year:	1993
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	0.1292
Year:	2014
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS

RECOVERY ECT
Tons: 0.068
Year: 2015
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Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: NVT330010000
TSD County Code: 99
TSD County: Unknown
State Waste Code: 343
State Waste Code Desc.: Unspecified organic liquid mixture
Method Code: H141
Method Description: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons: 0.75
Year: 2015
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Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAT000613893
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 343
State Waste Code Desc.: Unspecified organic liquid mixture
Method Code: H01
Method Description: Transfer station
Tons: 0.3735
Year: 1994
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Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAT000613893
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 343
State Waste Code Desc.: Unspecified organic liquid mixture
Method Code: H01
Method Description: Transfer station
Tons: 0.448
Year: 1995
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Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAT000613893
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 343
State Waste Code Desc.: Unspecified organic liquid mixture
Method Code: H01
Method Description: Transfer station
Tons: 0.3735
Year: 1996
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Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAT000613893
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 343
State Waste Code Desc.: Unspecified organic liquid mixture
Method Code: H01
Method Description: Transfer station
Tons: 0.247
Year: 1997

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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H01
Method Description:	Transfer station
Tons:	0.833
Year:	2005
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H01
Method Description:	Transfer station
Tons:	0.5875
Year:	2006
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	R01
Method Description:	Recycler
Tons:	0.22
Year:	1998
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080033681
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	R01
Method Description:	Recycler
Tons:	0.102
Year:	2005
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	R01
Method Description:	Recycler
Tons:	2.3
Year:	2006
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino

TSD EPA ID:	CAT080033681
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0.918
Year:	2005
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	
Method Description:	
Tons:	0.077
Year:	1999
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	8.428
Year:	2007
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	8.428
Year:	2008
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	8.428
Year:	2009
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019

TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.6
Year:	2008
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0225
Year:	2009
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.01
Year:	2010
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.075
Year:	2008
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	5.8996
Year:	2012
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino

TSD EPA ID:	CAD980675276
TSD County Code:	15
TSD County:	Kern
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	30.3408
Year:	2005
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD980675276
TSD County Code:	15
TSD County:	Kern
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	37.926
Year:	2006
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	13.4848
Year:	1993
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	16.856
Year:	1995
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	8.428
Year:	1996
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	352

State Waste Code Desc.:	Other organic solids
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	19.3844
Year:	1997
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	30.3408
Year:	1998
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	9.2708
Year:	1999
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	9.2708
Year:	2000
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	19.3844
Year:	2001
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Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	10.1136

Year: 2002
-- --
Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAT000646117
TSD County Code: 16
TSD County: Kings
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code: D80
Method Description: Disposal, landfill
Tons: 16.0132
Year: 2003
-- --
Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAT000646117
TSD County Code: 16
TSD County: Kings
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code: D80
Method Description: Disposal, landfill
Tons: 12.642
Year: 2004
-- --
Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAT000646117
TSD County Code: 16
TSD County: Kings
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code: D80
Method Description: Disposal, landfill
Tons: 14.3276
Year: 2005
-- --
Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAT000646117
TSD County Code: 16
TSD County: Kings
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code: D80
Method Description: Disposal, landfill
Tons: 28.6552
Year: 2006
-- --
Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAD028409019
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code: H01
Method Description: Transfer station
Tons: 0.05
Year: 2002
-- --
Generator EPA ID: CAD981395122
Generator County Code: 36

Generator County: San Bernardino
TSD EPA ID: CAD028409019
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code: H01
Method Description: Transfer station
Tons: 0.11
Year: 2006
-- --
Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAT000646117
TSD County Code: 16
TSD County: Kings
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code: T01
Method Description: Treatment, tank
Tons: 4.214
Year: 2004
-- --
Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAT000646117
TSD County Code: 16
TSD County: Kings
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code:
Method Description:
Tons: 8.428
Year: 1994
-- --
Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: NVT330010000
TSD County Code: 99
TSD County: Unknown
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code:
Method Description:
Tons: 2
Year: 1995
-- --
Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: KYD053348108
TSD County Code: 99
TSD County: Unknown
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code:
Method Description:
Tons: 0.15
Year: 2004
-- --
Generator EPA ID: CAD981395122
Generator County Code: 36
Generator County: San Bernardino
TSD EPA ID: CAD008364432
TSD County Code: 19
TSD County: Los Angeles

State Waste Code:	461
State Waste Code Desc.:	Paint sludge
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.4587
Year:	2008
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	491
State Waste Code Desc.:	Unspecified sludge waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	9.174
Year:	2006
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	491
State Waste Code Desc.:	Unspecified sludge waste
Method Code:	H01
Method Description:	Transfer station
Tons:	6.255
Year:	2001
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	491
State Waste Code Desc.:	Unspecified sludge waste
Method Code:	H01
Method Description:	Transfer station
Tons:	6.672
Year:	2002
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	491
State Waste Code Desc.:	Unspecified sludge waste
Method Code:	H01
Method Description:	Transfer station
Tons:	23.352
Year:	2003
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	491
State Waste Code Desc.:	Unspecified sludge waste
Method Code:	H01

Method Description:	Transfer station
Tons:	6.255
Year:	2004
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	491
State Waste Code Desc.:	Unspecified sludge waste
Method Code:	R01
Method Description:	Recycler
Tons:	12.093
Year:	2005
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	491
State Waste Code Desc.:	Unspecified sludge waste
Method Code:	R01
Method Description:	Recycler
Tons:	5.73375
Year:	2006
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	512
State Waste Code Desc.:	Other empty containers 30 gallons or more
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	5.8996
Year:	1996
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000646117
TSD County Code:	16
TSD County:	Kings
State Waste Code:	512
State Waste Code Desc.:	Other empty containers 30 gallons or more
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	8.428
Year:	1997
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	741
State Waste Code Desc.:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0208
Year:	1999
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080033681
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	791
State Waste Code Desc.:	Liquids with pH <= 2
Method Code:	R01
Method Description:	Recycler
Tons:	0.0417
Year:	1996
--	--
Generator EPA ID:	CAD981395122
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	
State Waste Code Desc.:	
Method Code:	H01
Method Description:	Transfer station
Tons:	
Year:	2004
--	--

3	**6 of 9**	**S**	**0.00 / 0.00**	**902.41 / -7**	**2132 E AVION ST ONTARIO CA 917610000**	**HIST MANIFEST**

Gen EPA ID:	CAD981395122
Create Date:	6/29/1990 0:00:00
Inact Date:	
Facility Mail Street:	7301 WORLD AIRPORT WAY
Facility Mail City:	LOS ANGELES
Facility Mail State:	CA
Facility Mail Zip:	90045
Contact Phone(s):	4246466490
File Year(s):	1986; 1987; 1988; 1989; 1990; 1991; 1992
Contact Name(s):	ROBERT D. FREEMAN

Tanner Information

Method Description:	
Tons:	2.08
Year:	1990
Generator County Code:	36
Generator County:	San Bernardino
Method Code:	1
Tsd County Code:	0
Tsd County:	
State Waste Code:	221
State Waste Code Desc:	Waste oil and mixed oil
Tsd Epa ID:	CAD009446710

Tanner Information

Method Description:	
Tons:	0.31
Year:	1990
Generator County Code:	36
Generator County:	San Bernardino
Method Code:	R01
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	221

State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080013352

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 0
Year: 1987
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0
Year: 1987
Generator County Code: 36
Generator County: San Bernardino
Method Code: 3
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0
Year: 1991
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 45
Tsd County: Shasta
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD981388952

Tanner Information

Method Description:
Tons: 0

Year: 1991
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080013352

Tanner Information

Method Description:
Tons: 0.37
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code: H01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 341
State Waste Code Desc: Organic liquids (nonsolvents) with halogens
Tsd Epa ID: CAT000613893

Tanner Information

Method Description:
Tons: 0
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD067786749

Tanner Information

Method Description:
Tons: 6.5
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 611
State Waste Code Desc: Contaminated soil from site clean-up
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 2.8
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code: H01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 611
State Waste Code Desc: Contaminated soil from site clean-up

Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 4.58
Year: 1987
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 611
State Waste Code Desc: Contaminated soil from site clean-up
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 0
Year: 1989
Generator County Code: 36
Generator County: San Bernardino
Method Code: 1
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT000613893

Tanner Information

Method Description:
Tons: 0
Year: 1991
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 16
Tsd County: Kings
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT000646117

Tanner Information

Method Description:
Tons: 25.28
Year: 1991

Generator County Code: 36
Generator County: San Bernardino
Method Code: D80
Tsd County Code: 16
Tsd County: Kings
State Waste Code: 352
State Waste Code Desc: Other organic solids
Tsd Epa ID: CAT000646117

Tanner Information

Method Description:
Tons: 10
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code: T01
Tsd County Code: 16
Tsd County: Kings
State Waste Code: 352
State Waste Code Desc: Other organic solids
Tsd Epa ID: CAT000646117

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 16
Tsd County: Kings
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT000646117

Tanner Information

Method Description:
Tons: 7
Year: 1991
Generator County Code: 36
Generator County: San Bernardino
Method Code: D80
Tsd County Code: 45
Tsd County: Shasta
State Waste Code: 151
State Waste Code Desc: Asbestos containing waste
Tsd Epa ID: CAD981388952

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT000613893

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080013352

Tanner Information

Method Description:
Tons: 0.24
Year: 1991
Generator County Code: 36
Generator County: San Bernardino
Method Code: H01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 343
State Waste Code Desc: Unspecified organic liquid mixture
Tsd Epa ID: CAT000613893

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code: 3
Tsd County Code: 16
Tsd County: Kings
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT000646117

Tanner Information

Method Description:
Tons: 0.6
Year: 1987
Generator County Code: 36
Generator County: San Bernardino
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 213
State Waste Code Desc: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 1.2
Year: 1987
Generator County Code: 36

Generator County: San Bernardino
Method Code: D80
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 611
State Waste Code Desc: Contaminated soil from site clean-up
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 3.96
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code: H01
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 611
State Waste Code Desc: Contaminated soil from site clean-up
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 0
Tsd County:
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD009446710

Tanner Information

Method Description:
Tons: 1.03
Year: 1990
Generator County Code: 36
Generator County: San Bernardino
Method Code: H01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 214
State Waste Code Desc: Unspecified solvent mixture
Tsd Epa ID: CAT000613893

Tanner Information

Method Description:
Tons: 0
Year: 1986
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0.45
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code: 3
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD067786749

Tanner Information

Method Description:
Tons: 0
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 10.26
Year: 1990
Generator County Code: 36
Generator County: San Bernardino
Method Code: 99
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 0
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0
Year: 1991
Generator County Code: 36
Generator County: San Bernardino

Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT000613893

Tanner Information

Method Description:
Tons: 10
Year: 1991
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 16
Tsd County: Kings
State Waste Code: 352
State Waste Code Desc: Other organic solids
Tsd Epa ID: CAT000646117

Tanner Information

Method Description:
Tons: 5
Year: 1989
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 0
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code: 14
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 611
State Waste Code Desc: Contaminated soil from site clean-up
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 5
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code: D80
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 611
State Waste Code Desc: Contaminated soil from site clean-up
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 5.42
Year: 1991
Generator County Code: 36
Generator County: San Bernardino
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 241
State Waste Code Desc: Tank bottom waste
Tsd Epa ID: CAT080013352

Tanner Information

Method Description:
Tons: 0
Year: 1987
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 6.5
Year: 1989
Generator County Code: 36
Generator County: San Bernardino
Method Code: D99
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 491
State Waste Code Desc: Unspecified sludge waste
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 10.5
Year: 1989
Generator County Code: 36
Generator County: San Bernardino
Method Code: D99
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 611
State Waste Code Desc: Contaminated soil from site clean-up
Tsd Epa ID: CAT080033681

Tanner Information

Method Description:
Tons: 0
Year: 1986
Generator County Code: 36
Generator County: San Bernardino
Method Code: 3

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 181
State Waste Code Desc: Other inorganic solid waste
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 2.1
Year: 1987
Generator County Code: 36
Generator County: San Bernardino
Method Code: H01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 213
State Waste Code Desc: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Tsd Epa ID: CAT080033681

3	7 of 9	S	0.00 / 0.00	902.41 / -7	**ONTARIO INTERNATIONAL AIRPORT** **2132 E AVION ST** **ONTARIO CA 91761**	FINDS/FRS

Registry ID: 110065028516
FIPS Code:
HUC Code: 18070203
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-OCT-15
Update Date:
Interest Types: HAZARDOUS WASTE BIENNIAL REPORTER, STATE MASTER
SIC Codes: 4581
SIC Code Descriptions: AIRPORTS, FLYING FIELDS, AND AIRPORT TERMINAL SERVICES
NAICS Codes: 488119
NAICS Code Descriptions: OTHER AIRPORT OPERATIONS.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 43
Census Block Code: 060710016002036
EPA Region Code: 09
County Name: SAN BERNARDINO COUNT
US/Mexico Border Ind:
Latitude: 34.049462
Longitude: -117.604062
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065028516
Program Acronyms:

BR:CAD981395122, CA-ENVIROVIEW:140096

3	8 of 9	S	0.00 / 0.00	902.41 / -7	**LA CITY, ONTARIO AIRPORT** **2132 E AVION ST** **ONTARIO CA 91761**	EMISSIONS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

1990 Criteria Data

Facility ID:	36909	***CERR Code:***	
Facility SIC Code:	4581	***TOGT:***	.8
CO:	36	***ROGT:***	0
Air Basin:	SC	***COT:***	.2
District:	SC	***NOXT:***	.9
COID:	SBD	***SOXT:***	.1
DISN:	SOUTH COAST AQMD	***PMT:***	.1
CHAPIS:		***PM10T:***	.096

1990 Toxic Data

Facility ID:	36909	***COID:***	SBD
Facility SIC Code:	4581	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	9 of 9	S	0.00 / 0.00	902.41 / -7	ONTARIO AIRPORT MAINT YARD 2132 E AVION ST ONTARIO CA	UST SWEEPS

C C:	A36-000-11145	***D Filename:***	SITE10A
BOE:	44-020307	***Page No:***	140
Comp:	11145	***County:***	SAN BERNARDINO
Status:	ACTIVE	***State :***	CA
No of Tanks:	10	***Zip:***	91761
Jurisdict:	SAN BERNARDINO COUNTY	***Latitude:***	0
Agency:	ENVIRONMENTAL HEALTH - U.S.T.	***Longitude:***	0
Phone:		***Georesult:***	N

Tank Details

Tank ID:	000001	***S Contain:***	
O Tank ID:	1-MAINTENANCE	***Stg:***	P
SWRCB No:	36-000-011145-000001	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	09-04-91	***Content:***	REG UNLEADED
Capac:	550	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK10A

Tank Details

Tank ID:	000007	***S Contain:***	
O Tank ID:	7-SAFETY	***Stg:***	P
SWRCB No:	36-000-011145-000007	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	09-04-91	***Content:***	UNKNOWN
Capac:	1000	***ONA:***	
Tank Use:	UNKNOWN	***D File Name:***	TANK10A

Tank Details

Tank ID:	000010	***S Contain:***	

O Tank ID:		***Stg:***	P
SWRCB No:	36-000-011145-000010	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	09-14-88	***Content:***	UNKNOWN
Capac:	1	***ONA:***	
Tank Use:	UNKNOWN	***D File Name:***	TANK10A

Tank Details

Tank ID:	000006	***S Contain:***	
O Tank ID:	6-SAFETY	***Stg:***	P
SWRCB No:	36-000-011145-000006	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	09-04-91	***Content:***	DIESEL
Capac:	1000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK10A

Tank Details

Tank ID:	000002	***S Contain:***	
O Tank ID:	2-MAINTEN	***Stg:***	P
SWRCB No:	36-000-011145-000002	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	09-04-91	***Content:***	LEADED
Capac:	2000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK10A

Tank Details

Tank ID:	000005	***S Contain:***	
O Tank ID:	SAFETY	***Stg:***	P
SWRCB No:	36-000-011145-000005	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	09-04-91	***Content:***	REG UNLEADED
Capac:	2000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK10A

Tank Details

Tank ID:	000008	***S Contain:***	
O Tank ID:	8-R/W-26R	***Stg:***	P
SWRCB No:	36-000-011145-000008	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	09-04-91	***Content:***	UNKNOWN
Capac:	1	***ONA:***	
Tank Use:	UNKNOWN	***D File Name:***	TANK10A

Tank Details

Tank ID:	000009	***S Contain:***	
O Tank ID:	9-R/W-26L	***Stg:***	P
SWRCB No:	36-000-011145-000009	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	09-04-91	***Content:***	DIESEL
Capac:	10000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK10A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Details

Tank ID:	000004	***S Contain:***	
O Tank ID:	4-MAINTEN	***Stg:***	W
SWRCB No:	36-000-011145-000004	***Storage :***	
Removed:		***Storag Type:***	WASTE
Installed:		***P Contain:***	
A Date:	09-04-91	***Content:***	WASTE OIL
Capac:	250	***ONA:***	
Tank Use:	OIL	***D File Name:***	TANK10A

Tank Details

Tank ID:	000003	***S Contain:***	
O Tank ID:	3-MAINTEN	***Stg:***	P
SWRCB No:	36-000-011145-000003	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	09-04-91	***Content:***	DIESEL
Capac:	2000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK10A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	*1 of 1*	*SSE*	*0.00 / 0.00*	*901.81 / -8*	***MERCURY AIR CENTER*** ***2161 E AVION AVE*** ***ONTARIO CA 91761***	***DELISTED TNK***

Delisted Storage Tanks

Facility ID:	86009983	***Latitude:***	34.04946
Permitting Agency:	SAN BERNARDINO COUNTY	***Longitude:***	-117.60373
County:	San Bernardino		
Original Source:	UST		
Record Date:	30-JAN-2017		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	*1 of 2*	*S*	*0.00 / 0.00*	*901.54 / -8*	***CITY OF ONTARIO (DEPT OF AIRPORTS)*** ***2132 AVION*** ***ONTARIO CA 917610000***	***HAZNET***

SIC Code:		***Mailing City:***	ONTARIO
NAICS Code:		***Mailing State:***	CA
EPA ID:	CAX000239525	***Mailing Zip:***	917610000
Create Date:	6/14/1985	***Region Code:***	4
Fac Act Ind:	No	***Owner Name:***	--
Inact Date:	6/30/1998	***Owner Addr 1:***	--
County Code:	36	***Owner Addr 2:***	
County Name:	San Bernardino	***Owner City:***	--
Mail Name:		***Owner State:***	99
Mailing Addr 1:	MIKE GARDNER	***Owner Zip:***	--
Mailing Addr 2:		***Owner Phone:***	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	MIKE GARDNER
Street Address 1:	INACT PER 98VQ FINAL NOTICE
Street Address 2:	- BATCH 4/27
City:	--
State:	99
Zip:	--
Phone:	7146304111
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	2 of 2	S	0.00 / 0.00	901.54 / -8	2132 AVION ONTARIO CA 917610000	HIST MANIFEST

Gen EPA ID: CAX000239525
Create Date: 6/14/1985 0:00:00
Inact Date: 6/30/1998 0:00:00
Facility Mail Street: MIKE GARDNER
Facility Mail City: ONTARIO
Facility Mail State: CA
Facility Mail Zip: 917610000
Contact Phone(s): 7146304111
File Year(s): 1985
Contact Name(s): MIKE GARDNER

Tanner Information

Method Description:
Tons: 0
Year: 1985
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 30
Tsd County: Orange
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD030584502

Tanner Information

Method Description:
Tons: 2.71
Year: 1985
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 30
Tsd County: Orange
State Waste Code: 261
State Waste Code Desc: Polychlorinated biphenyls and material containing PCBs
Tsd Epa ID: CAD030584502

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	1 of 1	SSE	0.00 / 0.00	901.17 / -8	JETTPRO LINE MAINTENANCE-ATLANTIC 2161 E AVION STHangar 1 ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0011865
Owner Info: NUGUD, SAM
Mailing Care of:
Mailing Address 1: P.O. BOX 3190
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0038103
Status: INACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 10/31/2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit ID: PT0020683
Status: INACTIVE
Program Element Code: 4241
Permit Desc: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
To: 10/31/2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	1 of 19	SSE	0.00 / 0.00	900.55 / -9	AMERIFLIGHT, LLC 2161 E AVION ST ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0011874
Owner Info: AMERIFLIGHT
Mailing Care of: phalter@ameriflight.com
Mailing Address 1: 4700 Empire Ave
Mailing Address 2:
Mailing City: Burbank
Mailing State: CA
Mailing Zip: 91505

Detail(s)

Permit ID: PT0020706
Status: ACTIVE
Program Element Code: 4241
Permit Desc: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
To: 10/31/2021

Permit ID: PT0020707
Status: INACTIVE
Program Element Code: 4420
Permit Desc: SPECIAL GENERATOR
To: 10/31/2012

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	2 of 19	SSE	0.00 / 0.00	900.55 / -9	MERCURY AIR ATLANTIC AVIATION 2161 E AVION ST ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0004670
Owner Info: MERCURY AIR CENTER
Mailing Care of: TONY CASILLAS
Mailing Address 1: 2161 E AVION ST
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761-0000

Detail(s)

Permit ID: PT0011559
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2013

Permit ID: PT0011562
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2013

Permit ID: PT0025796
Status: INACTIVE
Program Element Code: 4104

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2013

Permit ID: PT0025705
Status: INACTIVE
Program Element Code: 4270
Permit Desc: EPCRA FACILITY
To: 10/31/2013

Permit ID: PT0002688
Status: INACTIVE
Program Element Code: 4411
Permit Desc: HAZARDOUS WASTE GENERATOR - 11-25 EMPLOYEES
To: 10/31/2013

Permit ID: PT0002687
Status: INACTIVE
Program Element Code: 4203
Permit Desc: HAZMAT HANDLER 11-25 EMPLOYEES (W/GEN PRMT)
To: 10/31/2013

Permit ID: PT0011563
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2013

Permit ID: PT0011560
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2013

Permit ID: PT0011561
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2013

Permit ID: PT0018157
Status: INACTIVE
Program Element Code: 4303
Permit Desc: HAZARDOUS WASTE GENERATOR RCRA LQG
To: 10/31/2009

Permit ID: PT0011558
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2013

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	3 of 19	SSE	0.00 / 0.00	900.55 / -9	JETTPRO LINE MAINTENANCE-UNITED 2161 E AVION ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0011845
Owner Info: NUGUD, SAM
Mailing Care of:
Mailing Address 1: P.O. BOX 3190
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit ID: PT0020665
Status: ACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 10/31/2021

Permit ID: PT0020664
Status: ACTIVE
Program Element Code: 4242
Permit Desc: HAZARDOUS MATERIALS 1-3 CHEMICALS
To: 10/31/2021

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	4 of 19	SSE	0.00 / 0.00	900.55 / -9	CERTIFIED AVIATION SVS MERCURY AIR 2161 E AVION ST ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0010677
Owner Info: AERO-MARK LLC
Mailing Care of: WILLIAM CORTEAL
Mailing Address 1: 1150 S VINEYARD AVE
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0018183
Status: INACTIVE
Program Element Code: 4420
Permit Desc: SPECIAL GENERATOR
To: 12/31/2007

Permit ID: PT0018182
Status: INACTIVE
Program Element Code: 4210
Permit Desc: SPECIAL HANDLER
To: 12/31/2007

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	5 of 19	SSE	0.00 / 0.00	900.55 / -9	ONTARIO AIRCRAFT OPERATIONS 2161 E AVION ST ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0006303
Owner Info: Southern California Edison
Mailing Care of: CEH&S COMPLIANCE EHSync@sce.com
Mailing Address 1: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Mailing Address 2:
Mailing City: ROSEMEAD
Mailing State: CA
Mailing Zip: 91770

Detail(s)

Permit ID: PT0010047
Status: INACTIVE
Program Element Code: 4411
Permit Desc: HAZARDOUS WASTE GENERATOR - 11-25 EMPLOYEES
To: 3/31/2012

Permit ID: PT0010048
Status: INACTIVE
Program Element Code: 4203

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Permit Desc:		HAZMAT HANDLER 11-25 EMPLOYEES (W/GEN PRMT)				
To:		3/31/2012				
7	6 of 19	SSE	0.00 / 0.00	900.55 / -9	**JET SYSTEMS INTERNATIONAL INC.** **2161 E AVION AVE HNGR 2** **Ontario CA 91761**	SANBERN CUPA

Facility ID: FA0011864
Owner Info: SARKHOSH, NADER
Mailing Care of:
Mailing Address 1: 2161 E. AVION ST. Hangar #2
Mailing Address 2:
Mailing City: Ontario
Mailing State: CA
Mailing Zip: 91761-8067

Detail(s)

Permit ID: PT0020682
Status: INACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 10/31/2019

Permit ID: PT0020681
Status: INACTIVE
Program Element Code: 4242
Permit Desc: HAZARDOUS MATERIALS 1-3 CHEMICALS
To: 10/31/2019

7	7 of 19	SSE	0.00 / 0.00	900.55 / -9	**BEATRICE/HUNT-WESSON** **2161 E AVION ST** **ONTARIO CA 917610000**	HAZNET

SIC Code:
NAICS Code:
EPA ID: CAL000038317
Create Date: 2/15/1991
Fac Act Ind: No
Inact Date: 6/30/1997
County Code: 36
County Name: San Bernardino
Mail Name:
Mailing Addr 1: 19711 CAMPUS DR STE 210
Mailing Addr 2:
Owner Fax:

Mailing City: SANTA ANA
Mailing State: CA
Mailing Zip: 927070000
Region Code: 4
Owner Name: BEECHCRAFT WEST
Owner Addr 1: --
Owner Addr 2:
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000

Contact Information
-- --
Contact Name: JIM STEERE
Street Address 1: 19711 CAMPUS DR STE 210__CANX
Street Address 2: V97 LC
City: SANTA ANA
State: CA
Zip: 927070000
Phone: 7144428977
-- --

7	8 of 19	SSE	0.00 / 0.00	900.55 / -9	**BEECHCRAFT WEST** **2161 E AVION ST** **ONTARIO CA 917610000**	HAZNET

SIC Code:
NAICS Code:

Mailing City: ONTARIO
Mailing State: CA

EPA ID:	CAD982019606	**Mailing Zip:**	917617770
Create Date:	6/17/1988	**Region Code:**	4
Fac Act Ind:	No	**Owner Name:**	--
Inact Date:	6/30/1998	**Owner Addr 1:**	--
County Code:	36	**Owner Addr 2:**	
County Name:	San Bernardino	**Owner City:**	--
Mail Name:		**Owner State:**	99
Mailing Addr 1:	2161 E AVION AVE	**Owner Zip:**	--
Mailing Addr 2:		**Owner Phone:**	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	SHAWN BEAVER LINE SERV MGR
Street Address 1:	INACT PER 98VQ FINAL NOTICE
Street Address 2:	- BATCH 4/27
City:	--
State:	99
Zip:	--
Phone:	9093902370
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080011059
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	133
State Waste Code Desc.:	Aqueous solution with total organic residues 10 percent or more
Method Code:	R01
Method Description:	Recycler
Tons:	8.34
Year:	1994
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080011059
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	R01
Method Description:	Recycler
Tons:	11.13
Year:	1993
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080011059
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	R01
Method Description:	Recycler
Tons:	10.5
Year:	1996
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles

State Waste Code:	213
State Waste Code Desc.:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Code:	R01
Method Description:	Recycler
Tons:	6.672
Year:	1995
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080011059
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	15.2
Year:	1993
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080011059
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	3.8
Year:	1994
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080011059
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	19
Year:	1995
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080011059
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	24.7
Year:	1996
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	AZD049318009
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	R01
Method Description:	Recycler

Tons:	0.5004
Year:	1996
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	AZD049318009
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	291
State Waste Code Desc.:	Latex waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0667
Year:	1997
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD000088252
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.363
Year:	1994
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	AZD049318009
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0586
Year:	1997
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080011059
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	R01
Method Description:	Recycler
Tons:	0.363
Year:	1994
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD059494310
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H01
Method Description:	Transfer station
Tons:	0.6
Year:	1994
--	--
Generator EPA ID:	CAD982019606

Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD982484933
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	512
State Waste Code Desc.:	Other empty containers 30 gallons or more
Method Code:	R01
Method Description:	Recycler
Tons:	0.25
Year:	1996
--	--
Generator EPA ID:	CAD982019606
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	UTD991301748
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	
State Waste Code Desc.:	
Method Code:	
Method Description:	
Tons:	13.4848
Year:	1997
--	--

7	9 of 19	SSE	0.00 / 0.00	900.55 / -9	**CERTIFIED AVIATION SERVICES INC** **2161 E AVION ST** **ONTARIO CA 916710000**	HAZNET

SIC Code:		**Mailing City:**	ONTARIO
NAICS Code:	4881	**Mailing State:**	CA
EPA ID:	CAL000140205	**Mailing Zip:**	917618067
Create Date:	4/2/1998	**Region Code:**	4
Fac Act Ind:	No	**Owner Name:**	CERTIFIED AVIATION SVCS INC
Inact Date:	6/30/2005	**Owner Addr 1:**	2161 E AVION ST
County Code:	36	**Owner Addr 2:**	
County Name:	San Bernardino	**Owner City:**	ONTARIO
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	2161 E AVION ST	**Owner Zip:**	917618067
Mailing Addr 2:		**Owner Phone:**	9096050380
Owner Fax:			

Contact Information	
--	--
Contact Name:	SCOTT CLARK
Street Address 1:	2161 E AVION ST
Street Address 2:	
City:	ONTARIO
State:	CA
Zip:	917618067
Phone:	9099370011
--	--
--	--
Tanner Information	
--	--
Generator EPA ID:	CAL000140205
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080033681
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	0.17

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Year:		2004				
--		--				

7	10 of 19	SSE	0.00 / 0.00	900.55 / -9	SO CALIFORNIA EDISON/ONTARIO AIRCRAFT 2161 E AVION ST ONTARIO CA 917610000	HAZNET

SIC Code:	4939	Mailing City:	ROSEMEAD
NAICS Code:	221122	Mailing State:	CA
EPA ID:	CAL000140924	Mailing Zip:	917700000
Create Date:	12/28/1998	Region Code:	4
Fac Act Ind:	No	Owner Name:	SOUTHERN CALIFORNIA EDISON
Inact Date:	3/29/2012	Owner Addr 1:	PO BOX 800
County Code:	36	Owner Addr 2:	G01 QUAD 3A
County Name:	San Bernardino	Owner City:	ROSEMEAD
Mail Name:	ENV HEALTH & SAFETY	Owner State:	CA
Mailing Addr 1:	PO BOX 800	Owner Zip:	917700000
Mailing Addr 2:		Owner Phone:	6268628458
Owner Fax:	6263022031		

Contact Information	
--	--
Contact Name:	SARA M. DUVALL
Street Address 1:	PO BOX 800
Street Address 2:	
City:	ROSEMEAD
State:	CA
Zip:	917700000
Phone:	6268628458
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--	--
Tanner Information	
--	--
Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H135
Method Description:	DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)
Tons:	0.084
Year:	2006
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H135
Method Description:	DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)
Tons:	0.378
Year:	2007
--	--
Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent

Method Code:	H135
Method Description:	DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)
Tons:	0.714
Year:	2008
--	--
Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H135
Method Description:	DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)
Tons:	0.315
Year:	2009
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H135
Method Description:	DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)
Tons:	0.084
Year:	2010
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H135
Method Description:	DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)
Tons:	0.252
Year:	2011
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.4914
Year:	1999
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.8106
Year:	2000

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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.3318
Year:	2001
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.6216
Year:	2002
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT000613927
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.252
Year:	2003
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0.2016
Year:	2003
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0.273
Year:	2004
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino

TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0.315
Year:	2005
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0.189
Year:	2006
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.05
Year:	2010
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	HFHQ36 0200
TSD County Code:	
TSD County:	
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.1
Year:	2004
--	--
Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	211
State Waste Code Desc.:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.09
Year:	2010
--	--
Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19

TSD County:	Los Angeles
State Waste Code:	213
State Waste Code Desc.:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.06
Year:	2010
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.045
Year:	2007
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.03
Year:	2008
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0875
Year:	2009
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.145
Year:	2010
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850

TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.2
Year:	2011
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	
Method Description:	
Tons:	0.05
Year:	2006
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.171
Year:	2007
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.171
Year:	2008
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.171
Year:	2009
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711

TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.095
Year:	2010
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.228
Year:	2011
--	--
Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H01
Method Description:	Transfer station
Tons:	0.266
Year:	2002
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H01
Method Description:	Transfer station
Tons:	0.228
Year:	2003
--	--
Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H01
Method Description:	Transfer station
Tons:	0.19
Year:	2004
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino

State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H01
Method Description:	Transfer station
Tons:	0.133
Year:	2005
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080025711
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H01
Method Description:	Transfer station
Tons:	0.171
Year:	2006
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.055
Year:	2010
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.05
Year:	2009
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0125
Year:	2009
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	512

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

State Waste Code Desc.:	Other empty containers 30 gallons or more
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.045
Year:	2008
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	512
State Waste Code Desc.:	Other empty containers 30 gallons or more
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.02
Year:	2010
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Generator EPA ID:	CAL000140924
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	561
State Waste Code Desc.:	Detergent waste chemicals
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.065
Year:	2010
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	11 of 19	SSE	0.00 / 0.00	900.55 / -9	BEECHCRAFT WEST 2161 E AVION ST ONTARIO CA 917610000	HAZNET

SIC Code:		**Mailing City:**	ONTARIO
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAX000220657	**Mailing Zip:**	917610000
Create Date:	5/29/1985	**Region Code:**	4
Fac Act Ind:	No	**Owner Name:**	--
Inact Date:	4/30/1986	**Owner Addr 1:**	--
County Code:	36	**Owner Addr 2:**	
County Name:	San Bernardino	**Owner City:**	--
Mail Name:		**Owner State:**	99
Mailing Addr 1:	--	**Owner Zip:**	--
Mailing Addr 2:		**Owner Phone:**	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	WES BISHOP
Street Address 1:	--
Street Address 2:	
City:	--
State:	99
Zip:	--
Phone:	7149888502
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	12 of 19	SSE	0.00 / 0.00	900.55 / -9	2161 E AVION ST ONTARIO CA 917610000	HIST MANIFEST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Gen EPA ID: CAX000220657
Create Date: 5/29/1985 0:00:00
Inact Date: 4/30/1986 0:00:00
Facility Mail Street: --
Facility Mail City: ONTARIO
Facility Mail State: CA
Facility Mail Zip: 917610000
Contact Phone(s): 7149888502
File Year(s): 1986
Contact Name(s): WES BISHOP

Tanner Information

Method Description:
Tons: 0
Year: 1986
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 36
Tsd County: San Bernardino
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080025711

Tanner Information

Method Description:
Tons: 10.98
Year: 1986
Generator County Code: 36
Generator County: San Bernardino
Method Code: R01
Tsd County Code: 36
Tsd County: San Bernardino
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080025711

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	13 of 19	SSE	0.00 / 0.00	900.55 / -9	2161 E AVION ST ONTARIO CA 917610000	HIST MANIFEST

Gen EPA ID: CAD982019606
Create Date: 6/17/1988 0:00:00
Inact Date: 6/30/1998 0:00:00
Facility Mail Street: 2161 E AVION AVE
Facility Mail City: ONTARIO
Facility Mail State: CA
Facility Mail Zip: 917617770
Contact Phone(s): 9093902370
File Year(s): 1988; 1989; 1990; 1992
Contact Name(s): SHAWN BEAVER LINE SERV MGR

Tanner Information

Method Description:
Tons: 8.89
Year: 1990
Generator County Code: 36
Generator County: San Bernardino
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 221

State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 0
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD099452708

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080013352

Tanner Information

Method Description:
Tons: 12.17
Year: 1990
Generator County Code: 36
Generator County: San Bernardino
Method Code: 1
Tsd County Code: 0
Tsd County:
State Waste Code: 223
State Waste Code Desc: Unspecified oil-containing waste
Tsd Epa ID: HAHQ36017252

Tanner Information

Method Description:
Tons: 0.1

Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code: H01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 135
State Waste Code Desc: Unspecified aqueous solution
Tsd Epa ID: CAD000088252

Tanner Information

Method Description:
Tons: 4.17
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080013352

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 0
Tsd County:
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: HAHQ36017252

Tanner Information

Method Description:
Tons: 2.29
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 135
State Waste Code Desc: Unspecified aqueous solution
Tsd Epa ID: CAD099452708

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:

Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 3.33
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 223
State Waste Code Desc: Unspecified oil-containing waste
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 0
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 36
Tsd County: San Bernardino
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080025711

Tanner Information

Method Description:
Tons: 0.83
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 241
State Waste Code Desc: Tank bottom waste
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 0
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080013352

Tanner Information

Method Description:
Tons: 1.41
Year: 1988

Generator County Code: 36
Generator County: San Bernardino
Method Code: UNK
Tsd County Code: 36
Tsd County: San Bernardino
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080025711

Tanner Information

Method Description:
Tons: 7.71
Year: 1989
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 36
Tsd County: San Bernardino
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080025711

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 36
Tsd County: San Bernardino
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080025711

Tanner Information

Method Description:
Tons: 5.46
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 222
State Waste Code Desc: Oil/water separation sludge
Tsd Epa ID: CAT080013352

Tanner Information

Method Description:
Tons: 5.21
Year: 1990
Generator County Code: 36
Generator County: San Bernardino
Method Code: R01
Tsd County Code: 36
Tsd County: San Bernardino
State Waste Code: 223
State Waste Code Desc: Unspecified oil-containing waste
Tsd Epa ID: CAT080025711

Tanner Information

Method Description:
Tons: 10.34
Year: 1988
Generator County Code: 36
Generator County: San Bernardino
Method Code: R01
Tsd County Code: 36
Tsd County: San Bernardino
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080025711

Tanner Information

Method Description:
Tons: 7.5
Year: 1989
Generator County Code: 36
Generator County: San Bernardino
Method Code: R01
Tsd County Code: 36
Tsd County: San Bernardino
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080025711

Tanner Information

Method Description:
Tons: 18.97
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 0.07
Year: 1992
Generator County Code: 36

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Generator County: San Bernardino
Method Code: H01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 513
State Waste Code Desc: Empty containers less than 30 gallons
Tsd Epa ID: CAD000088252

Tanner Information

Method Description:
Tons: 0
Year: 1989
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 36
Tsd County: San Bernardino
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080025711

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD000088252

Tanner Information

Method Description:
Tons: 0.1
Year: 1992
Generator County Code: 36
Generator County: San Bernardino
Method Code: H01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 291
State Waste Code Desc: Latex waste
Tsd Epa ID: CAD000088252

7	14 of 19	SSE	0.00 / 0.00	900.55 / -9	AMERIFLIGHTNA LLC 2161 E AVION ST ONTARIO CA 91761	FINDS/FRS

Registry ID: 110065255306
FIPS Code:
HUC Code: 18070203
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-OCT-15
Update Date:
Interest Types: STATE MASTER
SIC Codes: 4522

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SIC Code Descriptions: AIR TRANSPORTATION, NONSCHEDULED
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 43
Census Block Code: 060710016002036
EPA Region Code: 09
County Name: SAN BERNARDINO COUNT
US/Mexico Border Ind:
Latitude: 34.04929
Longitude: -117.60319
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065255306
Program Acronyms:

CA-ENVIROVIEW:5503

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	15 of 19	SSE	0.00 / 0.00	900.55 / -9	BEECH CRAFT WEST 2161 E AVION ST ONTARIO CA	EMISSIONS

1987 Criteria Data

Facility ID: 39787
Facility SIC Code: 5171
CO: 36
Air Basin: SC
District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: .6
ROGT: .48576
COT:
NOXT:
SOXT:
PMT:
PM10T:

1987 Toxic Data

Facility ID: 39787
Facility SIC Code: 5171
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	16 of 19	SSE	0.00 / 0.00	900.55 / -9	AMERIFLIGHT, LLC 2161 E AVION ST ONTARIO CA 91761	CERS HAZ

Site ID: 5503
Latitude: 34.049309
Longitude: -117.603200
County:

Regulated Programs

EI ID: 10053682 ***EI Description:*** Chemical Storage Facilities

Violations

Violation Date: 08/07/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 09/18/2014. The Busienss Plan is required to be updated annually and submitted to the statewide information management system, CERS. The last plan received was in 2012.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Enforcements

Enf Action Date: 08/07/2014 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 08/07/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Routine inspection; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/02/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:
Address: 620 South E Street
City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Affil Type Desc: Legal Owner

Entity Name:	AMERIFLIGHT
Entity Title:	
Address:	PO BOX 7838
City:	BURBANK
State:	CA
Country:	United States
Zip Code:	91510
Phone:	(800) 800-4538

Affil Type Desc:	Document Preparer
Entity Name:	Paul Halter
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Environmental Contact
Entity Name:	PAUL HALTER
Entity Title:	
Address:	PO BOX 7838
City:	BURBANK
State:	CA
Country:	
Zip Code:	91570
Phone:	

Affil Type Desc:	Identification Signer
Entity Name:	PAUL HALTER
Entity Title:	OPERATIONS MANAGER
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	2161 E AVION ST
City:	ONTARIO
State:	CA
Country:	
Zip Code:	91761
Phone:	

Affil Type Desc:	Operator
Entity Name:	PAUL HALTER
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(818) 847-0000

Affil Type Desc:	Parent Corporation
Entity Name:	AMERIFLIGHT LLC
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Coordinates

Env Int Type Code:	HMBP	***Longitude:***	-117.603340
Program ID:	10053682	***Coord Name:***	
Latitude:	34.049365	***Ref Point Type Desc:***	Unknown

7	17 of 19	SSE	0.00 / 0.00	900.55 / -9	JETT PRO 2161 E AVION AVE ONTARIO CA 91761-8067	RCRA NON GEN

EPA Handler ID:	CAL000333086
Gen Status Universe:	No Report
Contact Name:	MIGUEL ITRIAGO
Contact Address:	2910 INLAND EMPIRE BLVD STE 102 , , ONTARIO , CA, 91764-5565 ,
Contact Phone No and Ext:	909-980-0552
Contact Email:	MITRIAGO@JETTPRO.AERO
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20080528
Location Latitude:	34.049367
Location Longitude:	-117.603243

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20080528
Handler Name:	JETT PRO
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	2910 INLAND EMPIRE BLVD STE 102
Name:	SAM NUGUD	***Street 2:***	
Date Became Current:		***City:***	ONTARIO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Ended Current:		**State:**	CA
Phone:	909-980-0552	**Country:**	
Source Type:	Implementer	**Zip Code:**	91764-5565
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2910 INLAND EMPIRE BLVD STE 102
Name:	MIGUEL ITRIAGO	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-980-0552	**Country:**	
Source Type:	Implementer	**Zip Code:**	91764-5565

7	18 of 19	SSE	0.00 / 0.00	900.55 / -9	JET SYSTEMS INTERNATIONAL INC 2161 E AVION AVE ONTARIO CA 91761-8067	RCRA NON GEN

EPA Handler ID:	CAL000326692
Gen Status Universe:	No Report
Contact Name:	NADER SARKHOSH
Contact Address:	2161 EAST AVION ST HANGAR #2 , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext:	949-400-5387
Contact Email:	EYESONJETS@AOL.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20071114
Location Latitude:	34.049367
Location Longitude:	-117.603243

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20071114
Handler Name:	JET SYSTEMS INTERNATIONAL INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	2161 EAST AVION ST HANGAR #2
Name:	NADER SARKHOSH	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	949-400-5387	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	2161 E AVION ST HANGAR #2
Name:	NADER SARKHOSH	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	909-400-5387	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761-8067

7	***19 of 19***	***SSE***	***0.00 / 0.00***	***900.55 / -9***	***BEECHCRAFT WEST-ONTARIO 2161 E AVION ST ONTARIO CA***	***UST SWEEPS***

C C:	A36-000-46263	***D Filename:***	SITE10A
BOE:	44-021078	***Page No:***	140
Comp:	46263	***County:***	SAN BERNARDINO
Status:	ACTIVE	***State :***	CA
No of Tanks:	7	***Zip:***	91761
Jurisdict:	SAN BERNARDINO COUNTY	***Latitude:***	0
Agency:	ENVIRONMENTAL HEALTH - U.S.T.	***Longitude:***	0
Phone:		***Georesult:***	N

Tank Details

Tank ID:	000004	***S Contain:***	
O Tank ID:	4	***Stg:***	P
SWRCB No:	36-000-046263-000004	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	07-01-85	***Content:***	AVIA. GAS
Capac:	15000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK10A

Tank Details

Tank ID:	000006	***S Contain:***	
O Tank ID:	6	***Stg:***	W
SWRCB No:	36-000-046263-000006	***Storage :***	
Removed:		***Storag Type:***	WASTE
Installed:		***P Contain:***	
A Date:	07-01-85	***Content:***	
Capac:	2000	***ONA:***	
Tank Use:	UNKNOWN	***D File Name:***	TANK10A

Tank Details

Tank ID:	000007	***S Contain:***	
O Tank ID:	7	***Stg:***	W
SWRCB No:	36-000-046263-000007	***Storage :***	
Removed:		***Storag Type:***	WASTE
Installed:		***P Contain:***	
A Date:	07-01-85	***Content:***	WASTE OIL
Capac:	500	***ONA:***	
Tank Use:	OIL	***D File Name:***	TANK10A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Details

Tank ID:	000002	***S Contain:***	
O Tank ID:	2	***Stg:***	P
SWRCB No:	36-000-046263-000002	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	07-01-85	***Content:***	
Capac:	25000	***ONA:***	
Tank Use:	UNKNOWN	***D File Name:***	TANK10A

Tank Details

Tank ID:	000001	***S Contain:***	
O Tank ID:	1	***Stg:***	P
SWRCB No:	36-000-046263-000001	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	07-01-85	***Content:***	
Capac:	25000	***ONA:***	
Tank Use:	UNKNOWN	***D File Name:***	TANK10A

Tank Details

Tank ID:	000003	***S Contain:***	
O Tank ID:	3	***Stg:***	P
SWRCB No:	36-000-046263-000003	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	07-01-85	***Content:***	
Capac:	15000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK10A

Tank Details

Tank ID:	000005	***S Contain:***	
O Tank ID:	5	***Stg:***	P
SWRCB No:	36-000-046263-000005	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	07-01-85	***Content:***	REG UNLEADED
Capac:	6000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK10A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	*1 of 4*	*SSE*	*0.00 / 0.00*	*900.50 / -9*	***Mercury Air Center 2161 East Avion St., Ontario Airport Ontario CA 91761***	***CHMIRS***

Control No:		***Notified Date:***	5/29/200101:38:05 PM
Notified Date Time:		***Year:***	2001
County:	San Bernardino County		
URL:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	*2 of 4*	*SSE*	*0.00 / 0.00*	*900.50 / -9*	***BEECHCRAFT WEST-ONTARIO 2161 EAST AVION ST. ONTARIO CA 91761***	***HHSS***

County:	San Bernardino
Pdf File Url:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000299ed.pdf

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	3 of 4	SSE	0.00 / 0.00	900.50 / -9	JETTPRO LINE MAINTENANCE-ATLANTIC 2161 E AVION ST HANGAR 1 ONTARIO CA 91761	FINDS/FRS

Registry ID: 110065395209
FIPS Code:
HUC Code: 18070203
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 13-OCT-15
Update Date:
Interest Types: STATE MASTER
SIC Codes: 4581
SIC Code Descriptions: AIRPORTS, FLYING FIELDS, AND AIRPORT TERMINAL SERVICES
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 43
Census Block Code: 060710016002036
EPA Region Code: 09
County Name: SAN BERNARDINO COUNT
US/Mexico Border Ind:
Latitude: 34.04929
Longitude: -117.60319
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065395209
Program Acronyms:

CA-ENVIROVIEW:39768

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	4 of 4	SSE	0.00 / 0.00	900.50 / -9	JETTPRO LINE MAINTENANCE-ATLANTIC 2161 E AVION ST HANGAR 1 ONTARIO CA 91761	DELISTED HAZ

Siteid: 39768
Latitude: 34.049456
Longitude: -117.603310
Original Source: CHAZ
Record Date: 04-JAN-2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of 1	E	0.00 / 0.00	903.97 / -5	ONTARIO A.N.G. TRAINING SITE ONTARIO CA	FUDS

FUDS Property No: J09CA0522
EMS Map Link: https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=61125
FUDS INST ID: CA99799F554300
Status:
SDS ID:
NPL Status Code: Not on the NPL
Eligibility: Eligible
Site Eligib:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Current Owner:	
Has Project:	Yes
DOD FUDS Pro:	
Project Required:	Yes
No Further Action:	
Congressional District:	35
EPA Region:	09
County:	SAN BERNARDINO
Latitude:	34.0513
Longitude:	-117.600998
Fiscal year:	2019
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Shape Area:	.00000805
Shape Len:	.01180658
Centroid Latitude:	
Centroid Longitude:	
Media ID:	
Metadata ID:	
Feature Desc:	
Property History:	The site has been used as an airport and for Air National Guard training. The former Ontario Air National Guard Training Site is located on a small portion of the former Ontario Army Airfield (DERP Site No. J09CA053100). The U.S. Air Force acquired the s

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	1 of 5	SSE	0.00 / 0.00	895.67 / -14	GE ENGINE SERVICES LLC W COAST OPS 2264 E AVION ST ONTARIO CA 91761	RCRA TSD

EPA Handler ID:	CAD981375124
Gen Status Universe:	Large Quantity Generator
Contact Name:	TAMI L NORWOOD
Contact Address:	PO BOX 797 , , ARKANSAS CITY , KS, 67005 , US
Contact Phone No and Ext:	620-442-3600 4331
Contact Email:	TAMARA.NORWOOD@GE.COM
Contact Country:	US
Land Type:	Municipal
County Name:	SAN BERNARDINO
EPA Region:	09
Receive Date:	20100913
Location Latitude:	34.048324
Location Longitude:	-117.602182

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900412
Handler Name: GENERAL ELECTRIC CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920227
Handler Name: GE AIRCRAFT ENGINES ENGINE MAINTENANCE C
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19960229
Handler Name: GE ENGINE SERVICES - TEST CELL FACILITY
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: GE ENGINE SVCS INC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19970123
Handler Name: GE ENGINE SVCS INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 19990304
Handler Name: GE ENGINE SERVICES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20001012
Handler Name: GE ENGINE SERVICES, INC.
Federal Waste Generator Code: 1

Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20020227
Handler Name: GE ENGINE SERVICES INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20030218
Handler Name: GE ENGINE SERVICES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20060228
Handler Name: GE ENGINE SERVICES INC.
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20060228
Handler Name: GE ENGINE SERVICES INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20071203
Handler Name: GE ENGINE SERVICES INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 9
Receive Date: 20080201
Handler Name: GE ENGINE SERVICES, INC. - WEST COAST OPERATION
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004,

AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20100913
Handler Name: GE ENGINE SERVICES LLC W COAST OPS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GE COMPANY	**Street 2:**	
Date Became Current:	19550101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	ONE NEUMANN WAY MD T165
Name:	GE ENGINE SERVICES, INC.	**Street 2:**	
Date Became Current:	19560101	**City:**	CINCINNATI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	45215

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	ONE NEWMAN WAY
Name:	GE ENGINE SVCS INC	**Street 2:**	MD T165
Date Became Current:	19510101	**City:**	CINCINNATTI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	45215

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Municipal	**Street 1:**	1 NEWMAN WAY
Name:	CITY OF LAS ANGELES	**Street 2:**	
Date Became Current:	19530101	**City:**	CINCINNATTI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Implementer	**Zip Code:**	45215

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GE COMPANY	**Street 2:**	
Date Became Current:	19550101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Implementer	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	1923 E AVION ST
Name:	GE ENGINE SERVICES INC	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-986-6731	**Country:**	
Source Type:	Notification	**Zip Code:**	91761

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Municipal	**Street 1:**	1 NEWMAN WAY
Name:	CITY OF LAS ANGELES	**Street 2:**	
Date Became Current:	19530101	**City:**	CINCINNATTI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	45215

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Implementer	***Zip Code:***	99999

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	ONE NEUMANN WAY MD
Name:	GE ENGINE SVC LLC	***Street 2:***	T165
Date Became Current:	19560101	***City:***	CINCINNATI
Date Ended Current:		***State:***	OH
Phone:	513-243-2000	***Country:***	US
Source Type:	Notification	***Zip Code:***	45215

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Municipal	***Street 1:***	1 NEUMANN WAY
Name:	CITY OF LOS ANGELES	***Street 2:***	
Date Became Current:	19530101	***City:***	CINCINNATI
Date Ended Current:		***State:***	OH
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	45215

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	GE ENGINE SVCS INC	***Street 2:***	
Date Became Current:	19510101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Notification	***Zip Code:***	

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	ONE NEUMANN WAY MD
Name:	GE ENGINE SVC LLC	***Street 2:***	T165
Date Became Current:	19560101	***City:***	CINCINNATI
Date Ended Current:		***State:***	OH
Phone:	513-243-2000	***Country:***	US
Source Type:	Notification	***Zip Code:***	45215

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	GE ENGINE SERVICES, INC.	***Street 2:***	
Date Became Current:	19560101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	

Historical Handler Details

Receive Dt:	20080201
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES, INC. - WEST COAST OPERATION

Receive Dt:	20071203
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC

Receive Dt:	20060228
Generator Code Description:	Small Quantity Generator
Handler Name:	GE ENGINE SERVICES INC.

Receive Dt:	20060228
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC.

Receive Dt:	20030218
Generator Code Description:	Large Quantity Generator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Name: GE ENGINE SERVICES, INC.

Receive Dt: 20020227
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES INC

Receive Dt: 20001012
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES, INC.

Receive Dt: 19990304
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES, INC.

Receive Dt: 19970123
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SVCS INC

Receive Dt: 19960901
Generator Code Description: Small Quantity Generator
Handler Name: GE ENGINE SVCS INC

Receive Dt: 19960229
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES - TEST CELL FACILITY

Receive Dt: 19920227
Generator Code Description: Small Quantity Generator
Handler Name: GE AIRCRAFT ENGINES ENGINE MAINTENANCE C

Receive Dt: 19900412
Generator Code Description: Large Quantity Generator
Handler Name: GENERAL ELECTRIC CO

10	2 of 5	SSE	0.00 / 0.00	895.67 / -14	GE ENGINE SERVICES LLC W COAST OPS 2264 E AVION ST ONTARIO CA 91761	RCRA LQG

EPA Handler ID: CAD981375124
Gen Status Universe: Large Quantity Generator
Contact Name: TAMI L NORWOOD
Contact Address: PO BOX 797 , , ARKANSAS CITY , KS, 67005 , US
Contact Phone No and Ext: 620-442-3600 4331
Contact Email: TAMARA.NORWOOD@GE.COM
Contact Country: US
County Name: SAN BERNARDINO
EPA Region: 09
Land Type: Municipal
Receive Date: 20100913
Location Latitude: 34.048324
Location Longitude: -117.602182

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No

Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900412
Handler Name: GENERAL ELECTRIC CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920227
Handler Name: GE AIRCRAFT ENGINES ENGINE MAINTENANCE C
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19960229
Handler Name: GE ENGINE SERVICES - TEST CELL FACILITY
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: GE ENGINE SVCS INC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19970123
Handler Name: GE ENGINE SVCS INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 19990304
Handler Name: GE ENGINE SERVICES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20001012
Handler Name: GE ENGINE SERVICES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20020227
Handler Name: GE ENGINE SERVICES INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20030218
Handler Name: GE ENGINE SERVICES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20060228
Handler Name: GE ENGINE SERVICES INC.
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20060228
Handler Name: GE ENGINE SERVICES INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20071203
Handler Name: GE ENGINE SERVICES INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 9
Receive Date: 20080201
Handler Name: GE ENGINE SERVICES, INC. - WEST COAST OPERATION
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20100913
Handler Name: GE ENGINE SERVICES LLC W COAST OPS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	ONE NEUMANN WAY MD T165
Name:	GE ENGINE SERVICES, INC.	**Street 2:**	
Date Became Current:	19560101	**City:**	CINCINNATI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	45215

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Municipal	**Street 1:**	1 NEUMANN WAY
Name:	CITY OF LOS ANGELES	**Street 2:**	
Date Became Current:	19530101	**City:**	CINCINNATI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	45215

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GE ENGINE SVCS INC	**Street 2:**	
Date Became Current:	19510101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Notification	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	ONE NEWMAN WAY
Name:	GE ENGINE SVCS INC	**Street 2:**	MD T165
Date Became Current:	19510101	**City:**	CINCINNATTI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	45215

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GE ENGINE SERVICES, INC.	**Street 2:**	
Date Became Current:	19560101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US

Source Type:	Annual/Biennial Report	**Zip Code:**	
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GE COMPANY	**Street 2:**	
Date Became Current:	19550101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Implementer	**Zip Code:**	
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GE COMPANY	**Street 2:**	
Date Became Current:	19550101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Municipal	**Street 1:**	1 NEWMAN WAY
Name:	CITY OF LAS ANGELES	**Street 2:**	
Date Became Current:	19530101	**City:**	CINCINNATTI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	45215
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Municipal	**Street 1:**	1 NEWMAN WAY
Name:	CITY OF LAS ANGELES	**Street 2:**	
Date Became Current:	19530101	**City:**	CINCINNATTI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Implementer	**Zip Code:**	45215
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	1923 E AVION ST
Name:	GE ENGINE SERVICES INC	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-986-6731	**Country:**	
Source Type:	Notification	**Zip Code:**	91761
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	ONE NEUMANN WAY MD
Name:	GE ENGINE SVC LLC	**Street 2:**	T165
Date Became Current:	19560101	**City:**	CINCINNATI
Date Ended Current:		**State:**	OH
Phone:	513-243-2000	**Country:**	US
Source Type:	Notification	**Zip Code:**	45215
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	ONE NEUMANN WAY MD
Name:	GE ENGINE SVC LLC	**Street 2:**	T165
Date Became Current:	19560101	**City:**	CINCINNATI
Date Ended Current:		**State:**	OH
Phone:	513-243-2000	**Country:**	US
Source Type:	Notification	**Zip Code:**	45215

Historical Handler Details

Receive Dt:	20080201
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES, INC. - WEST COAST OPERATION
Receive Dt:	20071203
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Dt: 20060228
Generator Code Description: Small Quantity Generator
Handler Name: GE ENGINE SERVICES INC.

Receive Dt: 20060228
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES INC.

Receive Dt: 20030218
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES, INC.

Receive Dt: 20020227
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES INC

Receive Dt: 20001012
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES, INC.

Receive Dt: 19990304
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES, INC.

Receive Dt: 19970123
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SVCS INC

Receive Dt: 19960901
Generator Code Description: Small Quantity Generator
Handler Name: GE ENGINE SVCS INC

Receive Dt: 19960229
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES - TEST CELL FACILITY

Receive Dt: 19920227
Generator Code Description: Small Quantity Generator
Handler Name: GE AIRCRAFT ENGINES ENGINE MAINTENANCE C

Receive Dt: 19900412
Generator Code Description: Large Quantity Generator
Handler Name: GENERAL ELECTRIC CO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	3 of 5	SSE	0.00 / 0.00	895.67 / -14	GE ENGINE SERVICES LLC 2264 E AVION ST ONTARIO CA 91710	SANBERN CUPA

Facility ID: FA0003387
Owner Info: GE AVIATION SERVICES
Mailing Care of: ACCNTS PAYABLE
Mailing Address 1: 2264 EAST AVION STREET
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0017389
Status: INACTIVE
Program Element Code: 4270
Permit Desc: EPCRA FACILITY
To: 7/31/2011

Permit ID: PT0020069
Status: INACTIVE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Element Code: 5415
Permit Desc: UW HANDLER WITH ANOTHER CUPA PERMIT
To: 7/31/2011

Permit ID: PT0006085
Status: INACTIVE
Program Element Code: 4411
Permit Desc: HAZARDOUS WASTE GENERATOR - 11-25 EMPLOYEES
To: 7/31/2011

Permit ID: PT0006086
Status: INACTIVE
Program Element Code: 4203
Permit Desc: HAZMAT HANDLER 11-25 EMPLOYEES (W/GEN PRMT)
To: 7/31/2011

Permit ID: PT0006084
Status: INACTIVE
Program Element Code: 4602
Permit Desc: CA ANNUAL FEE
To: 7/31/2010

Permit ID: PT0006087
Status: INACTIVE
Program Element Code: 4032
Permit Desc: APSA 10,001-100,000 GAL FAC CAPACITY
To: 7/31/2010

10	4 of 5	SSE	0.00 / 0.00	895.67 / -14	GENERAL ELECTRIC CO - JET ENGINE TEST CELL FACILITY 2264 E. AVION STREET ONTARIO CA 91761	CLEANUP SITES

Global ID: SL208133868
Status: OPEN - VERIFICATION MONITORING
Status Date: 2/5/2010
Site Facility Type: CLEANUP PROGRAM SITE
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download
Latitude: 34.047717
Longitude: -117.601186
County: SAN BERNARDINO

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 2081300
Local Case No: 36370024
Begin Date: 5/18/1990
File Location: Regional Board
Lead Agency: SANTA ANA RWQCB (REGION 8)
Local Agency:
Potential COC: Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Potential Media of Concern: Aquifer used for drinking water supply
How Discovered: * GOV
How Discovered Description:
Stop Description:
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
DWR GW Subbasin Name: Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community: Severely Disadvantaged Community
CalEnviroScreen Score: 96-100% (highest scores)
Site History:
Stop Method:
CUF Case: NO
Case Worker: AK

The Site has been operated by GE Engine Services as an aircraft engine facility since 1956. Chlorintaed solvents were used in the 1950s and 1960s. In early 1970s, 1,1,1-TCE replaced TCE. From 1981 to 1996, isopropyl alcohol was the only solvent used at the facility. Prior to 1974, some waste water flowed to the wash area along the north side of the facility. In 1974, two dry wells were constructed (Area A & B). Some waste water were discharged to dry wells. From 1980 until 2006, waste water were treated at the Site. Site investigations were completed between 1985 and 1998. On-ste and off-Site ground investigations were performed between 1994 and 1998. Another phase of off-Site GW investigation occured in 2001 and 2002. Another phase is scheduled for 2009. GW plume extend approximately in southwesterly direction to Grove Ave. On-Site soil remediation have been completed and GE is working with DTSC to complete the closure process in 2009.

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date: 2020-06-17 00:00:00
Action: Annual Estimation Letter

Action Type: ENFORCEMENT
Date: 2019-06-26 00:00:00
Action: Annual Estimation Letter

Action Type: ENFORCEMENT
Date: 2019-05-06 00:00:00
Action: Referral to Regional Board

Action Type: Other
Date: 1965-01-02 00:00:00
Action: Leak Reported

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Verification Monitoring
Status Date: 2010-02-05 00:00:00

Status: Open - Site Assessment
Status Date: 1990-05-18 00:00:00

Status: Open - Case Begin Date
Status Date: 1990-05-18 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: ALAN KUOCH
Phone No: 9517824962
Organization Name: SANTA ANA RWQCB (REGION 8)
Email: alan.kuoch@waterboards.ca.gov
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of May 29, 2021)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
File Location: REGIONAL BOARD
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC - Note: Also incl parts of 481.21 and 481.23 (R4).
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply - Note: Also incl parts of 481.21 and 481.23 (R4).
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL208133868
Cleanup Status Detail: OPEN - VERIFICATION MONITORING AS OF 2/5/2010
Potential COC: TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)
Potential Media of Concern: AQUIFER USED FOR DRINKING WATER SUPPLY
Groundwater Monitoring Frequen:
DWR GW Sub Basin: Upper Santa Ana Valley - Chino (8-002.01)
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 2081300
CASEWORKER: ALAN KUOCH
DEPARTMENT OF TOXIC SUBSTANCES CONTROL - CASE #: 36370024
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL208133868&tabname=regulatoryhistory
Facility Type:
WDR Place Type:
Wdr File No:
Wdr Order No:

Site History:

The Site has been operated by GE Engine Services as an aircraft engine facility since 1956. Chlorintaed solvents were used in the 1950s and 1960s. In early 1970s, 1,1,1-TCE replaced TCE. From 1981 to 1996, isopropyl alcohol was the only solvent used at the facility. Prior to 1974, some waste water flowed to the wash area along the north side of the facility. In 1974, two dry wells were constructed (Area A & B). Some waste water were discharged to dry wells. From 1980 until 2006, waste water were treated at the Site. Site investigations were completed between 1985 and 1998. On-ste and off-Site ground investigations were performed between 1994 and 1998. Another phase of off-Site GW investigation occured in 2001 and 2002. Another phase is scheduled for 2009. GW plume extend approximately in southwesterly direction to Grove Ave. On-Site soil remediation have been completed and GE is working with DTSC to complete the closure process in 2009.

Sites from GeoTracker Search - Regulatory Activities (as of May 29, 2021)

Action Type: Other Regulatory Actions
Action Date: 6/17/2020
Received Issue Date: 6/17/2020
Action: Annual Estimation Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL208133868&enforcement_id=6441017&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimation Letter 2020-2021

Action Type: Other Regulatory Actions
Action Date: 6/26/2019
Received Issue Date: 6/26/2019
Action: Annual Estimation Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL208133868&enforcement_id=6412087&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimation Letter 2019-2020

Action Type: Referral to Other Agency
Action Date: 5/6/2019
Received Issue Date: 5/6/2019
Action: Referral to Regional Board
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL208133868&enforcement_id=6402159&temptable=ENFORCEMENT
Title Description Comments:

DTSC Oversight Transfer Letter

Action Type: Leak Action
Action Date: 1/2/1965
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Sites from GeoTracker Search - Documents (as of May 29, 2021)

Document Type: Monitoring Reports ***Submitted:***
Document Date: 4/13/2021* ***Submitted By:*** PAUL DEUTSCH (AUTH_RP)
Size : 11,163 KB
Title: FIRST QUARTER 2021 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5940438032/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents ***Submitted:***
Document Date: 3/12/2021* ***Submitted By:*** PAUL DEUTSCH (AUTH_RP)
Size : 8,250 KB
Title: WORK PLAN FOR SOIL VAPOR AND GROUNDWATER INVESTIGATION AT UPGRADIENT AND CROSS-GRADIENT LOCATIONS

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3091113448/SL208133868.PDF
Type: SOIL AND WATER INVESTIGATION WORKPLAN

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/28/2021* **Submitted By:** PAUL DEUTSCH (AUTH_RP)
Size : 10,100 KB
Title: FOURTH QUARTER 2020 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5652184247/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 9/24/2020* **Submitted By:** PAUL DEUTSCH (AUTH_RP)
Size : 20,154 KB
Title: THIRD QUARTER 2020 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4313463687/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/9/2020* **Submitted By:** PAUL DEUTSCH (AUTH_RP)
Size : 9,992 KB
Title: SECOND QUARTER 2020 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2456768333/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 6/17/2020 **Submitted By:** PALOMA ABELL-OROZCO (REGULATOR)
Size :
Title: ANNUAL ESTIMATION LETTER 2020-2021
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL208133868&enforcement_id=6441017
Type: ANNUAL ESTIMATION LETTER

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/27/2020* **Submitted By:** PAUL DEUTSCH (AUTH_RP)
Size : 9,091 KB
Title: FIRST QUARTER 2020 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6931605458/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/27/2020 **Submitted By:** PAUL DEUTSCH (AUTH_RP)
Size : 10,766 KB
Title: FOURTH QUARTER 2019 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3062258243/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 11/5/2019 **Submitted By:** PAUL DEUTSCH (AUTH_RP)
Size : 36,431 KB
Title: CONCEPTUAL SITE MODEL
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4855364322/SL208133868.PDF
Type: CONCEPTUAL SITE MODEL

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/23/2019 **Submitted By:** PAUL DEUTSCH (AUTH_RP)
Size : 9,420 KB
Title: THIRD QUARTER 2019 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7164983928/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/29/2019 **Submitted By:** PAUL DEUTSCH (AUTH_RP)
Size : 12,862 KB
Title: SECOND QUARTER 2019 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1362698495/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 6/26/2019 **Submitted By:** ALAN KUOCH (REGULATOR)
Size :

Title: ANNUAL ESTIMATION LETTER 2019-2020
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL208133868&enforcement_id=6412087
Type: ANNUAL ESTIMATION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 5/6/2019 **Submitted By:** ALAN KUOCH (REGULATOR)
Size :
Title: DTSC OVERSIGHT TRANSFER LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL208133868&enforcement_id=6402159
Type: REFERRAL TO REGIONAL BOARD

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/27/2019 **Submitted By:** PAUL DEUTSCH (AUTH_RP)
Size : 8,916 KB
Title: FIRST QUARTER 2019 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6559258520/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/31/2019 **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 7,201 KB
Title: FOURTH QUARTER 2018 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4371441781/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/31/2018 **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 5,223 KB
Title: THIRD QUARTER 2018 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8185372412/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/31/2018 **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 7,041 KB
Title: SECOND QUARTER 2018 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3890213251/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/30/2018* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 5,935 KB
Title: FIRST QUARTER 2018 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5352905511/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/31/2018* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 4,607 KB
Title: FOURTH QUARTER 2017 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5796780526/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/31/2017* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 8,024 KB
Title: THIRD QUARTER 2017 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1162591755/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/31/2017* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 4,899 KB
Title: SECOND QUARTER 2017 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5538469314/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/28/2017 **Submitted By:** BRAD JANKE (AUTH_RP)

Size : 5,150 KB
Title: FIRST QUARTER 2017 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3843864142/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/26/2017* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 4,105 KB
Title: FOURTH QUARTER 2016 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1066137909/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/31/2016* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 4,032 KB
Title: THIRD QUARTER 2016 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5579429328/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/29/2016 **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 4,225 KB
Title: SECOND QUARTER 2016 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3797525763/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/21/2016* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 4,428 KB
Title: FIRST QUARTER 2016 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1021143317/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/22/2016 **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 5,154 KB
Title: FOURTH QUARTER 2015 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2234056472/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/28/2015* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 5,061 KB
Title: THIRD QUARTER 2015 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9014647066/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/30/2015* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 3,585 KB
Title: SECOND QUARTER 2015 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6013969182/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/30/2015* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 3,666 KB
Title: FIRST QUARTER 2015 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1991457104/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/15/2015* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 15,855 KB
Title: FOURTH QUARTER 2014 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2932716131/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**

Document Date: 10/31/2014* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 7,016 KB
Title: THIRD QUARTER 2014 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3642564892/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/31/2014* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 7,890 KB
Title: SECOND QUARTER 2014 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7772193670/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 6/10/2014* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 5,280 KB
Title: MONITORING WELL INSTALLATION AND DESTRUCTION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4160982251/SL208133868.PDF
Type: WELL INSTALLATION REPORT

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/30/2014 **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 8,437 KB
Title: FIRST QUARTER 2014 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4247290909/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/23/2014* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 7,158 KB
Title: FOURTH QUARTER 2013 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7537187099/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/30/2013* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 10,520 KB
Title: THIRD QUARTER 2013 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3744463086/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/29/2013* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 6,450 KB
Title: SECOND QUARTER 2013 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2880042374/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/29/2013* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 5,628 KB
Title: FIRST QUARTER 2013 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8360486865/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/31/2013* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 5,600 KB
Title: FOURTH QUARTER 2012 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8109043180/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/19/2012* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 6,760 KB
Title: THIRD QUARTER 2012 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4688312590/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/27/2012* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 8,717 KB
Title: SECOND QUARTER 2012 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3221906542/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/19/2012 **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 3,968 KB
Title: FIRST QUARTER 2012 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7409805238/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/24/2012* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 5,307 KB
Title: FOURTH QUARTER 2011 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6519963085/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/27/2011* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 3,662 KB
Title: THIRD QUARTER 2011 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8176314592/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/29/2011* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 3,661 KB
Title: SECOND QUARTER 2011 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9151453673/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/20/2011* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 8,324 KB
Title: FIRST QUARTER 2011 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3210984587/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 4/18/2011* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 2,284 KB
Title: ADDENDUM TO PROPOSAL FOR DESTRUCTION OF NONFUNCTIONING MONITORING WELLS AND INSTALLATION OF AN ADDITIONAL MONITORING WELL
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5309809386/SL208133868.PDF
Type: WELL DESTRUCTION WORKPLAN

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/25/2011* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 3,548 KB
Title: P:\PRJ2003REM\GE ENGINE SERVICES WR0873\QUARTERLY REPORTS\4TH QUARTER 2010 REPORT\GEOTRACKER\4Q2010 GW MON REPORT.PDF
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5655945777/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/27/2010* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 2,829 KB
Title: THIRD QUARTER 2010 GROUNDWATER MONITOR REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7940686821/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/21/2010* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 3,076 KB
Title: GE ENGINE SERVICES TEST CELL FACILITY, SECOND QUARTER 2010 GROUNDWATER MONITORING

REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2978349089/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/26/2010 **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 7,613 KB
Title: FIRST QUARTER 2010 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9581979334/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/21/2010* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 15,626 KB
Title: FOURTH QUARTER 2009 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2607835173/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 11/13/2009* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 3,094 KB
Title: MONITORING WELL INSTALLATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5659197151/SL208133868.PDF
Type: MONITORING REPORT - OTHER

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/20/2009* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 6,734 KB
Title: THIRD QUARTER 2009 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8519677579/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/30/2009* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 6,259 KB
Title: P:\PRJ2003REM\GE ENGINE SERVICES WR0873\QUARTERLY REPORTS\2ND QUARTER 2009 REPORTEPORT\GEOTRACKER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1641058683/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/10/2009 **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 10,682 KB
Title: FIRST QUARTER 2009 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5567244589/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/20/2009* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 14,395 KB
Title: 4Q 2008 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2499285638/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/22/2008* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 14,617 KB
Title: THIRD QUARTER 2008 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7326721668/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/24/2008* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 13,046 KB
Title: GEES ONTARIO 2Q08 GW MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2514281332/SL208133868.PDF
Type: MONITORING REPORT - SEMI-ANNUALLY

Document Type: Monitoring Reports **Submitted:**

Document Date: 4/28/2008* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 10,627 KB
Title: FIRST QUARTER 2008 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9639206409/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 2/4/2008* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 14,305 KB
Title: 4TH QUARTER 2007 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7652466297/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/30/2007* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 12,606 KB
Title: THIRD QUARTER 2007 GROUNDWATER MONITORING REPORT, GE ENGINE SERVICES TEST CELL FACILITY
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3533085703/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/24/2007* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 10,616 KB
Title: SECOND QUARTER 2007, GROUNDWATER MONITORING REPORT, GE ENGINE...
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1257555902/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/27/2007* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 6,038 KB
Title: FIRST QUARTER 2007, GROUNDWATER MONITORING REPORT, GE ENGINE SERVICES TEST CELL FACILITY, 2264 AVION PLACE, ONTARIO, CALIFORNIA_II
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7700607120/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/27/2007* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 9,143 KB
Title: FIRST QUARTER 2007, GROUNDWATER MONITORING REPORT, GE ENGINE SERVICES TEST CELL FACILITY, 2264 AVION PLACE, ONTARIO, CALIFORNIA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4522871255/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/29/2007* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 10,204 KB
Title: FOURTH QUARTER 2006, GROUNDWATER MONITORING REPORT, GE ENGINE SERVICES TEST CELL FACILITY, 2264 AVION PLACE, ONTARIO, CALIFORNIA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8059590220/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 11/1/2006* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 10,604 KB
Title: THIRD QUARTER 2006 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9869190812/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 5/3/2006* **Submitted By:** BRAD JANKE (AUTH_RP)
Size : 5,342 KB
Title: FIRST QUARTER 2006 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1251279532/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 2/7/2006* **Submitted By:** JAMEY ROSEN (AUTH_RP)
Size : 8,326 KB

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: FOURTH QUARTER 2005 GROUNDWATER MONITORING REPORT GE ENGINE SERVICES TEST CELL FACILITY
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1129743278/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports
Document Date: 7/29/2005
Size : 12,831 KB
Submitted:
Submitted By: JAMEY ROSEN (AUTH_RP)
Title: GW REPORT 2Q 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3985050797/SL208133868.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents
Document Date: 4/10/1992
Size : 48,718 KB
Submitted:
Submitted By: PAUL DEUTSCH (AUTH_RP)
Title: INFORMATION SEARCH (SOLVENT USE AND POTENTIAL RELEASES), ONTARIO INTERNATIONAL AIRPORT, SAN BERNARDINO COUNTY, CALIFORNIA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1956484317/SL208133868.PDF
Type: OTHER REPORT / DOCUMENT

Sites from GeoTracker Search - Site Maps (as of May 29, 2021)

Title: GEO_MAP
Size : 277 KB
Submitted By: JAMEY ROSEN (AUTH_RP)
Submitted: 6/21/2005
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3690793693/SL208133868.pdf

Sites from GeoTracker Search - Cleanup Status History (as of May 29, 2021)

Status: Open - Verification Monitoring
Date: 2/5/2010

Status: Open - Case Begin Date
Date: 5/18/1990

Status: Open - Site Assessment
Date: 5/18/1990

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	5 of 5	SSE	0.00 / 0.00	895.67 / -14	GE TEST CELL FACILITY 2264 E AVION ST ONTARIO CA 91761	LUST

Global ID: T0607100233
Status: COMPLETED - CASE CLOSED
Status Date: 3/1/2010
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites & Military UST Site from GeoTracker Project Search Results Export; LUST Cleanup Sites & Military UST Site from GeoTracker Cleanup Sites Data Download
County: SAN BERNARDINO
Latitude: 34.050565678
Longitude: -117.6080382

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083601881T
Local Case No: 95031
Begin Date: 1/20/1987
Lead Agency: SAN BERNARDINO COUNTY
Local Agency: SAN BERNARDINO COUNTY
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
DWR GW Subbasin Name: Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:
Calenviroscreen Score: 96-100% (highest scores)
Site History:
Potential COC: Diesel
How Discovered: Site Assessment/Site Investigation
Stop Method: Change Operating Procedures
Stop Description:
Case Worker: JC
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 3/1/2010
Action: Closure/No Further Action Letter

Action Type: RESPONSE
Date : 10/16/2009
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2/2/2008
Action: Notification - Fee Title Owners Notice

Action Type: REMEDIATION
Date : 5/1/1996
Action: Soil Vapor Extraction (SVE)

Action Type: ENFORCEMENT
Date : 9/19/1995
Action: File review

Action Type: Other
Date : 7/20/1995
Action: Leak Reported

Action Type: ENFORCEMENT
Date : 7/6/1995
Action: Notice of Responsibility

Action Type: Other
Date : 7/12/1990
Action: Leak Stopped

Action Type: Other
Date : 3/28/1988
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: JACKSON CRUTSINGER
City: SAN BERNARDINO
Organization Name: SAN BERNARDINO COUNTY
Address: 620 SOUTH E STREET
Email: jcrutsinger@sbcfire.org
Phone No:

Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
City: RIVERSIDE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
Email: carl.bernhardt@waterboards.ca.gov
Phone No: 9517824495

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 3/1/2010

Status: Open - Remediation
Status Date: 10/26/1996

Status: Open - Site Assessment
Status Date: 7/6/1995

Status: Open - Site Assessment
Status Date: 1/20/1987

Status: Open - Case Begin Date

Status Date: 1/20/1987

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: GE TEST CELL FACILITY
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: DIESEL
Facility Type:
Composting Method:
Address: 2264 E AVION ST
City: ONTARIO
Zip: 91761
County: SAN BERNARDINO
CUF Claim:
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC - Note: Also incl parts of 481.21 and 481.23 (R4).
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0607100233
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 3/1/2010
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0607100233&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Upper Santa Ana Valley - Chino (8-002.01)
Calwater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Post Closure Site Management:
Future Land Use: INDUSTRIAL
Cleanup Oversight Agencies: SAN BERNARDINO COUNTY (LEAD) - CASE #: 95031
CASEWORKER: JACKSON CRUTSINGER
SANTA ANA RWQCB (REGION 8) - CASE #: 083601881T
CASEWORKER: CARL BERNHARDT
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply - Note: Also incl parts of 481.21 and 481.23 (R4).
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 3/1/2010

Status: Open - Remediation
Date : 10/26/1996

Status: Open - Site Assessment
Date : 7/6/1995

Status: Open - Case Begin Date
Date : 1/20/1987

Status: Open - Site Assessment
Date : 1/20/1987

LUST Sites from GeoTracker Search - Cleanup Action Report (as of May 29, 2021)

Action Type: SOIL VAPOR EXTRACTION (SVE)
Phase: Other (See Description)
Contaminant Mass Removed:
Description:
Begin Date: 5/1/1996
End Date: 7/1/1999

LUST Sites from GeoTracker Search - Regulatory Activities (as of May 29, 2021)

Action Type: Other Regulatory Actions
Action Date: 3/1/2010

Received Issue Date: 3/1/2010
Action: Closure/No Further Action Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0607100233&enforcement_id=6045353&temptable=ENFORCEMENT
Title Description Comments:

RACC/Case Closure Summary

Action Type: Other Regulatory Actions
Action Date: 3/1/2010
Received Issue Date: 3/1/2010
Action: Closure/No Further Action Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0607100233&enforcement_id=6045354&temptable=ENFORCEMENT
Title Description Comments:

RACC/Case Closure Summary (2nd RP)

Action Type: Response Requested - Other
Action Date: 10/16/2009
Received Issue Date: 10/16/2009
Action: Other Report / Document
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0607100233&doc_id=5655290
Title Description Comments:

Independent Consultant Review

Action Type: Notices
Action Date: 2/2/2008
Received Issue Date: 2/2/2008
Action: Notification - Fee Title Owners Notice
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0607100233&enforcement_id=6033240&temptable=ENFORCEMENT
Title Description Comments:

Landowner Notification Requirements

Action Type: Other Regulatory Actions
Action Date: 9/19/1995
Received Issue Date: 9/19/1995
Action: File review
Doc Link:
Title Description Comments:

Regulatory review by RB

Action Type: Notices
Action Date: 7/6/1995
Received Issue Date: 7/6/1995
Action: Notice of Responsibility
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 5/1/1996
Received Issue Date:
Action: Soil Vapor Extraction (SVE)
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 7/20/1995
Received Issue Date:
Action: Leak Reported

Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 7/12/1990
Received Issue Date:
Action: Leak Stopped
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 3/28/1988
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Documents (as of May 29, 2021)

Document Type: Monitoring Reports ***Size :*** 15,853 KB
Document Date: 1/15/2015* ***Submitted By:*** BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Title: FOURTH QUARTER 2014 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4232530713/T0607100233.PDF

Document Type: Site Documents ***Size :***
Document Date: 3/1/2010 ***Submitted By:*** JACKSON CRUTSINGER (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Title: RACC/CASE CLOSURE SUMMARY (2ND RP)
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0607100233&enforcement_id=6045354

Document Type: Site Documents ***Size :***
Document Date: 3/1/2010 ***Submitted By:*** JACKSON CRUTSINGER (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Title: RACC/CASE CLOSURE SUMMARY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0607100233&enforcement_id=6045353

Document Type: Site Documents ***Size :*** 1,159 KB
Document Date: 2/15/2010 ***Submitted By:*** BRAD JANKE (AUTH_RP)
Type: WELL DESTRUCTION REPORT ***Submitted:***
Title: AREA J SOIL VAPOR EXTRACTION WELL DESTRUCTION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2502465665/T0607100233.PDF

Document Type: Site Documents ***Size :***
Document Date: 10/16/2009 ***Submitted By:*** JACKSON CRUTSINGER (REGULATOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: INDEPENDENT CONSULTANT REVIEW - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0607100233&document_id=5655290

Document Type: Site Documents ***Size :*** 8,201 KB
Document Date: 7/15/2009 ***Submitted By:*** BRAD JANKE (AUTH_RP)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: REVISED AREA J CONFIRMATION SOIL SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3785141468/T0607100233.PDF

Document Type: Site Documents ***Size :*** 6,200 KB
Document Date: 10/27/2008 ***Submitted By:*** BRAD JANKE (AUTH_RP)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: AREA J CONFIRMATION SOIL SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6368121087/T0607100233.PDF

Document Type: Monitoring Reports ***Size :*** 5,401 KB
Document Date: 4/16/2008 ***Submitted By:*** BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Title: QUARTERLY PROGRESS REPORT SECOND QTR 1999

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5876386880/T0607100233.PDF

Document Type: Monitoring Reports **Size :** 1,058 KB
Document Date: 4/9/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: QUARTERLY REPORT-FIRST QTR 2003 SOIL REMEDIATION AREA J (JANUARY 1 TO MARCH 30 2003) 30 APRIL 2003
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9728192985/T0607100233.PDF

Document Type: Monitoring Reports **Size :** 3,620 KB
Document Date: 4/3/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: QUARTERLY REPORT-FOURTH QTR 2002 SOIL REMEDIATION AREA J (OCTOBER 1 TO DECEMBER 31 2002) 30 JANUARY 2003
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3990405023/T0607100233.PDF

Document Type: Site Documents **Size :** 5,737 KB
Document Date: 4/3/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: REQUEST FOR CLOSURE IN VETS AREA J 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1941221475/T0607100233.PDF

Document Type: Monitoring Reports **Size :** 1,384 KB
Document Date: 4/3/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: QUARTERLY REPORT-FOURTH QTR 2003 SOIL REMEDIATION AREA J (OCTOBER 1 TO DECEMBER 31 2003) 29 JANUARY 2004
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1813038706/T0607100233.PDF

Document Type: Monitoring Reports **Size :** 1,058 KB
Document Date: 4/3/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: QUARTERLY REPORT-FIRST QTR 2003 SOIL REMEDIATION AREA J (JANUARY 1 TO MARCH 30 2003) 30 APRIL 2003
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9651783823/T0607100233.PDF

Document Type: Monitoring Reports **Size :** 1,532 KB
Document Date: 4/3/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: QUARTERLY REPORT-THIRD QTR 2003 SOIL REMEDIATION AREA J (JULY 1 TO SEPTEMBER 30 2003) 31 OCTOBER 2003
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3318205893/T0607100233.PDF

Document Type: Monitoring Reports **Size :** 2,927 KB
Document Date: 4/3/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: QUARTERLY PROGRESS REPORT AREA J THIRD QTR 2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1619873523/T0607100233.PDF

Document Type: Monitoring Reports **Size :** 1,532 KB
Document Date: 4/3/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: QUARTERLY REPORT-SECOND QTR 2003 SOIL REMEDIATION AREA J (APRIL 1 TO JUNE 30 2003) 30 JULY 2003
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8641604363/T0607100233.PDF

Document Type: Monitoring Reports **Size :** 2,200 KB
Document Date: 4/3/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: QUARTERLY PROGRESS REPORT FOURTH QTR 1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8504673838/T0607100233.PDF

Document Type: Monitoring Reports **Size :** 2,127 KB
Document Date: 3/18/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: QUARTERLY PROGRESS REPORT AREA J FOURTH QUATER 1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3246081292/T0607100233.PDF

Document Type: Site Documents **Size :** 2,922 KB

Document Date: 3/18/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Title: QUARTERLY REPORT-SECOND QTR 2002 SOIL REMEDIATION AREA J (APRIL 1 TO JUNE 31 2002) 31 JULY 2002
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8872303843/T0607100233.PDF

Document Type: Site Documents **Size :** 2,246 KB
Document Date: 3/18/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Title: QUARTERLY REPORT-THIRD QTR 2004 SOIL REMEDIATION AREA J (JULY 1 TO SEPTEMBER 30 2004) 31 OCTOBER 2004
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2416476190/T0607100233.PDF

Document Type: Site Documents **Size :** 180 KB
Document Date: 3/18/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: THIRD QTR REP 2001 LETTER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2987904191/T0607100233.PDF

Document Type: Site Documents **Size :** 158 KB
Document Date: 3/18/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: SECOND QTR REPORT 2001 SUMMARY LETTER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5158141195/T0607100233.PDF

Document Type: Site Documents **Size :** 1,865 KB
Document Date: 3/18/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Title: QUARTERLY REPORT-SECOND QTR 2004 SOIL REMEDIATION AREA J (APRIL 1 TO JUNE 30 2004) 31 JULY 2004
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3199295520/T0607100233.PDF

Document Type: Site Documents **Size :** 3,616 KB
Document Date: 3/18/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Title: QUARTERLY REPORT-FOURTH QTR 2002 SOIL REMEDIATION AREA J (OCTOBER 1 TO DECEMBER 31 2002) 30 JANUARY 2003
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4081852793/T0607100233.PDF

Document Type: Site Documents **Size :** 1,346 KB
Document Date: 3/18/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Title: QUARTERLY REPORT-FOURTH QTR 2004 SOIL REMEDIATION AREA J (OCTOBER 1 TO DECEMBER 31 2004) 31 JANUARY 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4359039783/T0607100233.PDF

Document Type: Site Documents **Size :** 73 KB
Document Date: 3/18/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: REPORTS - QUARTERLY STATUS REPORT **Submitted:**
Title: FOURTH QTR 2000 REPORT SUMMARY LETTER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4013050913/T0607100233.PDF

Document Type: Site Documents **Size :** 48 KB
Document Date: 3/18/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: REPORTS - QUARTERLY STATUS REPORT **Submitted:**
Title: FOURTH QTR REPORT SUMMARY LETTER 1996
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7261570811/T0607100233.PDF

Document Type: Site Documents **Size :** 6,859 KB
Document Date: 3/18/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Title: QUARTERLY REPORT-THIRD QTR 2002 SOIL REMEDIATION AREA J (JULY 1 TO SEPTEMBER 30 2002) 31 OCTOBER 2002
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3014408707/T0607100233.PDF

Document Type: Monitoring Reports **Size :** 2,946 KB
Document Date: 3/18/2008 **Submitted By:** BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: QUARTERLY PROGRESS REPORT AREA J THIRD QTR 1999

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6302658557/T0607100233.PDF

Document Type: Site Documents
Size : 2,289 KB
Document Date: 3/18/2008
Submitted By: BRAD JANKE (AUTH_RP)
Type: REPORTS - OTHER
Submitted:
Title: TRANSMITTAL SUBMITTED FOURTH QTR 2001 AREA J
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3538756430/T0607100233.PDF

Document Type: Monitoring Reports
Size : 2,187 KB
Document Date: 3/17/2008
Submitted By: BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY
Submitted:
Title: QUARTERLY PROGRESS REPORT THIRD QTR 1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4247471690/T0607100233.PDF

Document Type: Monitoring Reports
Size : 1,431 KB
Document Date: 3/17/2008
Submitted By: BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY
Submitted:
Title: QUARTERLY PROGRESS REPORT FIRST QTR 1999
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2054737925/T0607100233.PDF

Document Type: Monitoring Reports
Size : 76 KB
Document Date: 3/17/2008
Submitted By: BRAD JANKE (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY
Submitted:
Title: SECOND QUARTER REPORT 2001
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9160872519/T0607100233.PDF

Document Type: Site Documents
Size :
Document Date: 2/2/2008
Submitted By: JACKSON CRUTSINGER (REGULATOR)
Type: NOTIFICATION - FEE TITLE OWNERS NOTICE
Submitted:
Title: LANDOWNER NOTIFICATION REQUIREMENTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0607100233&enforcement_id=6033240

11	1 of 3	W	0.00 / 0.00	911.33 / 2	ENGINE MAINTENANCE CTR 1923 EAST AVION ST. ONTARIO CA 91761	ERNS

NRC Report No: 60091
Type of Incident: FIXED
Incident Cause: EQUIPMENT FAILURE
Incident Date: 02/18/91 08:00:00
Incident Location:
Incident Dtg: DISCOVERED
Distance from City:
Distance Units:
Direction from City:
Location County: SAN BERNARDINO
Potential Flag:
Year: Year 1991 Reports
Description of Incident: 1 55 GAL DRUM/ LEAKED

Latitude Degrees:
Latitude Minutes:
Latitude Seconds:
Longitude Degrees:
Longitude Minutes:
Longitude Seconds:
Lat Quad:
Long Quad:
Location Section:
Location Township:
Location Range:

Material Spill Information

Chris Code: UNK
CAS No:
UN No:
Name of Material: C 623 (60% PHOSPHORIC ACID)
Amount of Material: 2

Unit of Measure: GALLON(S)
If Reached Water: YES
Amount in Water: 0
Unit Reach Water: NONE

Calls Information

Date Time Received: 02/18/91 15:50:30
Date Time Complete: 02/18/91 15:55:10
Call Type: INC
Resp Company: GENERAL ELECTRIC COMPANY
Resp Org Type: PRIVATE ENTERPRISE

Responsible City: ONTARIO
Responsible State: CA
Responsible Zip: 91761
Source: UNAVAILABLE

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	UNKNOWN	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	CONTAINED SPILL AND CLEANED UP.	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
No Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	U	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Air Corridor Desc:		**Current Speed Unit:**	
Air Closure Time:		**EMPL Fatality:**	
Waterway Closed:	N	**Pass Fatality:**	
Waterway Desc:		**Community Impact:**	N
Waterway Close Time:		**Passengers Transfer:**	UNK
Road Closed:	N	**Passenger Injuries:**	
Road Desc:		**Employee Injuries:**	
Road Closure Time:		**Occupant Fatality:**	
Road Closure Units:		**Sheen Size:**	
Closure Direction:		**Sheen Size Units:**	
Major Artery:	No	**Sheen Size Length:**	
Track Closed:	N	**Sheen Size Length U:**	
Track Desc:		**Sheen Size Width:**	
Track Closure Time:		**Sheen Size Width U:**	
Track Closure Units:		**Sheen Color:**	
Track Close Dir:		**Dir of Sheen Travel:**	
Media Interest:		**Sheen Odor Desc:**	
Medium Desc:	LAND	**Duration Unit:**	
Addl Medium Info:	CONCRETE FLOOR	**Additional Info:**	SPILL AREA WAS 4 BY 5 FEET.

11	2 of 3	W	0.00 / 0.00	911.33 / 2	ENGINE MAINTENANCE CTR 1923 EAST AVION ST. ONTARIO CA 91761	ERNS

NRC Report No:	73569	**Latitude Degrees:**	
Type of Incident:	FIXED	**Latitude Minutes:**	
Incident Cause:	OPERATOR ERROR	**Latitude Seconds:**	
Incident Date:	05/28/91 08:00:00	**Longitude Degrees:**	
Incident Location:		**Longitude Minutes:**	
Incident Dtg:	OCCURRED	**Longitude Seconds:**	
Distance from City:		**Lat Quad:**	
Distance Units:		**Long Quad:**	
Direction from City:		**Location Section:**	
Location County:	SAN BERNARDINO	**Location Township:**	
Potential Flag:		**Location Range:**	
Year:	Year 1991 Reports		

Description of Incident: CLEANING LINE SUMP / WORKERS ACCIDENTLY DISCHARGE THE PRODUCT INTO SUMP

Material Spill Information

Chris Code:	PAC	**Unit of Measure:**	GALLON(S)
CAS No:		**If Reached Water:**	YES
UN No:		**Amount in Water:**	0
Name of Material:	PHOSPHORIC ACID	**Unit Reach Water:**	NONE
Amount of Material:	100		

Calls Information

Date Time Received:	05/28/91 18:32:06	**Responsible City:**	ONTARIO
Date Time Complete:	05/28/91 18:38:37	**Responsible State:**	CA
Call Type:	INC	**Responsible Zip:**	91761
Resp Company:	GENERAL ELECTRIC COMPANY	**Source:**	UNAVAILABLE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		**Building ID:**	
Tank Regulated:	U	**Location Area ID:**	
Tank Regulated By:		**Location Block ID:**	
Capacity of Tank:		**OCSG No:**	
Capacity Tank Units:		**OCSP No:**	
Description of Tank:		**State Lease No:**	
Actual Amount:		**Pier Dock No:**	
Actual Amount Units:		**Berth Slip No:**	

Tank Above Ground:	ABOVE	**Brake Failure:**	N
NPDES:		**Airbag Deployed:**	
NPDES Compliance:	U	**Transport Contain:**	U
Init Contin Rel No:		**Location Subdiv:**	
Contin Rel Permit:		**Platform Rig Name:**	
Contin Release Type:		**Platform Letter:**	
Aircraft ID:		**Allision:**	N
Aircraft Runway No:		**Type of Structure:**	
Aircraft Spot No:		**Structure Name:**	
Aircraft Type:	UNKNOWN	**Structure Oper:**	Y
Aircraft Model:		**Transit Bus Flag:**	
Aircraft Fuel Cap:		**Date Time Norm Serv:**	
Aircraft Fuel Cap U:		**Serv Disrupt Time:**	
Aircraft Fuel on Brd:		**Serv Disrupt Units:**	
Aircraft Fuel OB U:		**CR Begin Date:**	
Aircraft Hanger:		**CR End Date:**	
Road Mile Marker:		**CR Change Date:**	
Power Gen Facility:	U	**FBI Contact:**	
Generating Capacity:		**FBI Contact Dt Tm:**	
Type of Fixed Obj:	UNKNOWN	**Passenger Handling:**	
Type of Fuel:		**Passenger Route:**	XXX
DOT Crossing No:		**Passenger Delay:**	XXX
DOT Regulated:	U	**Sub Part C Test Req:**	XXX
Pipeline Type:	UNKNOWN	**Conductor Test:**	
Pipeline Abv Ground:	ABOVE	**Engineer Test:**	
Pipeline Covered:	U	**Trainman Test:**	
Exposed Underwater:	U	**Yard Foreman Test:**	
Railroad Hotline:	No	**RCL Operator Test:**	
Railroad Milepost:	UNKNOWN	**Brakeman Test:**	
Grade Crossing:	N	**Train Dispat Test:**	
Crossing Device Ty:		**Signalman Test:**	
Ty Vehicle Involved:	UNKNOWN	**Oth Employee Test:**	
Device Operational:	Y	**Unknown Test:**	

Incident Details Information

Release Secured:	U	**State Agen Report No:**	
Release Rate:		**State Agen on Scene:**	
Release Rate Unit:		**State Agen Notified:**	
Release Rate Rate:		**Fed Agency Notified:**	
Est Duration of Rel:		**Oth Agency Notified:**	
Desc Remedial Act:	CONTAINED ON SITE WATER TREATMENT FACILITY AND HOLDING TANK, PRODUCTNUETRALIZED WITH CAUSTIC SODA	**Body of Water:**	
Fire Involved:	N	**Tributary of:**	
Fire Extinguished:	U	**Near River Mile Make:**	
Any Evacuations:	N	**Near River Mile Mark:**	
No Evacuated:		**Offshore:**	N
Who Evacuated:		**Weather Conditions:**	
Radius of Evacu:		**Air Temperature:**	
Any Injuries:	U	**Wind Direction:**	
No. Injured:		**Wind Speed:**	
No. Hospitalized:		**Wind Speed Unit:**	
No. Fatalities:		**Water Supp Contam:**	U
Any Fatalities:	U	**Water Temperature:**	
Any Damages:	N	**Wave Condition:**	
Damage Amount:		**Current Speed:**	
Air Corridor Closed:	N	**Current Direction:**	
Air Corridor Desc:		**Current Speed Unit:**	
Air Closure Time:		**EMPL Fatality:**	
Waterway Closed:	N	**Pass Fatality:**	
Waterway Desc:		**Community Impact:**	N
Waterway Close Time:		**Passengers Transfer:**	UNK
Road Closed:	N	**Passenger Injuries:**	
Road Desc:		**Employee Injuries:**	
Road Closure Time:		**Occupant Fatality:**	
Road Closure Units:		**Sheen Size:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Closure Direction:		**Sheen Size Units:**	
Major Artery:	No	**Sheen Size Length:**	
Track Closed:	N	**Sheen Size Length U:**	
Track Desc:		**Sheen Size Width:**	
Track Closure Time:		**Sheen Size Width U:**	
Track Closure Units:		**Sheen Color:**	
Track Close Dir:		**Dir of Sheen Travel:**	
Media Interest:		**Sheen Odor Desc:**	
Medium Desc:	UNKNOWN	**Duration Unit:**	
Addl Medium Info:	ON SITE WATER TREATMENT FACILITY	**Additional Info:**	HAS NOTIFIED OESWATER NORMALLY NUETRALIZED FOR PROCESSING

11	3 of 3	W	0.00 / 0.00	911.33 / 2	ENGINE MAINTENANCE CTR 1923 EAST AVION ST. ONTARIO CA 91761	ERNS

NRC Report No:	57579	**Latitude Degrees:**	
Type of Incident:	FIXED	**Latitude Minutes:**	
Incident Cause:	EQUIPMENT FAILURE	**Latitude Seconds:**	
Incident Date:	01/31/91 23:00:00	**Longitude Degrees:**	
Incident Location:		**Longitude Minutes:**	
Incident Dtg:	OCCURRED	**Longitude Seconds:**	
Distance from City:		**Lat Quad:**	
Distance Units:		**Long Quad:**	
Direction from City:		**Location Section:**	
Location County:	SAN BERNARDINO	**Location Township:**	
Potential Flag:		**Location Range:**	
Year:	Year 1991 Reports		
Description of Incident:	TANK/ OVERFLOW DUE TO COMPRESSOR FAILURE ON FLOW LINES		

Material Spill Information

Chris Code:	SHD	**Unit of Measure:**	GALLON(S)
CAS No:		**If Reached Water:**	YES
UN No:		**Amount in Water:**	0
Name of Material:	SODIUM HYDROXIDE	**Unit Reach Water:**	NONE
Amount of Material:	80		
Chris Code:	NCC	**Unit of Measure:**	GALLON(S)
CAS No:		**If Reached Water:**	YES
UN No:		**Amount in Water:**	0
Name of Material:	WATER	**Unit Reach Water:**	NONE
Amount of Material:	80		

Calls Information

Date Time Received:	02/01/91 13:21:31	**Responsible City:**	ONTARIO
Date Time Complete:	02/01/91 13:26:15	**Responsible State:**	CA
Call Type:	INC	**Responsible Zip:**	91761
Resp Company:	GENERAL ELECTRIC COMPANY	**Source:**	UNAVAILABLE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		**Building ID:**	
Tank Regulated:	U	**Location Area ID:**	
Tank Regulated By:		**Location Block ID:**	
Capacity of Tank:		**OCSG No:**	
Capacity Tank Units:		**OCSP No:**	
Description of Tank:		**State Lease No:**	
Actual Amount:		**Pier Dock No:**	
Actual Amount Units:		**Berth Slip No:**	
Tank Above Ground:	ABOVE	**Brake Failure:**	N
NPDES:		**Airbag Deployed:**	
NPDES Compliance:	U	**Transport Contain:**	U

Init Contin Rel No:		**Location Subdiv:**	
Contin Rel Permit:		**Platform Rig Name:**	
Contin Release Type:		**Platform Letter:**	
Aircraft ID:		**Allision:**	N
Aircraft Runway No:		**Type of Structure:**	
Aircraft Spot No:		**Structure Name:**	
Aircraft Type:	UNKNOWN	**Structure Oper:**	Y
Aircraft Model:		**Transit Bus Flag:**	
Aircraft Fuel Cap:		**Date Time Norm Serv:**	
Aircraft Fuel Cap U:		**Serv Disrupt Time:**	
Aircraft Fuel on Brd:		**Serv Disrupt Units:**	
Aircraft Fuel OB U:		**CR Begin Date:**	
Aircraft Hanger:		**CR End Date:**	
Road Mile Marker:		**CR Change Date:**	
Power Gen Facility:	U	**FBI Contact:**	
Generating Capacity:		**FBI Contact Dt Tm:**	
Type of Fixed Obj:	UNKNOWN	**Passenger Handling:**	
Type of Fuel:		**Passenger Route:**	XXX
DOT Crossing No:		**Passenger Delay:**	XXX
DOT Regulated:	U	**Sub Part C Test Req:**	XXX
Pipeline Type:	UNKNOWN	**Conductor Test:**	
Pipeline Abv Ground:	ABOVE	**Engineer Test:**	
Pipeline Covered:	U	**Trainman Test:**	
Exposed Underwater:	U	**Yard Foreman Test:**	
Railroad Hotline:	No	**RCL Operator Test:**	
Railroad Milepost:	UNKNOWN	**Brakeman Test:**	
Grade Crossing:	N	**Train Dispat Test:**	
Crossing Device Ty:		**Signalman Test:**	
Ty Vehicle Involved:	UNKNOWN	**Oth Employee Test:**	
Device Operational:	Y	**Unknown Test:**	

Incident Details Information

Release Secured:		**State Agen Report No:**	
Release Rate:		**State Agen on Scene:**	
Release Rate Unit:		**State Agen Notified:**	
Release Rate Rate:		**Fed Agency Notified:**	
Est Duration of Rel:		**Oth Agency Notified:**	
Desc Remedial Act:	MATERIAL WAS CONTAINED ON FACILITY AND IS BEING PUMPED INTO BARRELS	**Body of Water:**	
Fire Involved:	N	**Tributary of:**	
Fire Extinguished:		**Near River Mile Make:**	
Any Evacuations:	N	**Near River Mile Mark:**	
No Evacuated:		**Offshore:**	
Who Evacuated:		**Weather Conditions:**	
Radius of Evacu:		**Air Temperature:**	
Any Injuries:	U	**Wind Direction:**	
No. Injured:		**Wind Speed:**	
No. Hospitalized:		**Wind Speed Unit:**	
No. Fatalities:		**Water Supp Contam:**	
Any Fatalities:	U	**Water Temperature:**	
Any Damages:	N	**Wave Condition:**	
Damage Amount:		**Current Speed:**	
Air Corridor Closed:		**Current Direction:**	
Air Corridor Desc:		**Current Speed Unit:**	
Air Closure Time:		**EMPL Fatality:**	
Waterway Closed:		**Pass Fatality:**	
Waterway Desc:		**Community Impact:**	
Waterway Close Time:		**Passengers Transfer:**	UNK
Road Closed:		**Passenger Injuries:**	
Road Desc:		**Employee Injuries:**	
Road Closure Time:		**Occupant Fatality:**	
Road Closure Units:		**Sheen Size:**	
Closure Direction:		**Sheen Size Units:**	
Major Artery:		**Sheen Size Length:**	
Track Closed:		**Sheen Size Length U:**	
Track Desc:		**Sheen Size Width:**	
Track Closure Time:		**Sheen Size Width U:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Track Closure Units:
Track Close Dir:
Media Interest:
Medium Desc: UNKNOWN
Addl Medium Info: CONCRETE CONTAINMENT
Sheen Color:
Dir of Sheen Travel:
Sheen Odor Desc:
Duration Unit:
Additional Info:

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12 | **1 of 1** | **WSW** | **0.00 / 0.00** | **905.29 / -4** | **GENERAL ELECTRIC, MAIN FACILITY**
1923 E. AVION STREET
ONTARIO CA 91761 | **ENVIROSTOR**

Estor/EPA ID: 71002298
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6071001600
Site Type: TIERED PERMIT
Address Description: 1923 E. AVION STREET
Office: CLEANUP CYPRESS
Special Program:
Funding:
Assembly District: 52
Senate District: 20
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: SAN BERNARDINO
Latitude: 34.0503426
Longitude: -117.608404
Acres: NONE SPECIFIED
Supervisor:
Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Status: INACTIVE - NEEDS EVALUATION
A2 Program Type: TIERED PERMIT
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002298

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13 | **1 of 1** | **SSE** | **0.00 / 0.00** | **894.54 / -15** | **LOCKHEED AIR TERMINALNA INC.**
AVION BLVD
ONTARIO CA 91761 | **FINDS/FRS**

Registry ID: 110065220273
FIPS Code:
HUC Code: 18070203
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-OCT-15
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 43
Census Block Code: 060710016002036
EPA Region Code: 09
County Name: SAN BERNARDINO COUNT
US/Mexico Border Ind:
Latitude: 34.04805

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Longitude: -117.60216
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065220273
Program Acronyms:

CA-ENVIROVIEW:250135

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	1 of 3	ESE	0.01 / 68.69	893.05 / -16	G E ENGINE SERVICES INC 2264 E. AVION ST ONTARIO CA 91761	AST

Total Capacity(Gal): 93,500
Owner Name: G E ENGINE SERVICES INC
CUPA: San Bernardino
County: San Bernardino

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	2 of 3	ESE	0.01 / 68.69	893.05 / -16	GE TEST CELL FACILITY 2264 E AVION ST ONTARIO CA 91761	FINDS/FRS

Registry ID: 110066490381
FIPS Code:
HUC Code: 18070203
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 14-OCT-15
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 43
Census Block Code: 060710016002038
EPA Region Code: 09
County Name: SAN BERNARDINO COUNT
US/Mexico Border Ind:
Latitude: 34.048384
Longitude: -117.602154
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066490381
Program Acronyms:

CA-ENVIROVIEW:196748

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	3 of 3	ESE	0.01 / 68.69	893.05 / -16	GE ENGINE SERVICES LLC W COAST OPS 2264 E AVION ST ONTARIO CA 91761	FINDS/FRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Registry ID:	110070752344
FIPS Code:	06071
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	07-MAY-20
Update Date:	
Interest Types:	HAZARDOUS WASTE BIENNIAL REPORTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	
Census Block Code:	
EPA Region Code:	09
County Name:	SAN BERNARDINO
US/Mexico Border Ind:	
Latitude:	
Longitude:	
Reference Point:	
Coord Collection Method:	
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070752344
Program Acronyms:	

BR:CAD981375124

15	1 of 1	WNW	0.05 / 267.05	915.52 / 6	AMERICAN L A FRANCE WITH L A 1049 VINEYARD AVE ONTARIO CA 91761	RCRA SQG

EPA Handler ID:	CAR000071605
Gen Status Universe:	Small Quantity Generator
Contact Name:	JOSEPH VERRILL
Contact Address:	1049 VINEYARD AVE , , ONTARIO , CA, 91761 , US
Contact Phone No and Ext:	909-606-9100
Contact Email:	
Contact Country:	US
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	Private
Receive Date:	20000420
Location Latitude:	34.051769
Location Longitude:	-117.610894

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No

Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20000420
Handler Name:	AMERICAN L A FRANCE WITH L A
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	D000
Waste Code Description:	DESCRIPTION
Hazardous Waste Code:	D039
Waste Code Description:	TETRACHLOROETHYLENE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	2429 S PECK RD
Name:	LOS ANGELES TRUCK CENTER LLC	***Street 2:***	
Date Became Current:		***City:***	WHITTIER
Date Ended Current:		***State:***	CA
Phone:	562-447-1200	***Country:***	
Source Type:	Notification	***Zip Code:***	90601-4621

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	*1 of 16*	*W*	*0.06 / 305.26*	*908.96 / 0*	***GENERAL ELECTRIC AVIATION SERVS OPS 1923 E AVION ST ONTARIO CA 91761***	***CERCLIS***

Site ID:	0901222	***RNPL Status Code:***	N
Site EPA ID:	CAD009542721	***NPL Status:***	Not on the NPL
Site Street Address 2:		***RFED Facility Code:***	N
Site County Name:	SAN BERNARDINO	***RFED Facility Desc:***	Not a Federal Facility
Site FIPS Code:	06071	***USGS Hydro Unit No.:***	18070203
Region Code:	09	***Site Cong. Dist. Code:***	35
Site SMSA No.:	6780	***ROT Desc:***	Unknown
Site Prim. Latitude:	34D03M07S	***FR NPL Update No.:***	
Site Prim. Longitude:	117D36M22S	***RFRA Code:***	
Lat Long Source:			
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	PA	***Act Complete Date:***	11/14/1988 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	

RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	
Act Code ID:		***Act Start Date:***	
RAT Code:		***Act Complete Date:***	
RAT Short Name:		***AGT Order No.:***	0
RAT Name:		***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:		***SH Seq:***	
RAT Level:		***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:			

RAT Def:
Site Desc: No description available
.
Site Alias: No alias data available

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA In-House
Act Code ID:	001	***Act Start Date:***	
RAT Code:	VS	***Act Complete Date:***	11/14/1988 00:00:00
RAT Short Name:	ARCH SITE	***AGT Order No.:***	1500
RAT Name:	ARCHIVE SITE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The decision is made that no further activity is planned at the site.
Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	7/1/1980 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:
Site Alias:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	State (Fund)
Act Code ID:	002	***Act Start Date:***	3/1/1985 00:00:00
RAT Code:	PA	***Act Complete Date:***	7/1/1985 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:

Site Alias:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	2 of 16	W	0.06 / 305.26	908.96 / 0	***GENERAL ELECTRIC AVIATION SERVS OPS 1923 E AVION ST ONTARIO CA 91761***	***CERCLIS NFRAP***

Site ID:	901222	***Site FIPS Code:***	6071
Site EPA ID:	CAD009542721	***Region Code:***	9
Site Parent ID:		***Site Cong. Dist. Code:***	35
Site County Name:	SAN BERNARDINO	***Federal Facility:***	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	3/1/1985
Act Code ID:	2	***Act Complete Date:***	7/1/1985
RAT Code:	PA	***AGT Order No.:***	130
RAT Short Name:	PA	***SH OU:***	
RAT Name:	PRELIMINARY ASSESSMENT	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:	P	***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	Low priority
RALT Short Name:	State (Fund)	***RNPL Status Code:***	N

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	11/14/1988
RAT Code:	PA	***AGT Order No.:***	130
RAT Short Name:	PA	***SH OU:***	
RAT Name:	PRELIMINARY ASSESSMENT	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:	P	***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	NFRAP
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	11/14/1988
RAT Code:	VS	***AGT Order No.:***	1500
RAT Short Name:	ARCH SITE	***SH OU:***	
RAT Name:	ARCHIVE SITE	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA In-House	***RNPL Status Code:***	N
RAT Def:	The decision is made that no further activity is planned at the site.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	7/1/1980
RAT Code:	DS	***AGT Order No.:***	10
RAT Short Name:	DISCVRY	***SH OU:***	
RAT Name:	DISCOVERY	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N
RAT Def:	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

16	***3 of 16***	***W***	***0.06 / 305.26***	***908.96 / 0***	***GE ENGINE SERVICES INC.*** ***1923 E AVION ST*** ***ONTARIO CA 91761***	***RCRA NON GEN***

EPA Handler ID:	CAD009542721
Gen Status Universe:	No Report
Contact Name:	TAMI NORWOOD
Contact Address:	PO BOX 797 , , ARKANSAS CITY , KS, 67005 , US
Contact Phone No and Ext:	620-442-3600 4331
Contact Email:	
Contact Country:	US
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	Municipal
Receive Date:	20071116
Location Latitude:	34.050989
Location Longitude:	-117.610066

Violation/Evaluation Summary

Note:	VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jun, 2021.

Violation Details

Found Violation:	Yes
Citation:	
Violation Short Description:	Generators - General
Violation Type:	262.A

Violation Determined Date: 20051006
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20051209
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20051006
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.140-150.H
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19921201
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19921215
Violation Responsible Agency: EPA

Violation Details

Found Violation: Yes
Citation: FR - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19900427
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19900909
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 19900605
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 5500
Paid Amount: 5500

Violation Details

Found Violation: Yes
Citation: FR - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19880510
Scheduled Compliance Date: 19880615
Return to Compliance: Observed

Actual Return to Compl: 19880628
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19880523
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20060928
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: Local

Evaluation Start Date: 20051006
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 20051209
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 19920514
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 19921215
Evaluation Agency: EPA Contractor/Grantee

Evaluation Start Date: 19900427
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: TSD - General
Return to Compliance Date: 19900909
Evaluation Agency: State

Evaluation Start Date: 19880519
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19880510
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: TSD - General
Return to Compliance Date: 19880628
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No

Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900412
Handler Name: GENERAL ELECTRIC ONTARIO AIRPORT
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920227
Handler Name: GE AIRCRAFT ENGINES ENGINE MAINTENANCE C
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19940304
Handler Name: GE ENGINE SERVICES INC
Source Type: Implementer
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19940331
Handler Name: GE ENGINE SERVICES/ W COAST OPERATIONS
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 19960229
Handler Name: GE ENGINE SERVICES - WEST COAST OPERATIO
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19970123
Handler Name: GE ENGINE SERVICES INC
Source Type: Notification
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 19990304
Handler Name: GE ENGINE SERVICES, INC.
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20001012
Handler Name: GE ENGINEE SERVICES, INC.
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20020227
Handler Name: GE ENGINE SERVICES INC
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20040218
Handler Name: GE ENGINE SERVICES, INC.
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON

STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Handler Details

Sequence No: 9
Receive Date: 20060228
Handler Name: GE ENGINE SERVICES INC.
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE

SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20071116
Handler Name: GE ENGINE SERVICES INC.
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	GE COMPANY	***Street 2:***	
Date Became Current:	19550101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	1923 E AVION ST
Name:	GE ENGINE SERVICES INC	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	909-986-6731	***Country:***	
Source Type:	Notification	***Zip Code:***	91761
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Municipal	***Street 1:***	1 NEUMANN WAY
Name:	CITY OF LOS ANGELES	***Street 2:***	
Date Became Current:	19530101	***City:***	CINCINNATI
Date Ended Current:		***State:***	OH
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	45215
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Municipal	***Street 1:***	1 NEUMANN WAY
Name:	CITY OF LOS ANGELES	***Street 2:***	
Date Became Current:	19530101	***City:***	CINCINNATI
Date Ended Current:		***State:***	OH
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	45215
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	I-75 & NEUMANN WAY
Name:	GENERAL ELECTRIC COMPANY	***Street 2:***	

Date Became Current:		**City:**	CITY NOT REPORTED
Date Ended Current:		**State:**	OH
Phone:	513-243-5194	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GE COMPANY	**Street 2:**	
Date Became Current:	19550101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	

Historical Handler Details

Receive Dt:	20060228
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC.
Receive Dt:	20040218
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES, INC.
Receive Dt:	20020227
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC
Receive Dt:	20001012
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINEE SERVICES, INC.
Receive Dt:	19990304
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES, INC.
Receive Dt:	19970123
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC
Receive Dt:	19960229
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES - WEST COAST OPERATIO
Receive Dt:	19940331
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES/ W COAST OPERATIONS
Receive Dt:	19940304
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC
Receive Dt:	19920227
Generator Code Description:	Large Quantity Generator
Handler Name:	GE AIRCRAFT ENGINES ENGINE MAINTENANCE C
Receive Dt:	19900412
Generator Code Description:	Large Quantity Generator
Handler Name:	GENERAL ELECTRIC ONTARIO AIRPORT

16	4 of 16	W	0.06 / 305.26	908.96 / 0	**GE ENGINE SERVICES INC.** **1923 E AVION ST** **ONTARIO CA 91761**	RCRA TSD

EPA Handler ID:	CAD009542721
Gen Status Universe:	No Report
Contact Name:	TAMI NORWOOD
Contact Address:	PO BOX 797 , , ARKANSAS CITY , KS, 67005 , US

Contact Phone No and Ext: 620-442-3600 4331
Contact Email:
Contact Country: US
Land Type: Municipal
County Name: SAN BERNARDINO
EPA Region: 09
Receive Date: 20071116
Location Latitude: 34.050989
Location Longitude: -117.610066

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jun, 2021.

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20051006
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20051209
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20051006
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.140-150.H
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19921201
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19921215
Violation Responsible Agency: EPA

Violation Details

Found Violation: Yes
Citation: FR - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19900427
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19900909
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 19900605
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 5500
Paid Amount: 5500

Violation Details

Found Violation: Yes
Citation: FR - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19880510
Scheduled Compliance Date: 19880615
Return to Compliance: Observed
Actual Return to Compl: 19880628
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19880523
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20060928
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: Local

Evaluation Start Date: 20051006
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 20051209
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 19920514
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 19921215
Evaluation Agency: EPA Contractor/Grantee

Evaluation Start Date: 19900427
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: TSD - General
Return to Compliance Date: 19900909
Evaluation Agency: State

Evaluation Start Date: 19880519
Evaluation Type Description: FINANCIAL RECORD REVIEW

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19880510
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: TSD - General
Return to Compliance Date: 19880628
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900412
Handler Name: GENERAL ELECTRIC ONTARIO AIRPORT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920227
Handler Name: GE AIRCRAFT ENGINES ENGINE MAINTENANCE C
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19940304
Handler Name: GE ENGINE SERVICES INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19940331
Handler Name: GE ENGINE SERVICES/ W COAST OPERATIONS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 19960229
Handler Name: GE ENGINE SERVICES - WEST COAST OPERATIO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19970123
Handler Name: GE ENGINE SERVICES INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 19990304
Handler Name: GE ENGINE SERVICES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20001012
Handler Name: GE ENGINEE SERVICES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20020227
Handler Name: GE ENGINE SERVICES INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20040218
Handler Name: GE ENGINE SERVICES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002

Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Handler Details

Sequence No: 9
Receive Date: 20060228
Handler Name: GE ENGINE SERVICES INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001

Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20071116
Handler Name: GE ENGINE SERVICES INC.
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: GENERAL ELECTRIC COMPANY
Date Became Current:
Date Ended Current:
Phone: 513-243-5194
Source Type: Implementer
Street No:
Street 1: I-75 & NEUMANN WAY
Street 2:
City: CITY NOT REPORTED
State: OH
Country:
Zip Code: 99999

Owner/Operator Ind: Current Owner
Type: Municipal
Name: CITY OF LOS ANGELES
Street No:
Street 1: 1 NEUMANN WAY
Street 2:

Date Became Current:	19530101	**City:**	CINCINNATI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	45215
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GE COMPANY	**Street 2:**	
Date Became Current:	19550101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	1923 E AVION ST
Name:	GE ENGINE SERVICES INC	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-986-6731	**Country:**	
Source Type:	Notification	**Zip Code:**	91761
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GE COMPANY	**Street 2:**	
Date Became Current:	19550101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Municipal	**Street 1:**	1 NEUMANN WAY
Name:	CITY OF LOS ANGELES	**Street 2:**	
Date Became Current:	19530101	**City:**	CINCINNATI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	45215

Historical Handler Details

Receive Dt:	20060228
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC.
Receive Dt:	20040218
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES, INC.
Receive Dt:	20020227
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC
Receive Dt:	20001012
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINEE SERVICES, INC.
Receive Dt:	19990304
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES, INC.
Receive Dt:	19970123
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC
Receive Dt:	19960229
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES - WEST COAST OPERATIO
Receive Dt:	19940331

Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES/ W COAST OPERATIONS

Receive Dt: 19940304
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES INC

Receive Dt: 19920227
Generator Code Description: Large Quantity Generator
Handler Name: GE AIRCRAFT ENGINES ENGINE MAINTENANCE C

Receive Dt: 19900412
Generator Code Description: Large Quantity Generator
Handler Name: GENERAL ELECTRIC ONTARIO AIRPORT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	5 of 16	W	0.06 / 305.26	908.96 / 0	GE ENGINE SERVICES INC. 1923 E AVION ST ONTARIO CA 91761	RCRA CORRACTS

EPA Handler ID: CAD009542721
Gen Status Universe: No Report
Contact Name: TAMI NORWOOD
Contact Address: PO BOX 797 , , ARKANSAS CITY , KS, 67005 , US
Contact Phone No and Ext: 620-442-3600 4331
Contact Email:
Contact Country: US
County Name: SAN BERNARDINO
EPA Region: 09
Land Type: Municipal
Receive Date: 20071116
Location Latitude: 34.050989
Location Longitude: -117.610066

Event/Area Details

Area Name: SOILS
Event Code: CA200
Corrective Action Event Descri: INVESTIGATION COMPLETE
Actual Date of Event: 19900601
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19900601
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: SOILS
Event Code: CA350
Corrective Action Event Descri: CMS COMPLETE
Actual Date of Event: 19930630
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19930630
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: SOILS
Event Code: CA200
Corrective Action Event Descri: INVESTIGATION COMPLETE
Actual Date of Event: 19930630
Orig Sched Event Date:
New Sched Event Date:

Best Date: 19930630
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA550RC
Corrective Action Event Descri: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date of Event: 19961009
Orig Sched Event Date: 19961009
New Sched Event Date:
Best Date: 19961009
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: SOILS
Event Code: CA150
Corrective Action Event Descri: INVESTIGATION WORKPLAN APPROVED
Actual Date of Event: 19911227
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19911227
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA050
Corrective Action Event Descri: RFA COMPLETED
Actual Date of Event: 19880913
Orig Sched Event Date: 19880913
New Sched Event Date:
Best Date: 19880913
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA400
Corrective Action Event Descri: REMEDY DECISION
Actual Date of Event: 19940916
Orig Sched Event Date: 19940916
New Sched Event Date:
Best Date: 19940916
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA725YE
Corrective Action Event Descri: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event: 19971203
Orig Sched Event Date: 19971203
New Sched Event Date:
Best Date: 19971203
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:

Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA750NO
Corrective Action Event Descri: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date of Event: 19971203
Orig Sched Event Date: 19971203
New Sched Event Date:
Best Date: 19971203
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jun, 2021.

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20051006
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20051209
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20051006
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.140-150.H
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19921201
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19921215
Violation Responsible Agency: EPA

Violation Details

Found Violation: Yes
Citation: FR - 270
Violation Short Description: TSD - General
Violation Type: 264.A

Violation Determined Date: 19900427
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19900909
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 19900605
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 5500
Paid Amount: 5500

Violation Details

Found Violation: Yes
Citation: FR - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19880510
Scheduled Compliance Date: 19880615
Return to Compliance: Observed
Actual Return to Compl: 19880628
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19880523
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20060928
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: Local

Evaluation Start Date: 20051006
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 20051209
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 19920514
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 19921215
Evaluation Agency: EPA Contractor/Grantee

Evaluation Start Date: 19900427
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Violation Short Description: TSD - General
Return to Compliance Date: 19900909
Evaluation Agency: State

Evaluation Start Date: 19880519
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19880510
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: TSD - General
Return to Compliance Date: 19880628
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900412
Handler Name: GENERAL ELECTRIC ONTARIO AIRPORT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920227
Handler Name: GE AIRCRAFT ENGINES ENGINE MAINTENANCE C
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19940304
Handler Name: GE ENGINE SERVICES INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19940331
Handler Name: GE ENGINE SERVICES/ W COAST OPERATIONS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 19960229
Handler Name: GE ENGINE SERVICES - WEST COAST OPERATIO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19970123
Handler Name: GE ENGINE SERVICES INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 19990304
Handler Name: GE ENGINE SERVICES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20001012
Handler Name: GE ENGINEE SERVICES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20020227
Handler Name: GE ENGINE SERVICES INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20040218
Handler Name: GE ENGINE SERVICES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Handler Details

Sequence No: 9
Receive Date: 20060228
Handler Name: GE ENGINE SERVICES INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 551

Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20071116
Handler Name: GE ENGINE SERVICES INC.
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: GE COMPANY
Date Became Current: 19550101
Date Ended Current:
Street No:
Street 1:
Street 2:
City:
State:

Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Municipal	**Street 1:**	1 NEUMANN WAY
Name:	CITY OF LOS ANGELES	**Street 2:**	
Date Became Current:	19530101	**City:**	CINCINNATI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	45215
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	1923 E AVION ST
Name:	GE ENGINE SERVICES INC	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-986-6731	**Country:**	
Source Type:	Notification	**Zip Code:**	91761
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Municipal	**Street 1:**	1 NEUMANN WAY
Name:	CITY OF LOS ANGELES	**Street 2:**	
Date Became Current:	19530101	**City:**	CINCINNATI
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	45215
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GE COMPANY	**Street 2:**	
Date Became Current:	19550101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	I-75 & NEUMANN WAY
Name:	GENERAL ELECTRIC COMPANY	**Street 2:**	
Date Became Current:		**City:**	CITY NOT REPORTED
Date Ended Current:		**State:**	OH
Phone:	513-243-5194	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999

Historical Handler Details

Receive Dt:	20060228
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC.
Receive Dt:	20040218
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES, INC.
Receive Dt:	20020227
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC
Receive Dt:	20001012
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINEE SERVICES, INC.
Receive Dt:	19990304
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES, INC.
Receive Dt:	19970123
Generator Code Description:	Large Quantity Generator
Handler Name:	GE ENGINE SERVICES INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Dt: 19960229
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES - WEST COAST OPERATIO

Receive Dt: 19940331
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES/ W COAST OPERATIONS

Receive Dt: 19940304
Generator Code Description: Large Quantity Generator
Handler Name: GE ENGINE SERVICES INC

Receive Dt: 19920227
Generator Code Description: Large Quantity Generator
Handler Name: GE AIRCRAFT ENGINES ENGINE MAINTENANCE C

Receive Dt: 19900412
Generator Code Description: Large Quantity Generator
Handler Name: GENERAL ELECTRIC ONTARIO AIRPORT

16	6 of 16	W	0.06 / 305.26	908.96 / 0	G E ENGINE SERVICES INC 1923 E AVION ST ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0003388
Owner Info: GE AVIATION SERVICES
Mailing Care of: TAMARA NORWOOD
Mailing Address 1: 4TH & A STREET
Mailing Address 2: STROTHER FIELD
Mailing City: ARKANSAS CITY
Mailing State: KS
Mailing Zip: 67005

Detail(s)

Permit ID: PT0017053
Status: INACTIVE
Program Element Code: 4303
Permit Desc: HAZARDOUS WASTE GENERATOR RCRA LQG
To: 7/31/2007

Permit ID: PT0002120
Status: INACTIVE
Program Element Code: 4414
Permit Desc: HAZARDOUS WASTE GENERATOR - 101-250 EMPLOYEES
To: 7/31/2007

Permit ID: PT0002121
Status: INACTIVE
Program Element Code: 4502
Permit Desc: PBR ANNUAL FEE
To: 7/31/2007

Permit ID: PT0002119
Status: INACTIVE
Program Element Code: 4206
Permit Desc: HAZMAT HANDLER 101-250 EMPLOYEES (W/GEN PRMT)
To: 7/31/2007

16	7 of 16	W	0.06 / 305.26	908.96 / 0	ONTARIO INTERNATIONAL AIRPORT 1923 E AVION ST ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0002014

Owner Info: Ontario International Airport Authority
Mailing Care of:
Mailing Address 1: 1923 E Avion Street
Mailing Address 2:
Mailing City: Ontario
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0011564
Status: ACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2021

Permit ID: PT0021720
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2013

Permit ID: PT0016536
Status: INACTIVE
Program Element Code: 4270
Permit Desc: EPCRA FACILITY
To: 10/31/2013

Permit ID: PT0016535
Status: ACTIVE
Program Element Code: 4032
Permit Desc: APSA 10,001-100,000 GAL FAC CAPACITY
To: 10/31/2021

Permit ID: PT0002690
Status: ACTIVE
Program Element Code: 4245
Permit Desc: HAZARDOUS MATERIALS 31-50 CHEMICALS
To: 10/31/2021

Permit ID: PT0010664
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2010

Permit ID: PT0010665
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2010

Permit ID: PT0011567
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2005

Permit ID: PT0016537
Status: ACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2021

Permit ID: PT0011566
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

To: 10/31/2005

Permit ID: PT0002689
Status: ACTIVE
Program Element Code: 4454
Permit Desc: LARGE QUANTITY GENERATOR
To: 10/31/2021

Permit ID: PT0016534
Status: ACTIVE
Program Element Code: 5415
Permit Desc: UW HANDLER WITH ANOTHER CUPA PERMIT
To: 10/31/2021

Permit ID: PT0011565
Status: ACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2021

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16 | **8 of 16** | **W** | **0.06 / 305.26** | **908.96 / 0** | **GENERAL ELECTRIC AVIATION SERVS OPS**
1923 E AVION ST
ONTARIO CA 91761 | **SEMS ARCHIVE**

Site ID: 0901222
EPA ID: CAD009542721
Superfund Alt Agmt: No
Federal Facility: No
FF Docket: No
FIPS Code: 06071
Cong District: 35
Region: 09
County: SAN BERNARDINO
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Action Information

Operable Units: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Actual:
Finish Actual: 11/14/1988
Qual: N
Curr Action Lead: EPA Perf

Operable Units: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Actual:
Finish Actual: 11/14/1988
Qual:
Curr Action Lead: EPA Perf In-Hse

Operable Units: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Actual: 03/01/1985
Finish Actual: 07/01/1985
Qual: L
Curr Action Lead: St Perf

Operable Units: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Actual: 07/01/1980
Finish Actual: 07/01/1980
Qual:
Curr Action Lead: EPA Perf

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16 | **9 of 16** | **W** | **0.06 / 305.26** | **908.96 / 0** | **ONTARIO INTERNATIONAL AIRPORT**
1923 E AVION ST
ONTARIO CA 91761 | **UST**

Facility ID: FA0002014
CERS ID: 10037323
County: San Bernardino
Latitude: 34.0488
Longitude: -117.6055
Permitting Agency: San Bernardino County Fire Department
Note: Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Facility Type: PERMITTED UNDERGROUND STORAGE TANK (UST)

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16 | **10 of 16** | **W** | **0.06 / 305.26** | **908.96 / 0** | **GENERAL ELECTRIC CO**
1923 E AVION STREET
ONTARIO CA 91761 | **EMISSIONS**

1987 Criteria Data

Facility ID:	11726	**CERR Code:**	
Facility SIC Code:	3721	**TOGT:**	24.9
CO:	36	**ROGT:**	21.3124
Air Basin:	SC	**COT:**	9.4
District:	SC	**NOXT:**	34
COID:	SBD	**SOXT:**	14.6
DISN:	SOUTH COAST AQMD	**PMT:**	2.5
CHAPIS:		**PM10T:**	2.4418

1987 Toxic Data

Facility ID:	11726	**COID:**	SBD
Facility SIC Code:	3721	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1990 Criteria Data

Facility ID:	11726	**CERR Code:**	
Facility SIC Code:	3721	**TOGT:**	59.1
CO:	36	**ROGT:**	42.95641
Air Basin:	SC	**COT:**	13.2
District:	SC	**NOXT:**	45.4
COID:	SBD	**SOXT:**	19.5
DISN:	SOUTH COAST AQMD	**PMT:**	3.2
CHAPIS:		**PM10T:**	3.1256

1990 Toxic Data

Facility ID:	11726	**COID:**	SBD
Facility SIC Code:	3721	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

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16 | **11 of 16** | **W** | **0.06 / 305.26** | **908.96 / 0** | **ONTARIO INTERNATIONAL AIRPORT**
1923 E AVION ST
ONTARIO CA 91761 | **CERS TANK**

Site ID:	398642	**Latitude:**	34.048800
Longitude:	-117.605500		

Regulated Programs

EI ID: 10037323
EI Description: Underground Storage Tank

EI ID: 10037323
EI Description: Chemical Storage Facilities

EI ID: 10037323
EI Description: Hazardous Waste Generator

EI ID: 10037323
EI Description: Aboveground Petroleum Storage

Violations

Violation Date: 08/18/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Notes:

Violation Description:

Violations

Violation Date: 08/17/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Notes:

Violation Description:

Violations

Violation Date: 04/29/2020 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Notes:

Violation Description:

Violations

Violation Date: 08/17/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Notes:

Violation Description:

Violations

Violation Date: 08/18/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Notes:

Violation Description:

Violations

Violation Date: 04/29/2020 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Notes:

Violation Description:

Violations

Violation Date: 04/12/2016 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Notes:

Violation Description:

Violations

Violation Date: 04/29/2020 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Notes:

Violation Description:

Violations

Violation Date: 08/18/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Notes:

Violation Description:

Violations

Violation Date: 04/23/2021 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Notes:

Violation Description:

Violations

Violation Date: 04/23/2021 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Notes:

Violation Description:

Violations

Violation Date: 04/23/2021 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Notes:

Violation Description:

Violations

Violation Date: 04/17/2015 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Notes:

Violation Description:

Violations

Violation Date: 11/01/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Violation Description:

Violations

Violation Date: 04/29/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Violation Description:

Violations

Violation Date: 08/18/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Notes:

Violation Description:

Violations

Violation Date: 04/17/2014 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Notes:

Violation Description:

Violations

Violation Date: 08/17/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)

Violation Notes:

Violation Description:

Violations

Violation Date: 04/23/2021 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Notes:

Violation Description:

Violations

Violation Date: 04/23/2021 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Notes:

Violation Description:

Violations

Violation Date: 04/29/2020 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Notes:

Violation Description:

Violations

Violation Date: 04/17/2014 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Notes:

Violation Description:

Violations

Violation Date: 09/27/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 25290.1(d) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(d)
Violation Notes:

Violation Description:

Violations

Violation Date: 04/29/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Notes:

Violation Description:

Enforcements

Enf Action Date: 04/29/2015 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 04/17/2014 ***Enf Action Program:*** UST
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 04/12/2016 ***Enf Action Program:*** UST
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 04/29/2015 ***Enf Action Program:*** HW
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 04/17/2015 ***Enf Action Program:*** UST
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 04/17/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/23/2021
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 11/01/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval Notes:

Eval Date: 04/09/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 11/12/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 08/29/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 08/17/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 11/01/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 11/01/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 04/29/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval Notes:

Eval Date: 11/18/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 11/12/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 11/12/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 04/29/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 04/17/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/23/2021
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 09/27/2018
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval Notes:

Eval Date: 04/29/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 04/28/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 06/15/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 12/17/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/29/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 07/26/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 08/18/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval Notes:

Eval Date: 04/12/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 11/19/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Operator
Entity Name: Mark Thorpe
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (909) 395-2400

Affil Type Desc: Environmental Contact
Entity Name: Chris Waller
Entity Title:
Address: 2132 E Avion Street
City: Ontario
State: CA
Country:
Zip Code: 91761
Phone:

Affil Type Desc: Parent Corporation
Entity Name: Ontario International Airport Authority
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: UST Tank Owner
Entity Name: Ontario International Airport Authority
Entity Title:
Address: 1923 E Avion Street
City: Ontario
State: CA
Country: United States
Zip Code: 91764
Phone: (909) 395-2400

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:

Address: 1923 E Avion Street
City: Ontario
State: CA
Country:
Zip Code: 91761
Phone:

Affil Type Desc: Legal Owner
Entity Name: Ontario International Airport Authority
Entity Title:
Address: 1923 E Avion Street
City: Ontario
State: CA
Country: United States
Zip Code: 91761
Phone: (909) 395-2400

Affil Type Desc: Property Owner
Entity Name: Ontario International Airport Authorities
Entity Title:
Address: 1923 E Avion Street
City: Ontario
State: CA
Country: United States
Zip Code: 90761
Phone: (909) 395-2400

Affil Type Desc: Identification Signer
Entity Name: Tina Darjazanie
Entity Title: Environmental Consultant
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:
Address: 620 South E Street
City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Affil Type Desc: UST Permit Applicant
Entity Name: Anh Nguyen
Entity Title: Executive Services Administrator
Address:
City:
State:
Country:
Zip Code:
Phone: (909) 544-5372

Affil Type Desc: Document Preparer
Entity Name: Tina Darjazanie
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: UST Tank Operator
Entity Name: Mark Thorpe

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Title:
Address: 1923 E Avion Street
City: Ontario
State: CA
Country: United States
Zip Code: 91761
Phone: (909) 395-2400

Affil Type Desc: UST Property Owner Name
Entity Name: Ontario Airport Authority
Entity Title:
Address: 1923 E Avion Street
City: Ontario
State: CA
Country: United States
Zip Code: 91764
Phone: (909) 395-2400

Coordinates

Env Int Type Code: APSA
Program ID: 10037323
Latitude: 34.050979
Longitude: -117.610160
Coord Name:
Ref Point Type Desc: Unknown

16	12 of 16	W	0.06 / 305.26	908.96 / 0	ONTARIO INTERNATIONAL AIRPORT 1923 E AVION ST ONTARIO CA 91761	GEOTRACKER

Global ID: T10000012861
Status: OPEN - SITE ASSESSMENT
Status Date: 3/28/2019
Site Facility Type: PROJECT
Latitude: 34.05189
Longitude: -117.60853
County: SAN BERNARDINO

Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No:
Begin Date: 2019-03-20 00:00:00
Stop Method:
Lead Agency: SANTA ANA RWQCB (REGION 8)
Local Agency:
Potential COC: Per- and Polyfluoroalkyl Substances (PFAS)
Potential Media of Concern:
How Discovered Description:
Stop Description:
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
DWR GW Subbasin Name: Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community: Severely Disadvantaged Community
CalEnviroScreen Score: 96-100% (highest scores)
Site History:
CUF Case: NO
How Discovered:
File Location:
Case Worker: MB

Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date : 2020-03-01 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2019-12-17 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2019-08-28 00:00:00

Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date : 2019-07-19 00:00:00
Action: Preliminary Site Assessment Workplan

Action Type: RESPONSE
Date : 2019-06-04 00:00:00
Action: Soil and Water Investigation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2019-05-03 00:00:00
Action: Letter - Notice

Action Type: ENFORCEMENT
Date : 2019-03-20 00:00:00
Action: PFAS Order - #R8-2019-0043

Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Site Assessment
Status Date: 2019-03-28 00:00:00

Status: Open - Case Begin Date
Status Date: 2019-03-20 00:00:00

Status: Active
Status Date: 2019-03-20 00:00:00

Status: Open - Site Assessment
Status Date: 2019-03-20 00:00:00

Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Mona Behrooz
Phone No: 9517823237
Organization Name: SANTA ANA RWQCB (REGION 8)
Email: mehrnoosh.behrooz@waterboards.ca.gov
Address: 3737 Main St, Suite 500
City: RIVERSIDE

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16 | **13 of 16** | **W** | **0.06 / 305.26** | **908.96 / 0** | **ONTARIO INTERNATIONAL AIRPORT**
1923 E Avion St
Ontario CA | **PFAS**

Global ID: T10000012861
Status: Open - Site Assessment
Status Date: 3/28/2019
County: San Bernardino
Data Source: Cleanup Sites from GeoTracker Cleanup Sites Data Download
Facility ID:
Site Facility Type: Project
Latitude: 34.05189
Longitude: -117.60853

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No:
Begin Date: 3/20/2019
File Location:
Lead Agency: SANTA ANA RWQCB (REGION 8)
Local Agency:
Potential COC: Per- and Polyfluoroalkyl Substances (PFAS)
Potential Media of Concern:
How Discovered:
How Discovered Description:
Stop Method:
Stop Description:
CUF Case: NO
Caseworker: MB

Calwater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
DWR GW Subbasin Name: Upper Santa Ana Valley - Chino (8-002.01)
CalEnviroScreen Score: 96-100% (highest scores)
Disadvantaged Community: Severely Disadvantaged Community
Site History:

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date: 6/4/2019
Action: Soil and Water Investigation Workplan - Regulator Responded

Action Type: RESPONSE
Date: 3/1/2020
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date: 8/28/2019
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date: 5/3/2019
Action: Letter - Notice

Action Type: RESPONSE
Date: 7/19/2019
Action: Preliminary Site Assessment Workplan

Action Type: ENFORCEMENT
Date: 3/20/2019
Action: PFAS Order - #R8-2019-0043

Action Type: ENFORCEMENT
Date: 12/17/2019
Action: Technical Correspondence / Assistance / Other

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Site Assessment
Status Date: 3/28/2019

Status: Open - Case Begin Date
Status Date: 3/20/2019

Status: Active
Status Date: 3/20/2019

Status: Open - Site Assessment
Status Date: 3/20/2019

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Mona Behrooz
Phone No: 9517823237
Organization Name: SANTA ANA RWQCB (REGION 8)
Email: mehrnoosh.behrooz@waterboards.ca.gov
Address: 3737 Main St, Suite 500
City: RIVERSIDE

16	14 of 16	W	0.06 / 305.26	908.96 / 0	GENERAL ELECTRIC CO-AVIATION 1923 E AVION ST ONTARIO CA	UST SWEEPS

C C: A36-000-186
D Filename: SITE10A

BOE:	44-019724	**Page No:**	140
Comp:	186	**County:**	SAN BERNARDINO
Status:	ACTIVE	**State :**	CA
No of Tanks:	14	**Zip:**	91761
Jurisdict:	SAN BERNARDINO COUNTY	**Latitude:**	0
Agency:	ENVIRONMENTAL HEALTH - U.S.T.	**Longitude:**	0
Phone:		**Georesult:**	N

Tank Details

Tank ID:	000004	**S Contain:**	
O Tank ID:	ASO/04	**Stg:**	W
SWRCB No:	36-000-000186-000004	**Storage :**	
Removed:		**Storag Type:**	WASTE
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	WASTE OIL
Capac:	8000	**ONA:**	
Tank Use:	OIL	**D File Name:**	TANK10A

Tank Details

Tank ID:	000015	**S Contain:**	
O Tank ID:	SP002	**Stg:**	P
SWRCB No:	36-000-000186-000015	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	
Capac:	4000	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	TANK10A

Tank Details

Tank ID:	000006	**S Contain:**	
O Tank ID:	ASO/02	**Stg:**	P
SWRCB No:	36-000-000186-000006	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	JET FUEL
Capac:	4000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK10A

Tank Details

Tank ID:	000014	**S Contain:**	
O Tank ID:	ASO/08	**Stg:**	W
SWRCB No:	36-000-000186-000014	**Storage :**	
Removed:		**Storag Type:**	WASTE
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	
Capac:	250	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	TANK10A

Tank Details

Tank ID:	000009	**S Contain:**	
O Tank ID:	ASO/13	**Stg:**	P
SWRCB No:	36-000-000186-000009	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	JET FUEL
Capac:	2000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK10A

Tank Details

Tank ID: 000005
O Tank ID: ASO/03
SWRCB No: 36-000-000186-000005
Removed:
Installed:
A Date: 07-01-85
Capac: 8000
Tank Use: UNKNOWN
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content:
ONA:
D File Name: TANK10A

Tank Details

Tank ID: 000013
O Tank ID: ASO/09
SWRCB No: 36-000-000186-000013
Removed:
Installed:
A Date: 07-01-85
Capac: 7000
Tank Use: UNKNOWN
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content:
ONA:
D File Name: TANK10A

Tank Details

Tank ID: 000001
O Tank ID: ASO/06
SWRCB No: 36-000-000186-000001
Removed:
Installed:
A Date: 07-01-85
Capac: 6000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: DIESEL
ONA:
D File Name: TANK10A

Tank Details

Tank ID: 000010
O Tank ID: ASO/12
SWRCB No: 36-000-000186-000010
Removed:
Installed:
A Date: 07-01-85
Capac: 2000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: JET FUEL
ONA:
D File Name: TANK10A

Tank Details

Tank ID: 000016
O Tank ID: SPO03
SWRCB No: 36-000-000186-000016
Removed:
Installed:
A Date: 07-01-85
Capac: 4000
Tank Use: UNKNOWN
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content:
ONA:
D File Name: TANK10A

Tank Details

Tank ID: 000002
O Tank ID: ASO/07
SWRCB No: 36-000-000186-000002
Removed:
Installed:
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

A Date:	07-01-85	**Content:**	DIESEL
Capac:	6000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK10A

Tank Details

Tank ID:	000007	**S Contain:**	
O Tank ID:	SPO/01	**Stg:**	W
SWRCB No:	36-000-000186-000007	**Storage :**	
Removed:		**Storag Type:**	WASTE
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	
Capac:	8000	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	TANK10A

Tank Details

Tank ID:	000008	**S Contain:**	
O Tank ID:	ASO/14	**Stg:**	P
SWRCB No:	36-000-000186-000008	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	
Capac:	500	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	TANK10A

Tank Details

Tank ID:	000011	**S Contain:**	
O Tank ID:	ASO/11	**Stg:**	P
SWRCB No:	36-000-000186-000011	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	JET FUEL
Capac:	2000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK10A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	15 of 16	W	0.06 / 305.26	908.96 / 0	GENERAL ELECTRIC CO.- AVIATION 1923 E AVION ST ONTARIO CA	UST SWEEPS

C C:	I36-000-186	**D Filename:**	NSITE1
BOE:	44-019724	**Page No:**	146
Comp:	186	**County:**	SAN BERNARDINO
Status:	INACTIVE	**State :**	CA
No of Tanks:	2	**Zip:**	91761
Jurisdict:	SAN BERNARDINO COUNTY	**Latitude:**	0
Agency:	ENVIRONMENTAL HEALTH - U.S.T.	**Longitude:**	0
Phone:		**Georesult:**	N

Tank Details

Tank ID:	000012	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	36-000-000186-000012	**Storage :**	WASTE
Removed:	01-01-91	**Storag Type:**	WASTE
Installed:	01-01-01	**P Contain:**	BARE STEEL
A Date:		**Content:**	CALIBRATION
Capac:	2000	**ONA:**	
Tank Use:	CHEMICAL	**D File Name:**	NTANK1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Details

Tank ID:	000003	***S Contain:***	NONE
O Tank ID:		***Stg:***	
SWRCB No:	36-000-000186-000003	***Storage :***	PRODUCT
Removed:	01-01-88	***Storag Type:***	PRODUCT
Installed:	01-01-81	***P Contain:***	FIBERGLASS
A Date:		***Content:***	CALIBRATION
Capac:	7000	***ONA:***	
Tank Use:	CHEMICAL	***D File Name:***	NTANK1

16	*16 of 16*	*W*	*0.06 / 305.26*	*908.96 / 0*	***G E ENGINE SERVICES*** ***1923 E AVION ST*** ***ONTARIO CA***	***MED*** ***WST SANBERN***

Facility County:	SAN BERNARDINO
Facility ID:	FA0000972
Facility Zip:	91761

Details

PE:	4828
Program Element:	MEDICAL WASTE-SQG
Mailing Address:	
Mailing City:	
Mailing State:	
Mailing Zip:	
Billing Statuus:	INACTIVE, NON-BILLABLE
Contact:	
Care of:	

17	*1 of 1*	*W*	*0.06 / 316.02*	*908.96 / 0*	***FEDERAL EXPRESS CORP*** ***1801 E AVION AVE*** ***ONTARIO CA 91761***	***DELISTED TNK***

Delisted Storage Tanks

Facility ID:	87014980	***Latitude:***	34.05098
Permitting Agency:	SAN BERNARDINO COUNTY	***Longitude:***	-117.61008
County:	San Bernardino		
Original Source:	UST		
Record Date:	30-JAN-2017		

18	*1 of 5*	*SE*	*0.06 / 329.51*	*890.45 / -19*	***GE ENGINE SERVICES TEST CELL FACILITY (AKA GE AIRCRAFT)*** ***2264 E. AVION PLACE*** ***ONTARIO CA 91761***	***RESPONSE***

Estor/EPA ID:	36370024	***Permit Renewal Lead:***	
Site Code:	400070	***Project Manager:***	
Nat Priority List:	NO	***Supervisor:***	
Acres:	4 ACRES	***Public Partici Spclst:***	
Special Program:		***Census Tract:***	6071001600
Funding:	RESPONSIBLE PARTY	***County:***	SAN BERNARDINO
Assembly District:	52	***Latitude:***	34.047733
Senate District:	20	***Longitude:***	-117.600908
School District:			
APN:	011327136		
Cleanup Status:	REFER: RWQCB AS OF 5/7/2019		
Cleanup Oversight Agencies:	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY;RWQCB 8 - SANTA ANA - LEAD AGENCY		
Site Type:	STATE RESPONSE OR NPL		
Office:	SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH		

Past Use that Caused Contam: AIRCRAFT MAINTENANCE, JET FUEL STORAGE/REFUELING
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR
Potential Contamin of Concern:

CHROMIUM VI
UNCATEGORIZED
VOLATILE ORGANICS (8260B VOCS)

Site History:

General Electric has operated a jet engine test facility at this site from 1956 to the present. Both commercial and military engines are tested at the facility. About 6,000 gallons of hazardous waste were disposed of in dry wells. There was an estimated 600 cubic yards of waste and conta- minated soil on the site. Results of a preliminary investigation in 1987, indicated the presence of 1,1,1-trichloroethane (TCA), tetrachloroethene (PCE), chloroform, naphthalene, 2-methylnaph- thalene, and volatile aromatic (xylene, toluene, ethylbenzene) in soils near the dry wells. Hazardous substances disposed of in dry wells may potentially enter groundwater and contaminate drinking water supplies. Worker exposure concerns at the facility to volatile organic compounds if contaminated subsurface soils, are excavated or disturbed was raised. General Electric performed soil sampling in 1984, and 1987, to identify contaminated areas on the facility. General Electric has performed a site investigation to fully characterizethe site. A Consent Order between General Electric and DHS was signed September 28, 1988, for both groundwater and soil remediation.

System operation of the vapor extraction treatment systems in areas A, B and C began on May 17, 1996. Quarterly reports on the status of operation have been submitted to DTSC since commencing remediation. Concentrations of VOCs in shallow soils in areas A, B, and C at the site have reached acceptable closure levels. The shallow extraction wells in areas A, B, and C will be maintained in operational condition until sufficient data can be obtained to evaluate rebound data.

In 2008, GE submitted the Second Five-Year Review Report recommending completion of the VOC remediation at both shallow and deep soils. On 10/24.2013, DTSC discussed this recommendation with RWQCB which recommended DTSC to hold the decision until the confirmation data are taken from soil vapor probes to assess whether VOCs are migrating from soil to groundwater.

At the RWQCB's request, GE prepared a work plan to install additional groundwater wells and soil vapor probes. The workplan approval is expected to be by the end of 2013. In February 2014, RWQCB informed DTSC that GE recently completed drilling and installation of a new multi-depth groundwater monitoring well, as well as an adjacent multi-depth vapor monitoring well. Both wells are located near the southern boundary of the site, close to where the original release of TCE occurred. The purpose of the groundwater well is to replace a previous well that had become dry, while the vapor well is to evaluate any remnant VOCs in the vadose zone that could be a continuing source for the groundwater contamination. Agencies to consider the information from the new vapor wells when makiing the remediation completion closure determination.

In April 2015, RWQCB concurred, In a phone conversation, that soil is no longer a source of the releases to groundwater. DTSC will proceed with a land use covenant (LUC) to complete the site soil vapor remediation. Groundwater monitoring continues under the RWQCB's oversight.

In April 2019, RWQCB contacted DTSC regarding the increasing trends of VOC observed in the offsite groundwater monitoring data. RWQCB may request additional soil/soil gas investigation for source evaluation. The project was transferred to SARWQCB on May 6, 2019 to minimize overlap of investigation between two agencies and expedite the environmental investigation and cleanup activities.

Status: REFER: RWQCB
Program Type: STATE RESPONSE
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36370024

Completed Activities

Title: Second Quarter 2013 Groundwater Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60348519
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 1/21/2014
Comments: No comments from DTSC

Title: Engineering Evaluation / Cost Analysis
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 2/29/1992
Comments:

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 5/26/1989
Comments: Reassessment was reviewed by Region 4 staff recommended AWP.

Title: Remedial Action Plan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=5005282
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Plan
Date Completed: 9/16/1994
Comments:

Title: Second Qtr 2014 Groundwater Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60371206
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 7/31/2014
Comments: No comments for the GW monitoring Report. DTSC is waiting for RWQCB's determination for the soil gas and GW investigation.

Title: 4th Quarter 2017 Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60441184
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 2/8/2018
Comments: DTSC is not the oversight agency for GW monitoring.

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 3/15/1983
Comments: Facility Identified: RWQCB files - aircraft parts mfg.

Title: Workplan For The Second Five-Year Review
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=6016066
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 5/4/2007
Comments: 2nd 5 Yr. Review Report was approved

Title: Order
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&enforcement_id=5005288
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Consent Order

Date Completed: 9/28/1988
Comments:

Title: First Quarter 2013 Groundwater Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60348508
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 1/21/2014
Comments: No comments from DTSC.

Title: Lead Agency Regulatory Oversight Transfer
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&enforcement_id=60460097
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 5/6/2019
Comments: The project was transferred to SARWQCB.

Title: Second Quarter 2016 Groundwater Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60412901
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 8/1/2016
Comments: Groundwater monitoring at the site is conducted under the Santa Ana RWQCB's oversight.

Title: Remedial Investigation / Feasibility Study
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation / Feasibility Study
Date Completed: 6/30/1993
Comments:

Title: Third Quarter 2013 Groundwater Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60348527
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 1/21/2014
Comments: No comments from DTSC

Title: Letter from LAWA - Request to remove LAWA from GEES site
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&enforcement_id=60430977
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 11/21/2016
Comments:

Title: Preliminary Assessment Report
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:

Document Type: Preliminary Assessment Report
Date Completed: 1/1/1985
Comments: Preliminary Assessment Done: Facility is located in the Ontario International Airport. Test Area is 1/3-mile east along Avion. Operations consist of cleaning, overhauling, and testing of aircraft engines. In operation since 1956 (dry wells 1974-1980). Discharge to sewer. Preliminary Assessment submitted to U.S. EPA.

Title: Fourth Quarter 2014 GW Monitoring report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60388442
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 3/12/2015
Comments: Increasing TCE observed in Well OW-15.

Title: June 2006 Site-Wide Soil Gas Sampling Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=6013059
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 10/27/2006
Comments: Final letter sent to RP.

Title: First Quarter 2013 Groundwater Monitoring Report
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 4/29/2013
Comments: report submitted by the facility but not reviewed.

Title: Operations and Maintenance Plan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&enforcement_id=5005278
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Operation & Maintenance Order/Agreement
Date Completed: 8/28/1998
Comments: Enforceable Agreement for Operation and Maintenance was signed by DTSC and GE.

Title: Engineering Evaluation / Cost Analysis
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 12/31/1991
Comments:

Title: CEQA
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * CEQA
Date Completed: 9/16/1994
Comments: The Department approved the final Remedial Action Plan for the General Electric Jet Engine Test Cell Facility. The CEQA (Negative Declaration) documents have also been approved. The remedial alternative recommended for the site consists of in situ soil vapor extraction to reduce VOC levels at the known source areas of the site. Groundwater investigation and cleanup will be under the oversight of the RWQCB.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: Remedial or Removal Design
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Design/Implementation Workplan
Date Completed: 1/10/1996
Comments: Military and commercial jet engine testing facility. Contaminants include petroleum hydrocarbons, TCA, PCE, volatile and semi-volatile organic compounds, chloroform, naphthalene, 2-methylnaphthalene, and volatile aromatics (xylene, toluene, ethyl benzene).

Title: Five Year Review Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=6010414
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 1/27/2006
Comments: Shallow soil remedy only.

Title: Second 5-year Review Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=6016274
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 1/16/2009
Comments: DTSC sent approval with Engineering and HERD's comments.

Title: Remedial Action Completion or Implementation
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Completion Report
Date Completed: 10/9/1996
Comments: RMDL: Installation, operation and maintenance of three (3) separate soil vapor extraction and treatment systems (VET's) was completed on 10/09/1996.

Title: Second Quarter 2018 GWM Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60447780
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 7/31/2018
Comments: DTSC is not the oversight agency for GW monitoring.

Title: Fourth Quarter 2013 GW Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60383606
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 1/27/2014
Comments:

18	2 of 5	SE	0.06 / 329.51	890.45 / -19	GE AIRCRAFT, ENGINE MAINTENANCE CTR 2264 AVION PLACE ONTARIO CA 91761	HIST CORTESE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Envirostor ID: 36370024
Status (Historical): ACTIVE
Site Type: STATE RESPONSE
Site Code: 400070

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18 | ***3 of 5*** | ***SE*** | ***0.06 / 329.51*** | ***890.45 / -19*** | ***GENERAL ELECTRIC COMPANY***
2264 AVION PLACE
ONTARIO CA 91761 | ***EMISSIONS***

1990 Criteria Data

Facility ID:	61160	**CERR Code:**	
Facility SIC Code:	5171	**TOGT:**	0
CO:	36	**ROGT:**	0
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	
COID:	SBD	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1990 Toxic Data

Facility ID:	61160	**COID:**	SBD
Facility SIC Code:	5171	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

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18 | ***4 of 5*** | ***SE*** | ***0.06 / 329.51*** | ***890.45 / -19*** | ***GE ENGINE SERVICES TEST CELL FACILITY (AKA GE AIRCRAFT)***
2264 E. AVION PLACE
ONTARIO CA 91761 | ***ENVIROSTOR***

Estor/EPA ID:	36370024	**Assembly District:**	52
Site Code:	400070	**Senate District:**	20
Nat Priority List:	NO	**Permit Renewal Lead:**	
APN:	011327136	**Public Partici Spclst:**	
Census Tract:	6071001600	**Project Manager:**	
Site Type:	STATE RESPONSE OR NPL	**County:**	SAN BERNARDINO
Address Description:	2264 E. AVION PLACE	**Latitude:**	34.047733
Office:	SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH	**Longitude:**	-117.600908
Special Program:		**Acres:**	4 ACRES
Funding:	RESPONSIBLE PARTY	**Supervisor:**	

Cleanup Status: REFER: RWQCB AS OF 5/7/2019
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY;RWQCB 8 - SANTA ANA - LEAD AGENCY
School District:
Past Use that Caused Contam: AIRCRAFT MAINTENANCE, JET FUEL STORAGE/REFUELING
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR
Potential Contamin of Concern:

CHROMIUM VI
UNCATEGORIZED
VOLATILE ORGANICS (8260B VOCS)

Site History:

General Electric has operated a jet engine test facility at this site from 1956 to the present. Both commercial and military engines are tested at the

facility. About 6,000 gallons of hazardous waste were disposed of in dry wells. There was an estimated 600 cubic yards of waste and conta- minated soil on the site. Results of a preliminary investigation in 1987, indicated the presence of 1,1,1-trichloroethane (TCA), tetrachloroethene (PCE), chloroform, naphthalene, 2-methylnaph- thalene, and volatile aromatic (xylene, toluene, ethylbenzene) in soils near the dry wells. Hazardous substances disposed of in dry wells may potentially enter groundwater and contaminate drinking water supplies. Worker exposure concerns at the facility to volatile organic compounds if contaminated subsurface soils, are excavated or disturbed was raised. General Electric performed soil sampling in 1984, and 1987, to identify contaminated areas on the facility. General Electric has performed a site investigation to fully characterizethe site. A Consent Order between General Electric and DHS was signed September 28, 1988, for both groundwater and soil remediation.

System operation of the vapor extraction treatment systems in areas A, B and C began on May 17, 1996. Quarterly reports on the status of operation have been submitted to DTSC since commencing remediation. Concentrations of VOCs in shallow soils in areas A, B, and C at the site have reached acceptable closure levels. The shallow extraction wells in areas A, B, and C will be maintained in operational condition until sufficient data can be obtained to evaluate rebound data.

In 2008, GE submitted the Second Five-Year Review Report recommending completion of the VOC remediation at both shallow and deep soils. On 10/24.2013, DTSC discussed this recommendation with RWQCB which recommended DTSC to hold the decision until the confirmation data are taken from soil vapor probes to assess whether VOCs are migrating from soil to groundwater.

At the RWQCB's request, GE prepared a work plan to install additional groundwater wells and soil vapor probes. The workplan approval is expected to be by the end of 2013. In February 2014, RWQCB informed DTSC that GE recently completed drilling and installation of a new multi-depth groundwater monitoring well, as well as an adjacent multi-depth vapor monitoring well. Both wells are located near the southern boundary of the site, close to where the original release of TCE occurred. The purpose of the groundwater well is to replace a previous well that had become dry, while the vapor well is to evaluate any remnant VOCs in the vadose zone that could be a continuing source for the groundwater contamination. Agencies to consider the information from the new vapor wells when makiing the remediation completion closure determination.

In April 2015, RWQCB concurred, In a phone conversation, that soil is no longer a source of the releases to groundwater. DTSC will proceed with a land use covenant (LUC) to complete the site soil vapor remediation. Groundwater monitoring continues under the RWQCB's oversight.

In April 2019, RWQCB contacted DTSC regarding the increasing trends of VOC observed in the offsite groundwater monitoring data. RWQCB may request additional soil/soil gas investigation for source evaluation. The project was transferred to SARWQCB on May 6, 2019 to minimize overlap of investigation between two agencies and expedite the environmental investigation and cleanup activities.

Status: REFER: RWQCB
A2 Program Type: STATE RESPONSE
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36370024

Completed Activities

Title: Letter from LAWA - Request to remove LAWA from GEES site
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&enforcement_id=60430977
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 11/21/2016
Comments:

Title: CEQA
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * CEQA
Date Completed: 9/16/1994
Comments: The Department approved the final Remedial Action Plan for the General Electric Jet Engine Test Cell Facility. The CEQA (Negative Declaration) documents have also been approved. The remedial alternative recommended for the site consists of in situ soil vapor extraction to reduce VOC levels at the known source areas of the site. Groundwater investigation and cleanup will be under the oversight of the RWQCB.

Title: Fourth Quarter 2013 GW Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60383606
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report

Date Completed: 1/27/2014
Comments:

Title: Second Quarter 2013 Groundwater Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60348519
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 1/21/2014
Comments: No comments from DTSC

Title: Remedial or Removal Design
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Design/Implementation Workplan
Date Completed: 1/10/1996
Comments: Military and commercial jet engine testing facility. Contaminants include petroleum hydrocarbons, TCA, PCE, volatile and semi-volatile organic compounds, chloroform, naphthalene, 2-methylnaphthalene, and volatile aromatics (xylene, toluene, ethyl benzene).

Title: Engineering Evaluation / Cost Analysis
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 2/29/1992
Comments:

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 5/26/1989
Comments: Reassessment was reviewed by Region 4 staff recommended AWP.

Title: 4th Quarter 2017 Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60441184
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 2/8/2018
Comments: DTSC is not the oversight agency for GW monitoring.

Title: June 2006 Site-Wide Soil Gas Sampling Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=6013059
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 10/27/2006
Comments: Final letter sent to RP.

Title: First Quarter 2013 Groundwater Monitoring Report
Title Link:
Area Name:
Area Link:

Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 4/29/2013
Comments: report submitted by the facility but not reviewed.

Title: Workplan For The Second Five-Year Review
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=6016066
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 5/4/2007
Comments: 2nd 5 Yr. Review Report was approved

Title: Five Year Review Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=6010414
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 1/27/2006
Comments: Shallow soil remedy only.

Title: Operations and Maintenance Plan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&enforcement_id=5005278
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Operation & Maintenance Order/Agreement
Date Completed: 8/28/1998
Comments: Enforceable Agreement for Operation and Maintenance was signed by DTSC and GE.

Title: Engineering Evaluation / Cost Analysis
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 12/31/1991
Comments:

Title: Lead Agency Regulatory Oversight Transfer
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&enforcement_id=60460097
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 5/6/2019
Comments: The project was transferred to SARWQCB.

Title: Second 5-year Review Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=6016274
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 1/16/2009
Comments: DTSC sent approval with Engineering and HERD's comments.

Title: Remedial Action Completion or Implementation
Title Link:
Area Name:

Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Completion Report
Date Completed: 10/9/1996
Comments: RMDL: Installation, operation and maintenance of three (3) separate soil vapor extraction and treatment systems (VET's) was completed on 10/09/1996.

Title: Remedial Action Plan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=5005282
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Plan
Date Completed: 9/16/1994
Comments:

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 3/15/1983
Comments: Facility Identified: RWQCB files - aircraft parts mfg.

Title: Second Quarter 2018 GWM Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60447780
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 7/31/2018
Comments: DTSC is not the oversight agency for GW monitoring.

Title: Second Quarter 2016 Groundwater Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60412901
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 8/1/2016
Comments: Groundwater monitoring at the site is conducted under the Santa Ana RWQCB's oversight.

Title: Second Qtr 2014 Groundwater Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60371206
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 7/31/2014
Comments: No comments for the GW monitoring Report. DTSC is waiting for RWQCB's determination for the soil gas and GW investigation.

Title: Remedial Investigation / Feasibility Study
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation / Feasibility Study
Date Completed: 6/30/1993
Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: Order
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&enforcement_id=5005288
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 9/28/1988
Comments:

Title: Preliminary Assessment Report
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 1/1/1985
Comments: Preliminary Assessment Done: Facility is located in the Ontario International Airport. Test Area is 1/3-mile east along Avion. Operations consist of cleaning, overhauling, and testing of aircraft engines. In operation since 1956 (dry wells 1974-1980). Discharge to sewer. Preliminary Assessment submitted to U.S. EPA.

Title: Fourth Quarter 2014 GW Monitoring report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60388442
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 3/12/2015
Comments: Increasing TCE observed in Well OW-15.

Title: Third Quarter 2013 Groundwater Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60348527
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 1/21/2014
Comments: No comments from DTSC

Title: First Quarter 2013 Groundwater Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36370024&doc_id=60348508
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 1/21/2014
Comments: No comments from DTSC.

18	5 of 5	SE	0.06 / 329.51	890.45 / -19	GE AIRCRAFT, ENGINE MAINTENANCE CTR 2264 AVION PLACE ONTARIO CA 91761	CALSITES

ID No: 36370024
Status Date: 04/23/1996
NPL: N
Tier:
Fund: C
Access :
Access Code: NOT REPORTED
Cortese:
Hrscore:
Hrsdate:
Groundwater Contam: S

Assembly: 61
Senate: 32
Region: 4
Region Name: CYPRESS
County Co: 36
Facility County: SAN BERNARDINO
Lat Deg: 0
Lat Min: 0
Lat Sec: 0
Lat Dir:
Long Deg: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

GW Code:	SUSPECTED	**Long Min:**	0
No Sources:	1	**Long Sec:**	0
RWQCB Name:		**Long Dir:**	
Branch Name:	SO CAL - CYPRESS	**LImethod:**	
Staff:	THOM	**LIdesc:**	
Senior:			
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE		
Type Name:	RESPONSIBLE PARTY		
Lead Name:	DEPT OF TOXIC SUBSTANCES CONTROL		
SIC Name:	MANU - TRANSPORTATION EQUIPMENT		
Filename:			
Comments:			

Preliminary Assessment Done: Facility is located in the Ontario International Airport. Test Area is 1/3-mile east along Avion. Operations consist of cleaning, overhauling, and testing of aircraft engines. In operation since 1956 (dry wells 1974-1980). Discharge to sewer. Preliminary Assessment submitted to U.S. EPA. DTSC approved the remedial design for the GE Company site. As part of a Cost Recovery Settlement between GE (the Responsible Party) and DTSC, for the period July 1, 1998 to June 30, 1997 for Invoice No. 13637, GE settled the disputed amount. DTSC received settlement payment pursuant to the settlement signed on 09/15/98 by GE and DTSC. DHS/TSCD Inspection: No violations found. O&M agreement being reviewed by OLC . Quarterly progrss reports, weekly operation logs and O&M Manual have been submitted by GE. GE conducted soil gas sampling of deep and shallow soils in October 1999. There were some operational soil vapor extraction for rebound and closure data in areas A, B and C for shallow soils. The final closure decision will be based on an evaluation of rebound concentrations in shallow soil extraction wells over time. The remediation for deeper wells in each area will continue. The Pilot Test and deep soil monitoring protocol RAP implementation document was submitted to DTSC. Facility Identified: RWQCB files - aircraft parts mfg. SVE System was installed this month. Facility Drive-By: Active firm. Large, secured, paved complex. Reassessment was reviewed by Region 4 staff recommended AWP. Draft O&M Agreement sent to GE. DHS/HMMS Inspection: No violations found. Military and commercial jet engine testing facility. Contaminants include petroleum hydrocarbons, TCA, PCE, volatile and semi-volatile organic compounds, chloroform, naphthalene, 2-methylnaphthalene, and volatile aromatics (xylene, toluene, ethyl benzene). Core samples from two dry wells show 1,1,1-trichloroethane, TCE, PCE, and bibromochloroethane. Enforceable Agreement for Operation and Maintenance was signed by DTSC and GE. EPA submitted a reassessment recommending NFA. The Department approved the final Remedial Action Plan for the General Electric Jet Engine Test Cell Facility. The CEQA (Negative Declaration) documents have also been approved. The remedial alternative recommended for the site consists of in situ soil vapor extraction to reduce VOC levels at the known source areas of the site. Groundwater investigation and cleanup will be under the oversight of the RWQCB. RMDL: Installation, operation and maintenance of three (3) separate soil vapor extraction and treatment systems (VET's) was completed on 10/09/1996. In January 2001, DTSC issued conditional closure of the shallow soils in Areas A, B, and C. In October 4, 2001, DTSC supported closure of shallow soils at Areas A,B, and C and recommended cessation of deep soil vapor extraction operations in Area A. The VETS effluent concentration at Area A is being closely monitored. The VETS is being operated in accordance with the requirements of the Regional Water Quality Control Board (RWQCB). The individual VETS are being operated with the intent to operate deep soil VETS at each of the areas, A,B, and C until asymptotic conditions are achieved. It is recommended that there is resolution of two issues relating to the extent of deep soil VETS operation required at this site, which are: 1) A determination of the contamination specific clean up objectives for each of the five extraction wells in each VETS based on the distance from the screened interval of each individual well to groundwater; 2) An analysis of the relationship of contaminant levels in deep extraction wells to the level of contamination in groundwater and the proximity of the screened interval to groundwater.

Background:

General Electric has operated a jet engine test facility at this site from 1956 to the present. Both commercial and military engines are tested at the facility. About 6,000 gallons of hazardous waste were disposed of in dry wells. There is an estimated 600 cubic yards of waste and conta- minated soil on the site. Results of a preliminary investigation in 1987, indicated the presence of 1,1,1-trichloroethane (TCA), tetrachloroethene (PCE), chloroform, naphthalene, 2-methylnaph- thalene, and volatile aromatic (xylene, toluene, ethylbenzene) in soils near the dry wells. Hazardous substances disposed of in dry wells may potentially enter groundwater and contaminate drinking water supplies. The workers on the facility may be exposed to volatile organic compounds if contaminated subsurface soils, are excavated or disturbed. General Electric performed soil sampling in 1984, and 1987, to identify contaminated areas on the facility. General Electric has performed a site investigation to fully characterizethe site. A Consent Order between General Electric and DHS was signed September 28, 1988, for both groundwater and soil remediation. System operation of the vapor extraction treatment systems in areas A, B and C began on May 17, 1996. Quarterly reports on the status of operation have been submitted to DTSC since commencing remediation. Concentrations of VOCs in shallow soils in areas A, B, and C at the site have reached acceptable closure levels. The shallow extraction wells in areas A, B, and C will be maintained in operational condition until sufficient data can be obtained to evaluate rebound data.

19	1 of 1	SE	0.06 / 338.14	891.02 / -18	**GE ENGINE SERVICES, INC.** **2264 E. AVION PLACE** **ONTARIO CA 91761**	ENVIROSTOR

Estor/EPA ID:	71002752	**Assembly District:**	52
Site Code:		**Senate District:**	20
Nat Priority List:	NO	**Permit Renewal Lead:**	
APN:	NONE SPECIFIED	**Public Partici Spclst:**	
Census Tract:	6071001600	**Project Manager:**	
Site Type:	TIERED PERMIT	**County:**	SAN BERNARDINO
Address Description:	2264 E. AVION PLACE	**Latitude:**	34.047739
Office:	CLEANUP CYPRESS	**Longitude:**	-117.600991
Special Program:		**Acres:**	NONE SPECIFIED
Funding:		**Supervisor:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Status: INACTIVE - NEEDS EVALUATION
A2 Program Type: TIERED PERMIT
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002752

20	1 of 2	W	0.07 / 349.75	909.02 / 0	ONTARIO INT. AIRPORT 1923 EAST AVION STREET ONTARIO CA 91761	EMISSIONS

2000 Criteria Data

Facility ID:	180024	**CERR Code:**	
Facility SIC Code:	4581	**TOGT:**	99.68
CO:	36	**ROGT:**	88.92
Air Basin:	SC	**COT:**	806.166
District:	SC	**NOXT:**	491.7
COID:	SBD	**SOXT:**	22.32
DISN:	SOUTH COAST AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2000 Toxic Data

Facility ID:	180024	**COID:**	SBD
Facility SIC Code:	4581	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	180024	**CERR Code:**	B
Facility SIC Code:	4581	**TOGT:**	99.68
CO:	36	**ROGT:**	88.92
Air Basin:	SC	**COT:**	806.16
District:	SC	**NOXT:**	491.7
COID:	SBD	**SOXT:**	22.32
DISN:	SOUTH COAST AQMD	**PMT:**	0
CHAPIS:	Y	**PM10T:**	0

2001 Toxic Data

Facility ID:	180024	**COID:**	SBD
Facility SIC Code:	4581	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	Y
Air Basin:	SC	**CERR Code:**	B
District:	SC		
TS:			

Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2002 Criteria Data

Facility ID:	180024	***CERR Code:***	
Facility SIC Code:	4581	***TOGT:***	201.134
CO:	36	***ROGT:***	180.029
Air Basin:	SC	***COT:***	886.289
District:	SC	***NOXT:***	425.697
COID:	SBD	***SOXT:***	38.953
DISN:	SOUTH COAST AQMD	***PMT:***	9.19968123861566484517304189435336976 32
CHAPIS:	Y	***PM10T:***	8.848

2002 Toxic Data

Facility ID:	180024	***COID:***	SBD
Facility SIC Code:	4581	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	Y
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2003 Criteria Data

Facility ID:	180024	***CERR Code:***	B
Facility SIC Code:	4581	***TOGT:***	99.68
CO:	36	***ROGT:***	88.89
Air Basin:	SC	***COT:***	806.16
District:	SC	***NOXT:***	491.7
COID:	SBD	***SOXT:***	22.32
DISN:	SOUTH COAST AQMD	***PMT:***	0
CHAPIS:	Y	***PM10T:***	0

2003 Toxic Data

Facility ID:	180024	***COID:***	SBD
Facility SIC Code:	4581	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	Y
Air Basin:	SC	***CERR Code:***	B
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2004 Criteria Data

Facility ID:	180024	***CERR Code:***	
Facility SIC Code:	4581	***TOGT:***	201.134
CO:	36	***ROGT:***	180.029
Air Basin:	SC	***COT:***	886.289
District:	SC	***NOXT:***	425.697
COID:	SBD	***SOXT:***	38.953
DISN:	SOUTH COAST AQMD	***PMT:***	9.19968123861566484517304189435336976 32
CHAPIS:	Y	***PM10T:***	8.848

2004 Toxic Data

Facility ID:	180024	***COID:***	SBD
Facility SIC Code:	4581	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	Y
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	180024	***CERR Code:***	
Facility SIC Code:	4581	***TOGT:***	201.134
CO:	36	***ROGT:***	180.029
Air Basin:	SC	***COT:***	886.289
District:	SC	***NOXT:***	425.697
COID:	SBD	***SOXT:***	38.953
DISN:	SOUTH COAST AQMD	***PMT:***	9.19968123861566484517304189435336976 32
CHAPIS:	Y	***PM10T:***	8.848

2005 Toxic Data

Facility ID:	180024	***COID:***	SBD
Facility SIC Code:	4581	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	Y
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	180024	***CERR Code:***	
Facility SIC Code:	4581	***TOGT:***	201.134
CO:	36	***ROGT:***	180.029
Air Basin:	SC	***COT:***	886.289
District:	SC	***NOXT:***	425.697
COID:	SBD	***SOXT:***	38.953
DISN:	SOUTH COAST AQMD	***PMT:***	9.19968123861566484517304189435336976 32
CHAPIS:	Y	***PM10T:***	8.848

2006 Toxic Data

Facility ID:	180024	***COID:***	SBD
Facility SIC Code:	4581	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	Y
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	180024	**CERR Code:**	
Facility SIC Code:	4581	**TOGT:**	201.134
CO:	36	**ROGT:**	180.029
Air Basin:	SC	**COT:**	886.289
District:	SC	**NOXT:**	425.697
COID:	SBD	**SOXT:**	38.953
DISN:	SOUTH COAST AQMD	**PMT:**	9.19968123861566484517304189435336976 32
CHAPIS:	Y	**PM10T:**	8.848

2007 Toxic Data

Facility ID:	180024	**COID:**	SBD
Facility SIC Code:	4581	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	Y
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	180024	**CERR Code:**	
Facility SIC Code:	4581	**TOGT:**	61.401763559
CO:	36	**ROGT:**	60.945162289
Air Basin:	SC	**COT:**	424.58504162
District:	SC	**NOXT:**	425.093043202
COID:	SBD	**SOXT:**	41.87552956
DISN:	SOUTH COAST AQMD	**PMT:**	8.977978862175431840686544174276598085 59
CHAPIS:	Y	**PM10T:**	8.661800409

2008 Toxic Data

Facility ID:	180024	**COID:**	SBD
Facility SIC Code:	4581	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	Y
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	180024	**CERR Code:**	
Facility SIC Code:	4581	**TOGT:**	61.401763559
CO:	36	**ROGT:**	60.945162289
Air Basin:	SC	**COT:**	424.58504162
District:	SC	**NOXT:**	425.093043202
COID:	SBD	**SOXT:**	41.87552956
DISN:	SOUTH COAST AQMD	**PMT:**	8.977978862175431840686544174276598085 59
CHAPIS:	Y	**PM10T:**	8.661800409

2009 Toxic Data

Facility ID:	180024	**COID:**	SBD
Facility SIC Code:	4581	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	Y

Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CERR Code:

2010 Toxic Data

Facility ID: 180024
Facility SIC Code: 4581
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS: Y
CERR Code:

2011 Criteria Data

Facility ID: 180024
Facility SIC Code: 4581
CO: 36
Air Basin: SC
District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS: Y
CERR Code:
TOGT: 61.401763559
ROGT: 60.945162289
COT: 424.58504162
NOXT: 425.093043202
SOXT: 41.87552956
PMT: 8.977978862175431840686544174276598085 59
PM10T: 8.661800409

2011 Toxic Data

Facility ID: 180024
Facility SIC Code: 4581
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS: Y
CERR Code:

2013 Criteria Data

Facility ID: 180024
Facility SIC Code: 4581
CO: 36
Air Basin: SC
District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS: Y
CERR Code:
TOGT: 51.921
ROGT: 51.536
COT: 287.835
NOXT: 348.905
SOXT: 32.064
PMT: 6.48875713
PM10T: 6.333

2013 Toxic Data

Facility ID: 180024
Facility SIC Code: 4581
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS: Y
CERR Code:

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2014 Criteria Data

Facility ID:	180024	***CERR Code:***	
Facility SIC Code:	4581	***TOGT:***	51.921
CO:	36	***ROGT:***	51.536
Air Basin:	SC	***COT:***	287.835
District:	SC	***NOXT:***	348.905
COID:	SBD	***SOXT:***	32.064
DISN:	SOUTH COAST AQMD	***PMT:***	6.48875713
CHAPIS:	Y	***PM10T:***	6.333

2014 Toxic Data

Facility ID:	180024	***COID:***	SBD
Facility SIC Code:	4581	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	Y
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

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20 | ***2 of 2*** | ***W*** | ***0.07 / 349.75*** | ***909.02 / 0*** | ***ONTARIO INT AIRPORT***
1923 EAST AVION STREET
ONTARIO CA 91761 | ***EMISSIONS***

2012 Criteria Data

Facility ID:	180024	***CERR Code:***	
Facility SIC Code:	4581	***TOGT:***	51.99842678
CO:	36	***ROGT:***	51.535640784
Air Basin:	SC	***COT:***	287.834312208
District:	SC	***NOXT:***	348.906729672
COID:	SBD	***SOXT:***	32.064167732
DISN:	SOUTH COAST AQMD	***PMT:***	6.48875713
CHAPIS:		***PM10T:***	6.333026959

2012 Toxic Data

Facility ID:	180024	***COID:***	SBD
Facility SIC Code:	4581	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2017 Criteria Data

Facility ID:	180024	***CERR Code:***	
Facility SIC Code:	4581	***TOGT:***	60.9623727679457855825224
CO:	36	***ROGT:***	60.43791706503646759344596
Air Basin:	SC	***COT:***	404.392389194740124856632 96
District:	SC	***NOXT:***	388.022118325982119960777 28
COID:	SBD	***SOXT:***	40.564289372092358342007 88

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DISN:	SOUTH COAST AQMD	**PMT:**	7.4885506146207588062503483606557377049 2
CHAPIS:		**PM10T:**	7.30882539986986059490034

2017 Toxic Data

Facility ID:	180024	**COID:**	SBD
Facility SIC Code:	4581	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

21	*1 of 2*	*ESE*	*0.07 / 360.02*	*891.71 / -18*	***EXPRESSJET AIRLINES INC 2475 E AVION DRIVE ONTARIO CA 91761***	***RCRA NON GEN***

EPA Handler ID:	CAR000183244
Gen Status Universe:	No Report
Contact Name:	RONALD SCHULTZ
Contact Address:	700 N SAM HOUSTON PKWY W , STE 200 , HOUSTON , TX, 77067 , US
Contact Phone No and Ext:	832-353-3432
Contact Email:	RONALD.SCHULTZ@EXPRESSJET.COM
Contact Country:	US
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	Private
Receive Date:	20090708
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20070406
Handler Name:	EXPRESSJET AIRLINES INC
Source Type:	Notification
Federal Waste Generator Code:	2

Generator Code Description: Small Quantity Generator

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20070509
Handler Name: EXPRESSJET AIRLINES INC
Source Type: Notification
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20090708
Handler Name: EXPRESSJET AIRLINES INC
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: EXPRESSJET AIRLINES
Date Became Current: 20070401
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1:
Street 2:
City:
State:
Country:
Zip Code:

Owner/Operator Ind: Current Owner
Type: Municipal
Name: LOS ANGELES WORLD AIRPORTS
Date Became Current: 19850101
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1: 1 WORLD WAY
Street 2:
City: LOS ANGELES
State: CA
Country: US
Zip Code: 90045

Historical Handler Details

Receive Dt: 20070509
Generator Code Description: Small Quantity Generator
Handler Name: EXPRESSJET AIRLINES INC

Receive Dt: 20070406
Generator Code Description: Small Quantity Generator
Handler Name: EXPRESSJET AIRLINES INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	2 of 2	ESE	0.07 / 360.02	891.71 / -18	EXPRESSJET AIRLINES 2475 E AVION ST ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0011228
Owner Info: EXPRESS JET AIRLINES, INC.
Mailing Care of: RONALD SCHULTZ
Mailing Address 1: 700 N. SAM HOUSTON PARKWAY W. SUITE 200
Mailing Address 2:
Mailing City: HOUSTON
Mailing State: TX
Mailing Zip: 77067

Detail(s)

Permit ID: PT0019380
Status: INACTIVE
Program Element Code: 4204
Permit Desc: HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)
To: 9/30/2009

Permit ID: PT0019381
Status: INACTIVE
Program Element Code: 5415
Permit Desc: UW HANDLER WITH ANOTHER CUPA PERMIT
To: 9/30/2007

Permit ID: PT0019379
Status: INACTIVE
Program Element Code: 4412
Permit Desc: HAZARDOUS WASTE GENERATOR - 26-50 EMPLOYEES
To: 9/30/2009

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	1 of 2	ESE	0.08 / 427.90	898.44 / -11	FAA Air Traffic Control Tower (ONT) 1250 Tower Drive Ontaio CA 91761	UST

Facility ID: FA0003030
CERS ID: 10121908
County: San Bernardino
Latitude: 34.0512
Longitude: -117.5994
Permitting Agency: San Bernardino County Fire Department
Note: Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search
Site Facility Type: PERMITTED UNDERGROUND STORAGE TANK (UST)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	2 of 2	ESE	0.08 / 427.90	898.44 / -11	FEDERAL AVIATION ADMINISTRATION 1250 TOWER DRIVE ONTARIO CA 91761	RCRA NON GEN

EPA Handler ID: CAC003120717
Gen Status Universe: No Report
Contact Name: ONTARIO ENV SSC
Contact Address: 1130 SOUTH ARCHIBALD AVENUE , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext: 909-418-2601
Contact Email: BILL.BOTTIN@FAA.GOV
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20210520
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20210520
Handler Name:	FEDERAL AVIATION ADMINISTRATION
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1130 SOUTH ARCHIBALD AVENUE
Name:	FEDERAL AVIATION ADMINISTRATION	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	909-418-2601	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1130 SOUTH ARCHIBALD AVENUE
Name:	ONTARIO ENV SSC	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	909-418-2601	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	*1 of 2*	*E*	*0.08 / 434.24*	*902.09 / -7*	***ONTARIO FIRE DEPARTMENT STATION NO 10 1230 TOWER DR ONTARIO, CA 91761 CA***	***MED WST SANBERN***

Facility County:	
Facility ID:	FA0032277
Facility Zip:	91761

Details

PE: 4828

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Element: SQG - MEDICAL WASTE
Mailing Address:
Mailing City:
Mailing State:
Mailing Zip:
Billing Statuus:
Contact:
Care of:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	2 of 2	E	0.08 / 434.24	902.09 / -7	ONTARIO FIRE STATION NO 10 1230 TOWER DR ONTARIO, CA 91761 CA	MED WST SANBERN

Facility County:
Facility ID: FA0032277
Facility Zip: 91761

Details

PE: 4828
Program Element: SQG - MEDICAL WASTE
Mailing Address:
Mailing City:
Mailing State:
Mailing Zip:
Billing Statuus:
Contact:
Care of:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	1 of 1	ESE	0.08 / 439.46	892.95 / -16	USANG ONTARIO AIR NATIONAL GUARD STATION 1280 S TOWER DR ONTARIO CA 91761-7627	RCRA SQG

EPA Handler ID: CA8572890137
Gen Status Universe: Small Quantity Generator
Contact Name: JON SATROM
Contact Address: 3430 BUNDY AVE , , MARCH A F B , CA, 92518-1504 , US
Contact Phone No and Ext: 909-697-6722
Contact Email:
Contact Country: US
County Name: SAN BERNARDINO
EPA Region: 09
Land Type: Federal
Receive Date: 19990208
Location Latitude: 34.048997
Location Longitude: -117.598644

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No

Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: USANG ONTARIO AIR NATIONAL GUARD STATION
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19990208
Handler Name: USANG ONTARIO AIR NATIONAL GUARD STATION
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE

SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F027
Waste Code Description: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

Hazardous Waste Code: F037
Waste Code Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19990208
Handler Name: USANG ONTARIO AIR NATIONAL GUARD STATION
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Federal	***Street 1:***	3430 BUNDY AVE
Name:	AIR FORCE BASE CONVERSION AGENCY	***Street 2:***	
Date Became Current:		***City:***	MARCH A F B
Date Ended Current:		***State:***	CA
Phone:	909-697-6722	***Country:***	
Source Type:	Notification	***Zip Code:***	92518-1504

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Federal	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Implementer	***Zip Code:***	99999

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Federal	**Street 1:**	3430 BUNDY AVE
Name:	AIR FORCE BASE CONVERSION AGENCY	**Street 2:**	
Date Became Current:		**City:**	MARCH A F B
Date Ended Current:		**State:**	CA
Phone:	909-697-6722	**Country:**	
Source Type:	Implementer	**Zip Code:**	92518-1504

Historical Handler Details

Receive Dt:	19990208
Generator Code Description:	Large Quantity Generator
Handler Name:	USANG ONTARIO AIR NATIONAL GUARD STATION

Receive Dt:	19960901
Generator Code Description:	Small Quantity Generator
Handler Name:	USANG ONTARIO AIR NATIONAL GUARD STATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	1 of 2	SE	0.08 / 443.65	885.30 / -24	HI QUALITY INT'L INC 2530 E LINDSAY PRIVADO A ONTARIO CA 91761	SANBERN CUPA

Facility ID:	FA0003768
Owner Info:	HI QUALITY INT'L INC
Mailing Care of:	
Mailing Address 1:	1849 SAWTELLE BLVD, SUITE 543
Mailing Address 2:	
Mailing City:	LOS ANGELES
Mailing State:	CA
Mailing Zip:	90025-9002

Detail(s)

Permit ID:	PT0000258
Status:	INACTIVE
Program Element Code:	4410
Permit Desc:	HAZARDOUS WASTE GENERATOR - 0-10 EMPLOYEES
To:	2/28/2002

Permit ID:	PT0000262
Status:	INACTIVE
Program Element Code:	4202
Permit Desc:	HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)
To:	2/28/2002

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	2 of 2	SE	0.08 / 443.65	885.30 / -24	KEYSTONE AUTOMOTIVE IND INC 2530 E LINDSAY PRIVADO DR STEC ONTARIO CA 91761	SANBERN CUPA

Facility ID:	FA0011783
Owner Info:	LKQ CORPORATION
Mailing Care of:	BJBARBOUR@LKQCORP.COM
Mailing Address 1:	2530 E LINDSAY PRIVADO DR STE C
Mailing Address 2:	
Mailing City:	ONTARIO
Mailing State:	CA
Mailing Zip:	91761-3460

Detail(s)

Permit ID:	PT0020640
Status:	INACTIVE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 8/31/2021

Permit ID: PT0020639
Status: INACTIVE
Program Element Code: 4244
Permit Desc: HAZARDOUS MATERIALS 11-30 CHEMICALS
To: 8/31/2021

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26 | **1 of 2** | **ESE** | **0.09 / 451.40** | **899.23 / -10** | **FAA Air Traffic Control Tower (ONT)**
1250 TOWER DR
ONTARIO CA 91761 | **SANBERN CUPA**

Facility ID: FA0003030
Owner Info: Federal Aviation Administration
Mailing Care of:
Mailing Address 1: 1130 S. Archibald Avenue
Mailing Address 2:
Mailing City: Ontario
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0010371
Status: ACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2021

Permit ID: PT0029969
Status: INACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 10/31/2017

Permit ID: PT0034079
Status: ACTIVE
Program Element Code: 4260
Permit Desc: HAZMAT HANDLER, UST ONLY - PER YEAR
To: 10/31/2021

Permit ID: PT0006415
Status: INACTIVE
Program Element Code: 4221
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 10/31/2013

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26 | **2 of 2** | **ESE** | **0.09 / 451.40** | **899.23 / -10** | **FAA Air Traffic Control Tower (ONT)**
1250 TOWER DRIVE
ONTAIO CA 91761 | **CERS TANK**

Site ID: 29330 **Latitude:** 34.051200
Longitude: -117.599400

Regulated Programs

EI ID: 10121908
EI Description: Underground Storage Tank

EI ID: 10121908
EI Description: Chemical Storage Facilities

Violations

Violation Date: 04/22/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Notes:

Violation Description:

Violations

Violation Date: 06/04/2014 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Notes:

Violation Description:

Violations

Violation Date: 06/04/2014 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Notes:

Violation Description:

Violations

Violation Date: 06/04/2014 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Notes:

Violation Description:

Violations

Violation Date: 04/28/2020 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Notes:

Violation Description:

Violations

Violation Date: 06/04/2014 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Notes:

Violation Description:

Violations

Violation Date: 06/04/2014 **Violation Source:** CERS
Violation Program: UST **Violation Division:** San Bernardino County Fire Department
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Notes:

Violation Description:

Violations

Violation Date: 07/17/2014 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** San Bernardino County Fire Department
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Violation Description:

Violations

Violation Date: 06/04/2014 **Violation Source:** CERS
Violation Program: UST **Violation Division:** San Bernardino County Fire Department
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Notes:

Violation Description:

Violations

Violation Date: 04/11/2017 **Violation Source:** CERS
Violation Program: UST **Violation Division:** San Bernardino County Fire Department
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Notes:

Violation Description:

Violations

Violation Date: 04/28/2020 **Violation Source:** CERS
Violation Program: UST **Violation Division:** San Bernardino County Fire Department
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Notes:

Violation Description:

Enforcements

Enf Action Date: 04/11/2017 **Enf Action Program:** UST
Enf Action Type: Notice of Violation (Unified Program) **Enf Action Source:** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 06/04/2014 **Enf Action Program:** UST
Enf Action Type: Notice of Violation (Unified Program) **Enf Action Source:** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 07/17/2014 **Enf Action Program:** HMRRP

Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 04/16/2021
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/22/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/14/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/11/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/28/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 06/04/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/22/2019

Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/22/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 07/17/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 08/07/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 04/12/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 04/14/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/16/2021
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/14/2016

Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 08/07/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 04/12/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Operator
Entity Name: Federal Aviation Administration
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (909) 605-0047

Affil Type Desc: UST Property Owner Name
Entity Name: Federal Aviation Administration
Entity Title:
Address: 1130 S. Archibald Avenue
City: Ontario
State: CA
Country: United States
Zip Code: 91761
Phone: (909) 605-0047

Affil Type Desc: Parent Corporation
Entity Name: FAA- SCT GROUP- ONT SSC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: UST Tank Operator
Entity Name: Federal Aviation Administration
Entity Title:
Address: 1130 S. Archibald Avenue
City: Ontario
State: CA
Country: United States

Zip Code: 91761
Phone: (909) 605-0047

Affil Type Desc: UST Tank Owner
Entity Name: Federal Aviation Administration
Entity Title:
Address: 1130 S. Archibald Avenue
City: Ontario
State: CA
Country: United States
Zip Code: 91761
Phone: (909) 605-0047

Affil Type Desc: Environmental Contact
Entity Name: SECM
Entity Title:
Address: 9175 Kearny Villa Road
City: San Diego
State: CA
Country:
Zip Code: 92126
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1130 S. Archibald Avenue
City: Ontario
State: CA
Country:
Zip Code: 91761
Phone:

Affil Type Desc: Identification Signer
Entity Name: Bill Bottin
Entity Title: SECM
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: Federal Aviation Administration
Entity Title:
Address: 1130 S. Archibald Avenue
City: Ontario
State: CA
Country: United States
Zip Code: 91761
Phone: (909) 605-0047

Affil Type Desc: UST Permit Applicant
Entity Name: Ben Ortega
Entity Title: Manager, ONT SSC
Address:
City:
State:
Country:
Zip Code:
Phone: (909) 605-0047

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:
Address: 620 South E Street
City: San Bernardino
State: CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Affil Type Desc: Document Preparer
Entity Name: bill bottin
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

27	1 of 1	ESE	0.09 / 451.43	899.23 / -10	FE-FAA ONT ATCT 1250 TOWER ST ONTARIO CA 91761	DELISTED TNK

Delisted Storage Tanks

Facility ID: 92028867
Permitting Agency: SAN BERNARDINO COUNTY
County: San Bernardino
Original Source: UST
Record Date: 30-JAN-2017
Latitude: 34.05019
Longitude: -117.59859

28	1 of 1	W	0.10 / 533.99	910.32 / 1	LSG SKY CHEFS 1902 E AVION AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0004593
Owner Info: LSG SKY CHEFS
Mailing Care of:
Mailing Address 1: 1902 EAST AVION AVE
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761-0000

Detail(s)

Permit ID: PT0004364
Status: INACTIVE
Program Element Code: 4223
Permit Desc: HAZMAT HANDLER 26-50 EMPLOYEES
To: 4/30/2013

Permit ID: PT0022594
Status: INACTIVE
Program Element Code: 4031
Permit Desc: APSA 1,320-10,000 GAL FAC CAPACITY
To: 4/30/2013

Permit ID: PT0004365
Status: INACTIVE
Program Element Code: 4420
Permit Desc: SPECIAL GENERATOR
To: 4/30/2013

29	1 of 3	SSE	0.10 / 534.64	888.74 / -21	THE FOLAND GROUP 1500 S HELLMAN AVE ONTARIO CA 91761	SANBERN CUPA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: FA0008308
Owner Info: Dennis Foland
Mailing Care of:
Mailing Address 1: 1500 S HELLMAN AVE
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0014529
Status: ACTIVE
Program Element Code: 4241
Permit Desc: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
To: 5/31/2021

Permit ID: PT0024119
Status: INACTIVE
Program Element Code: 4270
Permit Desc: EPCRA FACILITY
To: 5/31/2014

29	2 of 3	SSE	0.10 / 534.64	888.74 / -21	THE FOLAND GROUP 1500 S HELLMAN AVE ONTARIO CA 91761	DELISTED HAZ

Siteid: 160738
Latitude: 34.046551
Longitude: -117.603410
Original Source: CHAZ
Record Date: 04-JAN-2018

29	3 of 3	SSE	0.10 / 534.64	888.74 / -21	THE FOLAND GROUP 1500 S HELLMAN AVE ONTARIO CA 91761	CERS HAZ

Site ID: 550707
Latitude: 34.046551
Longitude: -117.603410
County:

Regulated Programs

EI ID: 10048360 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 07/17/2019 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 07/19/2019. OBSERVATION: The CERS business plan was last submitted on 1/16/2018. CORRECTIVE ACTION: Review and certify the business plan within 30 days and yearly before March 1.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 10/16/2013 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Notes:

Returned to compliance on 07/17/2019.

Violation Description:

Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

Violations

Violation Date: 05/17/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 07/17/2019.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 05/17/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 07/17/2019.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violations

Violation Date: 07/17/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 07/19/2019. OBSERVATION: A emergency response plan was not submitted as part of the 2018 CERS submittal. CORRECTIVE ACTION: Submit a complete emergency response plan into the California Environmental Reporting System (CERS).

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Enforcements

Enf Action Date: 10/16/2013 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 05/17/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

ROUTINE HANDLER INSPECTION-FOLAND GROUP; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/16/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

ROUTINE HANDLER INSPECTION-THE FOLAND GROUP; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/17/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1500 South Hellman Ave
City: Ontario
State: CA
Country:
Zip Code: 91761
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Joe Martin
Entity Title:
Address: 1500 South Hellman Ave
City: Ontario
State: CA
Country:
Zip Code: 91761
Phone:

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:
Address: 620 South E Street
City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153

Phone: (909) 386-8401

Affil Type Desc: Parent Corporation
Entity Name: The Foland Group OS5
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: Joe Martin
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Property Owner
Entity Name: Victor Enterprises
Entity Title:
Address: 16400 Southcenter Parkway #308
City: Seattle
State: WA
Country: United States
Zip Code: 98188
Phone: (206) 394-9630

Affil Type Desc: Identification Signer
Entity Name: Joe martin
Entity Title: Operations Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: Dennis Foland
Entity Title:
Address: 1500 South Hellman Ave
City: Ontario
State: CA
Country: United States
Zip Code: 91761
Phone: (909) 930-9900

Affil Type Desc: Operator
Entity Name: The Foland Group
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (909) 930-9900

Coordinates

Env Int Type Code: HMBP
Program ID: 10048360
Latitude: 34.046543
Longitude: -117.603401
Coord Name:
Ref Point Type Desc: Unknown

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	1 of 2	W	0.10 / 551.58	910.64 / 1	1801 AVION STREET ONTARIO CA	HMIRS

Incident County: SAN BERNARDINO

HMIR Historical Reports

Report No:	I-2004050841	**Fed DOT Agency Nm:**	
Report Type:	A hazardous material incident	**Fed DOT Report No:**	
Date of Incident:	05/06/2004	**Report Submit Src:**	Paper
Time of Incident:	1920	**Inc Multiple Rows:**	No
Haz Class Code:	8	**Inc Non US State:**	
Hazardous Class:	CORROSIVE MATERIAL	**Mode Transport:**	Air
Commodity Short Nm:	CORROSIVE LIQUID ACIDIC	**Transport Phase:**	UNLOADING
Commodity Long Nm:	CORROSIVE LIQUID ACIDIC INORGANIC N. O.S.	**Incident Occrrnce:**	
Trade Name:		**Mat Ship Approval?:**	No
ID No:	UN3264	**Mat Ship Approv No:**	
Haz Waste Ind:	No	**Undecl Hazmat Ship?:**	No
Haz Waste EPA No:		**Packaging Type:**	Non-Bulk
HMIS Tox Inhalation?:	No	**Packing Group:**	
TIH Hazard Zone:		**Carrier Reporter:**	FEDERAL EXPRESS CORPORATION
Qty Released:	0.000264	**CR Street Name:**	3670 HACKS CROSS RD G
Unit of Measure:	Liquid - Gallon	**CR City:**	MEMPHIS
What Failed:	109	**CR State:**	TN
What Failed Desc:	Closure (e.g. Cap Top or Plug)	**CR Postal Code:**	38125-8800
How Failed Code:		**CR Non US State:**	
How Failed Desc:		**CR Fed DOT ID:**	462336
Failure Cause Code:	526	**CR Hazmat Reg ID:**	
Failure Cause Desc:	Loose Closure Component or Device	**CR Country:**	US
Ident. Markings:		**Shipper Name:**	ADVANCED CARDIOVASCULAR SYSTEMS INC
Cont1 Pkging Type:		**Shipper Street Name:**	26531 YNEZ RD
Cont1 Const Mat:		**Shipper City:**	TEMECULA
Cont1 Head Type:		**Shipper State:**	CA
Cont1 Pkg Capacity:	8.45	**Shipper Postal:**	92591-4630
C1 Capacity UOM:	LGA	**Shipper Non US St:**	
Cont1 Pkg Amt:		**Shipper Country:**	US
C1 Pkg Amt UOM:		**Shipper Waybill:**	621570587310
Cont1 Pkg No:	2	**Ship Hazmat Reg ID:**	
C1 Pkg NO Failed:	1	**Origin City:**	TEMECULA
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	**Origin State:**	CALIFORNIA
Cont1 Pkg Mnfct Dt:		**Origin Postal:**	92591
Cont1 Pkg Serial NO:		**Origin Non US St:**	
C1 Pkg Last Test Dt:		**Origin Country:**	US
C1 Test Const Mat:		**Destination City:**	COMUNIDAD ARENALES
C1 Pkg Dsign Pres.:		**Destination State:**	PUERTO RICO
C1 Dsign Press UOM:		**Destination Postal:**	00646
C1 Pkg Shell Thick:		**Destination Non US:**	
C1 Shell Thick UOM:		**Destination Country:**	US
C1 Head Thickness:		**Cont2 Package Type:**	
C1 Head Thick UOM:		**Cont2 Const Mat:**	
C1 Pkg Srvc Pres.:		**Cont2 Pkg Capacity:**	
C1 Srvc Press UOM:		**Cont2 Capacity UOM:**	
C1 Valve/Device Fail?:	No	**Cont2 Pkg Amount:**	
C1 Device Type:		**Cont2 Pkg Amt UOM:**	
C1 Device Mnfctr:		**Cont2 Pkg No:**	
C1 Device Model:		**Cont2 Pkg No Failed:**	
NRC No:			

RAM Pkg Category:		**Haz NonHosp Public:**	0
RAM Pkg Cert.:	FALSE	**Haz NonHosp Old:**	0
RAM Pkg Cert. NBR:		**Tot Haz Non Hosp Inj:**	0
RAM Nuclide S:		**Total Hazmat Injuries:**	0
RAM Transport Index:		**Evacuation Indicator:**	No
RAM UOM:		**Public Evacuated:**	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAM Activity Rpted:		**Employees Evac:**	0
RAM UOM Rpted:		**Total Evacuated:**	0
RAM Activity:		**Total Evacuation Hrs:**	0
RAM Activity UOM:		**Major Artery Closed:**	No
RAM Mat Safety:		**Mjr Artery Hrs Closed:**	0
Spillage Result:	Yes	**Material Involved:**	No
Fire Result:	No	**Estimated Speed:**	0
Explosion Result:	No	**Weather Conditions:**	
Water Sewer Result:	No	**Vehicle Overturn:**	No
Gas Dispersion:	No	**Vehicle Left Roadway:**	No
Environment Damage:	No	**Passenger Aircraft:**	No
No Release Result:	No	**Cargo Baggage:**	
Fire EMS Report:	No	**Ship Non Transport:**	No
Fire EMS EMS Report:		**Ship Air First Flight:**	No
Police Report:	No	**Ship Air Subflight:**	No
Police Report No:		**Ship Init Transport:**	No
In House Cleanup:	No	**Ship Phase Transfer:**	No
Other Cleanup:	No	**Contact Name:**	VIVIAN MONTGOMERY
Damage > 500:	No	**Contact Title:**	SR SAFETY SPEC/DNG GOODS
Material Loss:	0	**Contact Business:**	
Carrier Damage:	0	**Contact Street:**	
Property Damage:	0	**Contact City:**	
Response Cost:	0	**Contact State:**	
Remediation Cost:	0	**Contact Postal:**	
Damage Old Form:	0	**Contact Non US St:**	
Total Damages Amt:	0	**Contact Country:**	US
Hazmat Fatality:	No	**Inc. Report Prepared:**	
Haz Fatal Employees:	0	**HMIS Serious Incidnt:**	No
Haz Fatal Respndrs:	0	**HMIS Serious Fatality:**	No
Haz Fatal Gen Public:	0	**HMIS Serious Injury:**	No
Tot Hazmat Fatalities:	0	**HMIS Flight Plan:**	No
Non Hazmat Fatality:	No	**HMIS Serious Evacs:**	No
Non Hazmat Fatals:	0	**HMIS Major Artery:**	No
Hazmat Injury:	No	**HMIS Bulk Release:**	No
Haz Hospital Empl:	0	**HMIS Marine Pollutnt:**	No
Haz Hospital Resp:	0	**HMIS Radioactive:**	No
Haz Hosp Gen Public:	0	**HMIS Gen Pkg Type:**	OHMIR.Ref_Container.descr_txt
Haz Hosp Old Form:	0	**HMIS Container Code:**	DRUM PLS
Total Haz Hosp Inj:	0	**HMIS Container Desc:**	Plastic drum
Haz Non Hosp Empl:	0	**HMIS Bulk Incident:**	No
Haz Non Hosp Resp:	0	**Undeclared Shipment:**	No

Description of Events: WHILE UNLOADING THE CAN FROM THE DOWNLINE STATION THIS PACKAGE WAS NOTED AS LEAKING. THE DRUM WAS IMMEDIATELY ISOLATED AND THE SPILL CLEANED UP IN ACCORDANCE WITH SCU PROCEDURES.

Recommend Actions Taken:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	2 of 2	W	0.10 / 551.58	910.64 / 1	1801 AVION STREET ONTARIO CA	HMIRS

Incident County: SAN BERNARDINO

HMIR Incident Reports

Report No:	I-2004050841	**Fed DOT Agency Nm:**	
Report Type:	A hazardous material incident	**Fed DOT Report No:**	
Date of Incident:	2004-05-06	**Report Submit Src:**	Paper
Time of Incident:	1920	**Inc Multiple Rows:**	No
Haz Class Code:		**Inc Non US State:**	
Hazardous Class:	8	**Mode Transport:**	Air
Commodity Short Nm:	CORROSIVE LIQUID, ACIDIC	**Transport Phase:**	Unloading
Commodity Long Nm:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	**Incident Occrrnce:**	
Trade Name:		**Mat Ship Approval?:**	No
ID No:	UN3264	**Mat Ship Approv No:**	
Haz Waste Ind:	No	**Undecl Hazmat Ship?:**	No
Haz Waste EPA No:		**Packaging Type:**	Non-Bulk

HMIS Tox Inhalation?:	No	**Packing Group:**	
TIH Hazard Zone:		**Carrier Reporter:**	FEDERAL EXPRESS CORP
Qty Released:	0.000264	**CR Street Name:**	3670 HACKS CROSS ROAD
Unit of Measure:	Liquid - Gallon	**CR City:**	MEMPHIS
What Failed:	109	**CR State:**	TN
What Failed Desc:	Closure (e.g., Cap, Top, or Plug)	**CR Postal Code:**	38125
How Failed Code:		**CR Non US State:**	
How Failed Desc:		**CR Fed DOT ID:**	462336
Failure Cause Code:	526	**CR Hazmat Reg ID:**	
Failure Cause Desc:	Loose Closure, Component, or Device	**CR Country:**	US
Ident. Markings:		**Shipper Name:**	GUIDANT CORP
Cont1 Pkging Type:		**Shipper Street Name:**	26531 YNEZ RD
Cont1 Const Mat:		**Shipper City:**	TEMECULA
Cont1 Head Type:		**Shipper State:**	CA
Cont1 Pkg Capacity:	8.45	**Shipper Postal:**	92591
C1 Capacity UOM:	LGA	**Shipper Non US St:**	
Cont1 Pkg Amt:	0	**Shipper Country:**	US
C1 Pkg Amt UOM:		**Shipper Waybill:**	621570587310
Cont1 Pkg No:	2	**Ship Hazmat Reg ID:**	
C1 Pkg NO Failed:	1	**Origin City:**	
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	**Origin State:**	
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	**Origin Postal:**	
Cont1 Pkg Serial NO:		**Origin Non US St:**	
C1 Pkg Last Test Dt:	0-00-00 00:00:00	**Origin Country:**	US
C1 Test Const Mat:		**Destination City:**	COMUNIDAD ARENALES
C1 Pkg Dsign Pres.:	0	**Destination State:**	PUERTO RICO
C1 Dsign Press UOM:		**Destination Postal:**	00646
C1 Pkg Shell Thick:	0	**Destination Non US:**	
C1 Shell Thick UOM:		**Destination Country:**	US
C1 Head Thickness:	0	**Cont2 Package Type:**	
C1 Head Thick UOM:		**Cont2 Const Mat:**	
C1 Pkg Srvc Pres.:	0	**Cont2 Pkg Capacity:**	0
C1 Srvc Press UOM:		**Cont2 Capacity UOM:**	
C1 Valve/Device Fail?:	No	**Cont2 Pkg Amount:**	0
C1 Device Type:		**Cont2 Pkg Amt UOM:**	
C1 Device Mnfctr:		**Cont2 Pkg No:**	0
C1 Device Model:		**Cont2 Pkg No Failed:**	0
NRC No:			

RAM Pkg Category:		**Haz NonHosp Public:**	0
RAM Pkg Cert.:	FALSE	**Haz NonHosp Old:**	
RAM Pkg Cert. NBR:		**Tot Haz Non Hosp Inj:**	
RAM Nuclide S:		**Total Hazmat Injuries:**	0
RAM Transport Index:		**Evacuation Indicator:**	No
RAM UOM:		**Public Evacuated:**	0
RAM Activity Rpted:	0	**Employees Evac:**	0
RAM UOM Rpted:		**Total Evacuated:**	0
RAM Activity:	0	**Total Evacuation Hrs:**	0
RAM Activity UOM:		**Major Artery Closed:**	No
RAM Mat Safety:		**Mjr Artery Hrs Closed:**	0
Spillage Result:	Yes	**Material Involved:**	No
Fire Result:	No	**Estimated Speed:**	0
Explosion Result:	No	**Weather Conditions:**	
Water Sewer Result:	No	**Vehicle Overturn:**	No
Gas Dispersion:	No	**Vehicle Left Roadway:**	No
Environment Damage:	No	**Passenger Aircraft:**	No
No Release Result:	No	**Cargo Baggage:**	
Fire EMS Report:	No	**Ship Non Transport:**	No
Fire EMS EMS Report:		**Ship Air First Flight:**	No
Police Report:	No	**Ship Air Subflight:**	No
Police Report No:		**Ship Init Transport:**	No
In House Cleanup:	No	**Ship Phase Transfer:**	No
Other Cleanup:	No	**Contact Name:**	VIVIAN MONTGOMERY
Damage > 500:	No	**Contact Title:**	SR SAFETY SPEC/DNG GOODS
Material Loss:	0	**Contact Business:**	
Carrier Damage:	0	**Contact Street:**	
Property Damage:	0	**Contact City:**	
Response Cost:	0	**Contact State:**	
Remediation Cost:	0	**Contact Postal:**	

Damage Old Form:	0	**Contact Non US St:**	
Total Damages Amt:	0	**Contact Country:**	US
Hazmat Fatality:	No	**Inc. Report Prepared:**	
Haz Fatal Employees:	0	**HMIS Serious Incidnt:**	No
Haz Fatal Respndrs:	0	**HMIS Serious Fatality:**	No
Haz Fatal Gen Public:	0	**HMIS Serious Injury:**	No
Tot Hazmat Fatalities:	0	**HMIS Flight Plan:**	No
Non Hazmat Fatality:	No	**HMIS Serious Evacs:**	No
Non Hazmat Fatals:	0	**HMIS Major Artery:**	No
Hazmat Injury:	No	**HMIS Bulk Release:**	No
Haz Hospital Empl:	0	**HMIS Marine Pollutnt:**	No
Haz Hospital Resp:	0	**HMIS Radioactive:**	No
Haz Hosp Gen Public:	0	**HMIS Gen Pkg Type:**	DRUM NON-METAL
Haz Hosp Old Form:	0	**HMIS Container Code:**	DRUM PLS
Total Haz Hosp Inj:	0	**HMIS Container Desc:**	Plastic drum
Haz Non Hosp Empl:	0	**HMIS Bulk Incident:**	No
Haz Non Hosp Resp:	0	**Undeclared Shipment:**	No

Description of Events: WHILE UNLOADING THE CAN FROM THE DOWNLINE STATION THIS PACKAGE WAS NOTED AS LEAKING. THE DRUM WAS IMMEDIATELY ISOLATED AND THE SPILL CLEANED UP IN ACCORDANCE WITH SCU PROCEDURES.

Recommend Actions Taken:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	1 of 8	ESE	0.11 / 554.90	890.80 / -19	ONTARIO AIR NATIONAL GUARD 2500 JURUPA STREET ONTARIO CA 91761	RESPONSE

Estor/EPA ID:	36970008	**Permit Renewal Lead:**	
Site Code:	400282	**Project Manager:**	STEPHEN NIOU
Nat Priority List:	NO	**Supervisor:**	MANNY ALONZO
Acres:	11 ACRES	**Public Partici Spclst:**	
Special Program:	DSMOA	**Census Tract:**	6071001600
Funding:	* DEFENSE ENVIRONMENTAL RESTORATION PROGRAM (DERP)	**County:**	SAN BERNARDINO
Assembly District:	52	**Latitude:**	34.048333
Senate District:	20	**Longitude:**	-117.596186
School District:			

APN: NONE SPECIFIED
Cleanup Status: CERTIFIED AS OF 9/11/2000
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY;RWQCB 8 - SANTA ANA
Site Type: CLOSED BASE
Office: CLEANUP CYPRESS
Past Use that Caused Contam: AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, EQUIPMENT/INSTRUMENT REPAIR, FUEL - AIRCRAFT STORAGE/ REFUELING
Potential Media Affected: SOIL
Potential Contamin of Concern:

SLUDGE - PAINT
UNSPECIFIED OIL CONTAINING WASTE
UNSPECIFIED SOLVENT MIXTURES

Site History:

Ontario Air National Guard Station (OANGS) is located in the City of Ontario south of Ontario Airport in San Bernardino County. The Station closed in September 1998 and is under the jurisdiction of the Air Force Base Conversion Agency. It is a formerly used defense (FUD) installation. RWQCB issued them a CAO to investigate the GW around 1989 and has been overseeing their SI activities. OANGS is an approximately 11 acre site that borders the southern boundary of the Ontario Airport. There are three Installation restoration Program Sites (SS-01, ST-02, and ST-03) and five area of concerns (AOCs). IRP Site SS-01, which covered the open space area between the maintenance shop (Bldg. 03) and shed (Bldg. 14) and the Cucamonga Creek channel has been approved closed by DTSC and RWQCB based on confirmation samples. IRP Site ST-02 and IRP Site ST-03 contained 3 underground storage tanks that were closed under the supervision of San Bernardino County. The five AOCs included the Septic Tank and Leach Field which were removed and disposed on 1999, two concrete Oil/Water Separators at Bldg. 06 and 14 removed in 1995, a wash rack at Bldg. 10 and a former Fire Training ARea were investigated in 1999 and found clean. Buildings 2, 6, 10, 14 and the Former Fire Training Area are located on OANGS. Building 2 is a Supply Warehouse that was constructed in 1949 and used as a supply shop. Building 6 was constructed in 1962; and was used for aerospace ground equipment maintenance and also as the generator maintenance shop. Hazardous wastes were stored at both facilities. Bldg 10 was a wash rack used to rinse dumpsters and Bldg 14 a vehicle parking shed. Current site conditions and analytical test data indicated that no further action is warranted at all IRP Sites and AOCs.

Status: CERTIFIED
Program Type: STATE RESPONSE

CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008

Completed Activities

Title: Preliminary Endangerment Assessment Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&doc_id=5001105
Area Name:
Area Link:
Sub Area: BULDG
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008&site_id=2004072
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 12/13/1999
Comments: PEA - BLDGS: Site investigations were conducted at Buildings 10, 14 and at the Former Fire Training Area. Based on the sampling results, these sites are considered no further action sites. In addition, the removal actions at buildings 2 and 6 consisted of removing the 750 gallon tanks, associated leach field piping, contaminated soils, residual liquids, sludges, and other waste. The tanks were crushed in place, then hauled by ECI to their facility in Fontana, California for recycling. Based on the confirmation sampling conducted these two sites were clean-closed The excavations were backfilled with imported clean fill and compacted.

Title: Reuse - Site Specific Environmental Baseline Survey
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&doc_id=5001102
Area Name:
Area Link:
Sub Area: 32055
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008&site_id=2004070
Document Type: Environmental Baseline Survey
Date Completed: 8/29/2000
Comments: FOST - 3.2055 acres: The purpose of this finding of Suitability to Terminate Lease (FOSTL) is to document the environmentally- related findings and suitability to release the Air Force from the current lease with the City of Los Angeles, Department of Airports (Lessor). The property will continue to be used as an aviation support area. ` SSEBS - 3.2055 acres: The purpose of this Supplemental Environmental Baseline Survey (SEBS) is to document the environmental findings as related to the storage, release or disposal of hazardous substances, and other environmental conditions over the area's history, in order to establish a baseline for use in making decisions concerning real property transactions. The Air Force will terminate the lease with the City of Los Angeles, Department of Airport. The property will continue to be used as an aviation support area.

Title: Reuse - Finding of Suitability to Transfer
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&doc_id=5001104
Area Name:
Area Link:
Sub Area: 80536
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008&site_id=2004071
Document Type: Finding of Suitability to Transfer
Date Completed: 4/12/2000
Comments: FOST - 8.30536 acres: The purpose of this finding of Suitability to transfer (FOST) is to document the environmentally-related findings and suitability to transfer for the proposed deed of real property and any improvements at Ontario Air National Guard Station to the Ontario Local Redevelopment Authority(Transferee). The property will be transferred by deed and its anticipated use will continue to be an aviation support area. ` SSEBS - 8.30536 acres: The purpose of this supplemental Environ- mental Baseline Surbey (SEBS) is to document the environmentally- related conditions related to the storage, release or disposal of hazardous substances, and other environmental conditions over the area's history in order to establish a baseline for use in making decisions concerning real property transactions. The property will be transferred by deed and its anticipated use will continue to be an aviation support area.

Title: * Site Screening
Title Link:
Area Name:
Area Link:
Sub Area: SI WP
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008&site_id=2004073
Document Type: Site Screening
Date Completed: 10/30/1991
Comments:

Title: Reuse - Site Specific Environmental Baseline Survey
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&doc_id=5001103
Area Name:

Area Link:
Sub Area: 80536
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008&site_id=2004071
Document Type: Environmental Baseline Survey
Date Completed: 4/12/2000
Comments:

Title: Reuse - Basewide Environmental Baseline Survey
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Baseline Survey
Date Completed: 8/6/1996
Comments:

Title: Certification
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&enforcement_id=5001100
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 9/11/2000
Comments:

Title: Community Environmental Response Facilitation Act
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Community Environmental Response Facilitation Act
Date Completed: 3/27/1997
Comments:

Title: USACE INPR Summary
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&doc_id=60459296
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Inventory Project Report (INPR)
Date Completed: 9/20/2002
Comments:

Title: Reuse - Finding of Suitability to Transfer
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&doc_id=5001101
Area Name:
Area Link:
Sub Area: 32055
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008&site_id=2004070
Document Type: Finding of Suitability to Transfer
Date Completed: 8/29/2000
Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	2 of 8	ESE	0.11 / 554.90	890.80 / -19	**Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force)** **2500 Jurupa St.** **Ontario CA 91761**	CLEANUP SITES

Global ID: T0607174695
Status: Completed - Case Closed
Status Date: 9/11/2000
Site Facility Type: Military Cleanup Site
Data Source: Cleanup Sites from GeoTracker Cleanup Sites Data Download
Latitude: 34.048334
Longitude: -117.597907
County: San Bernardino

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: ANG ONT
Local Case No: 400282
Begin Date: 9/11/2000
Stop Method:
CUF Case: NO
Case Worker: PAH
File Location: DTSC
Lead Agency: SANTA ANA RWQCB (REGION 8)
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Potential COC:
Potential Media of Concern:
How Discovered:
How Discovered Description:
Stop Description:
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
DWR GW Subbasin Name: Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community: Severely Disadvantaged Community
CalEnviroScreen Score: 96-100% (highest scores)
Site History:

See http://www.envirostor.dtsc.ca.gov/public

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date: 2019-07-22 00:00:00
Action: Preliminary Site Assessment Report

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2000-09-11 00:00:00

Status: Open - Case Begin Date
Status Date: 2000-09-11 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Phone No:
Organization Name: SANTA ANA RWQCB (REGION 8)
Email: patricia.hannon@waterboards.ca.gov
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of May 29, 2021)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
File Location: DTSC
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC - Note: Also incl parts of 481.21 and 481.23 (R4).
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply - Note: Also incl parts of 481.21 and 481.23 (R4).
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0607174695
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/11/2000
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring
Facility Type:
WDR Place Type:
Wdr File No:
Wdr Order No:

Frequen:
DWR GW Sub Basin: Upper Santa Ana Valley - Chino (8-002.01)
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: DEPARTMENT OF TOXIC SUBSTANCES CONTROL (LEAD) - CASE #: 400282
SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: ANG ONT
CASEWORKER: PATRICIA HANNON
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0607174695&tabname=regulatoryhistory
Site History:

See http://www.envirostor.dtsc.ca.gov/public

Sites from GeoTracker Search - Regulatory Activities (as of May 29, 2021)

Action Type: Response Requested - Other
Action Date:
Received Issue Date: 7/22/2019
Action: Request for Closure
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0607174695&doc_id=6196197
Title Description Comments:

final Decision Document to Support No Further Response Action Planned for IRP Sites and Areas of Suspected Contamination, July 14, 2000

Action Type: Response Requested - Reports
Action Date:
Received Issue Date: 7/22/2019
Action: Site Investigation
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0607174695&doc_id=6196192
Title Description Comments:

Expanded Site Investigation Report, 1993

Action Type: Response Requested - Reports
Action Date: 7/22/2019
Received Issue Date: 7/22/2019
Action: Preliminary Site Assessment Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0607174695&doc_id=6196187
Title Description Comments:

final Perfluorinated Compounds Preliminary Assessment, August 2015 (downloaded from http://afcec.publicadmin-record.us.af.mil)

Sites from GeoTracker Search - Documents (as of May 29, 2021)

Document Type: Site Documents ***Submitted:***
Document Date: 7/22/2019 ***Submitted By:*** PATRICIA HANNON (REGULATOR)
Size :
Title: FINAL PERFLUORINATED COMPOUNDS PRELIMINARY ASSESSMENT, AUGUST 2015 (DOWNLOADED FROM HTTP://AFCEC.PUBLICADMIN-RECORD.US.AF.MIL)
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0607174695&document_id=6196187
Type: PRELIMINARY SITE ASSESSMENT REPORT

Document Type: Site Documents ***Submitted:***
Document Date: 7/22/2019 ***Submitted By:*** PATRICIA HANNON (REGULATOR)
Size :
Title: FINAL DECISION DOCUMENT TO SUPPORT NO FURTHER RESPONSE ACTION PLANNED FOR IRP SITES AND AREAS OF SUSPECTED CONTAMINATION, JULY 14, 2000
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0607174695&document_id=6196197
Type: REQUEST FOR CLOSURE

Document Type: Site Documents ***Submitted:***
Document Date: 7/22/2019 ***Submitted By:*** PATRICIA HANNON (REGULATOR)
Size :
Title: EXPANDED SITE INVESTIGATION REPORT, 1993

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0607174695&document_id=6196192
Type: SITE INVESTIGATION

Sites from GeoTracker Search - Cleanup Status History (as of May 29, 2021)

Status: Open - Case Begin Date
Date: 9/11/2000

Status: Completed - Case Closed
Date: 9/11/2000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	3 of 8	ESE	0.11 / 554.90	890.80 / -19	Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force) - SI WP 2500 Jurupa St. Ontario CA 91761	CLEANUP SITES

Global ID: DOD100363100
Status: Completed - Case Closed
Status Date: 9/11/2000
Site Facility Type: Military Cleanup Site
Data Source: Cleanup Sites from GeoTracker Cleanup Sites Data Download
Latitude: 34.048334
Longitude: -117.597907
County: San Bernardino

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No: 36970008
Begin Date: 9/11/2000
File Location: DTSC
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Potential COC:
Potential Media of Concern:
How Discovered:
How Discovered Description:
Stop Description:
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
DWR GW Subbasin Name: Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:
CalEnviroScreen Score: 96-100% (highest scores)
Site History:
Stop Method:
CUF Case: NO
Case Worker:

See Department of Toxic Substances Control http://www.envirostor.dtsc.ca.gov/

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date: 2019-07-22 00:00:00
Action: Preliminary Site Assessment Report

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open
Status Date: 2000-09-11 00:00:00

Status: Completed - Case Closed
Status Date: 2000-09-11 00:00:00

Status: Open - Case Begin Date
Status Date: 2000-09-11 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Phone No:
Organization Name: SANTA ANA RWQCB (REGION 8)
Email: patricia.hannon@waterboards.ca.gov
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of May 29, 2021)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
File Location: DTSC
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC - Note: Also incl parts of 481.21 and 481.23 (R4).
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply - Note: Also incl parts of 481.21 and 481.23 (R4).
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=DOD100363100
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/11/2000
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Frequen:
DWR GW Sub Basin: Upper Santa Ana Valley - Chino (8-002.01)
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: DEPARTMENT OF TOXIC SUBSTANCES CONTROL (LEAD) - CASE #: 36970008
SANTA ANA RWQCB (REGION 8)
CASEWORKER: PATRICIA HANNON
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=DOD100363100&tabname=regulatoryhistory
Facility Type:
WDR Place Type:
Wdr File No:
Wdr Order No:
Site History:

See Department of Toxic Substances Control http://www.envirostor.dtsc.ca.gov/

Sites from GeoTracker Search - Regulatory Activities (as of May 29, 2021)

Action Type: Response Requested - Reports
Action Date:
Received Issue Date: 7/22/2019
Action: Site Investigation
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=DOD100363100&doc_id=6196196
Title Description Comments:

Expanded Site Investigation Report, 1993

Action Type: Response Requested - Other
Action Date:
Received Issue Date: 7/22/2019
Action: Request for Closure
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=DOD100363100&doc_id=6196201
Title Description Comments:

final Decision Document to Support No Further Response Action Planned for IRP Sites and Areas of Suspected Contamination, July 14, 2000

Action Type: Response Requested - Reports
Action Date: 7/22/2019
Received Issue Date: 7/22/2019
Action: Preliminary Site Assessment Report

Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=DOD100363100&doc_id=6196191
Title Description Comments:

final Perfluorinated Compounds Preliminary Assessment, August 2015 (downloaded from http://afcec.publicadmin-record.us.af.mil)

Sites from GeoTracker Search - Documents (as of May 29, 2021)

Document Type: Site Documents
Document Date: 7/22/2019
Size :
Title: FINAL DECISION DOCUMENT TO SUPPORT NO FURTHER RESPONSE ACTION PLANNED FOR IRP SITES AND AREAS OF SUSPECTED CONTAMINATION, JULY 14, 2000
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=DOD100363100&document_id=6196201
Type: REQUEST FOR CLOSURE
Submitted:
Submitted By: PATRICIA HANNON (REGULATOR)

Document Type: Site Documents
Document Date: 7/22/2019
Size :
Title: EXPANDED SITE INVESTIGATION REPORT, 1993
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=DOD100363100&document_id=6196196
Type: SITE INVESTIGATION
Submitted:
Submitted By: PATRICIA HANNON (REGULATOR)

Document Type: Site Documents
Document Date: 7/22/2019
Size :
Title: FINAL PERFLUORINATED COMPOUNDS PRELIMINARY ASSESSMENT, AUGUST 2015 (DOWNLOADED FROM HTTP://AFCEC.PUBLICADMIN-RECORD.US.AF.MIL)
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=DOD100363100&document_id=6196191
Type: PRELIMINARY SITE ASSESSMENT REPORT
Submitted:
Submitted By: PATRICIA HANNON (REGULATOR)

Sites from GeoTracker Search - Cleanup Status History (as of May 29, 2021)

Status: Completed - Case Closed
Date: 9/11/2000

Status: Open
Date: 9/11/2000

Status: Open - Case Begin Date
Date: 9/11/2000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	4 of 8	ESE	0.11 / 554.90	890.80 / -19	Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force) - 32055 2500 Jurupa St. Ontario CA 91761	CLEANUP SITES

Global ID: DOD100361500
Status: Completed - Case Closed
Status Date: 9/11/2000
Site Facility Type: Military Cleanup Site
Data Source: Cleanup Sites from GeoTracker Cleanup Sites Data Download
Latitude: 34.048334
Longitude: -117.597907
County: San Bernardino

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No: 36970008
Begin Date: 9/11/2000
File Location: DTSC
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Potential COC:
Potential Media of Concern:
How Discovered:
Stop Method:
CUF Case: NO
Case Worker:

How Discovered Description:
Stop Description:
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
DWR GW Subbasin Name: Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community: Severely Disadvantaged Community
CalEnviroScreen Score: 96-100% (highest scores)
Site History:

See Department of Toxic Substances Control http://www.envirostor.dtsc.ca.gov/

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date: 2019-07-22 00:00:00
Action: Preliminary Site Assessment Report

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2000-09-11 00:00:00

Status: Open
Status Date: 2000-09-11 00:00:00

Status: Open - Case Begin Date
Status Date: 2000-09-11 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Phone No:
Organization Name: SANTA ANA RWQCB (REGION 8)
Email: patricia.hannon@waterboards.ca.gov
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of May 29, 2021)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
File Location: DTSC
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC - Note: Also incl parts of 481.21 and 481.23 (R4).
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply - Note: Also incl parts of 481.21 and 481.23 (R4).
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=DOD100361500
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/11/2000
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Frequen:
DWR GW Sub Basin: Upper Santa Ana Valley - Chino (8-002.01)
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: DEPARTMENT OF TOXIC SUBSTANCES CONTROL (LEAD) - CASE #: 36970008
SANTA ANA RWQCB (REGION 8)
CASEWORKER: PATRICIA HANNON
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=DOD100361500&tabname=regulatoryhistory
Site History:

See Department of Toxic Substances Control http://www.envirostor.dtsc.ca.gov/

Sites from GeoTracker Search - Regulatory Activities (as of May 29, 2021)

Action Type: Response Requested - Other
Action Date:
Received Issue Date: 7/22/2019
Action: Request for Closure
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=DOD100361500&doc_id=6196198
Title Description Comments:

final Decision Document to Support No Further Response Action Planned for IRP Sites and Areas of Suspected Contamination, July 14, 2000

Action Type: Response Requested - Reports
Action Date:
Received Issue Date: 7/22/2019
Action: Site Investigation
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=DOD100361500&doc_id=6196193
Title Description Comments:

Expanded Site Investigation Report, 1993

Action Type: Response Requested - Reports
Action Date: 7/22/2019
Received Issue Date: 7/22/2019
Action: Preliminary Site Assessment Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=DOD100361500&doc_id=6196188
Title Description Comments:

final Perfluorinated Compounds Preliminary Assessment, August 2015 (downloaded from http://afcec.publicadmin-record.us.af.mil)

Sites from GeoTracker Search - Documents (as of May 29, 2021)

Document Type: Site Documents ***Submitted:***
Document Date: 7/22/2019 ***Submitted By:*** PATRICIA HANNON (REGULATOR)
Size :
Title: EXPANDED SITE INVESTIGATION REPORT, 1993
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=DOD100361500&document_id=6196193
Type: SITE INVESTIGATION

Document Type: Site Documents ***Submitted:***
Document Date: 7/22/2019 ***Submitted By:*** PATRICIA HANNON (REGULATOR)
Size :
Title: FINAL PERFLUORINATED COMPOUNDS PRELIMINARY ASSESSMENT, AUGUST 2015 (DOWNLOADED FROM HTTP://AFCEC.PUBLICADMIN-RECORD.US.AF.MIL)
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=DOD100361500&document_id=6196188
Type: PRELIMINARY SITE ASSESSMENT REPORT

Document Type: Site Documents ***Submitted:***
Document Date: 7/22/2019 ***Submitted By:*** PATRICIA HANNON (REGULATOR)
Size :
Title: FINAL DECISION DOCUMENT TO SUPPORT NO FURTHER RESPONSE ACTION PLANNED FOR IRP SITES AND AREAS OF SUSPECTED CONTAMINATION, JULY 14, 2000
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=DOD100361500&document_id=6196198
Type: REQUEST FOR CLOSURE

Sites from GeoTracker Search - Cleanup Status History (as of May 29, 2021)

Status: Completed - Case Closed
Date: 9/11/2000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: Open
Date: 9/11/2000

Status: Open - Case Begin Date
Date: 9/11/2000

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31 | ***5 of 8*** | ***ESE*** | ***0.11 / 554.90*** | ***890.80 / -19*** | ***Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force) - 80536 2500 Jurupa St. Ontario CA 91761*** | ***CLEANUP SITES***

Global ID: DOD100362900
Status: Completed - Case Closed
Status Date: 9/11/2000
Site Facility Type: Military Cleanup Site
Data Source: Cleanup Sites from GeoTracker Cleanup Sites Data Download
Latitude: 34.048334
Longitude: -117.597907
County: San Bernardino

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No: 36970008
Begin Date: 9/11/2000
File Location: DTSC
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Potential COC:
Potential Media of Concern:
How Discovered:
How Discovered Description:
Stop Description:
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
DWR GW Subbasin Name: Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:
CalEnviroScreen Score: 96-100% (highest scores)
Site History:
Stop Method:
CUF Case: NO
Case Worker:

See Department of Toxic Substances Control http://www.envirostor.dtsc.ca.gov/

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date: 2019-07-22 00:00:00
Action: Preliminary Site Assessment Report

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2000-09-11 00:00:00

Status: Open - Case Begin Date
Status Date: 2000-09-11 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Phone No:
Organization Name: SANTA ANA RWQCB (REGION 8)
Email: patricia.hannon@waterboards.ca.gov
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of May 29, 2021)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
Wdr File No:
Wdr Order No:

File Location: DTSC
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC - Note: Also incl parts of 481.21 and 481.23 (R4).
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply - Note: Also incl parts of 481.21 and 481.23 (R4).
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=DOD100362900
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/11/2000
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Frequen:
DWR GW Sub Basin: Upper Santa Ana Valley - Chino (8-002.01)
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: DEPARTMENT OF TOXIC SUBSTANCES CONTROL (LEAD) - CASE #: 36970008
SANTA ANA RWQCB (REGION 8)
CASEWORKER: PATRICIA HANNON
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=DOD100362900&tabname=regulatoryhistory
Site History:

See Department of Toxic Substances Control http://www.envirostor.dtsc.ca.gov/

Sites from GeoTracker Search - Regulatory Activities (as of May 29, 2021)

Action Type: Response Requested - Reports
Action Date:
Received Issue Date: 7/22/2019
Action: Site Investigation
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=DOD100362900&doc_id=6196194
Title Description Comments:

Expanded Site Investigation Report, 1993

Action Type: Response Requested - Other
Action Date:
Received Issue Date: 7/22/2019
Action: Request for Closure
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=DOD100362900&doc_id=6196199
Title Description Comments:

final Decision Document to Support No Further Response Action Planned for IRP Sites and Areas of Suspected Contamination, July 14, 2000

Action Type: Response Requested - Reports
Action Date: 7/22/2019
Received Issue Date: 7/22/2019
Action: Preliminary Site Assessment Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=DOD100362900&doc_id=6196189
Title Description Comments:

final Perfluorinated Compounds Preliminary Assessment, August 2015 (downloaded from http://afcec.publicadmin-record.us.af.mil)

Sites from GeoTracker Search - Documents (as of May 29, 2021)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Document Type: Site Documents
Document Date: 7/22/2019
Size :
Title: FINAL DECISION DOCUMENT TO SUPPORT NO FURTHER RESPONSE ACTION PLANNED FOR IRP SITES AND AREAS OF SUSPECTED CONTAMINATION, JULY 14, 2000
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=DOD100362900&document_id=6196199
Type: REQUEST FOR CLOSURE
Submitted:
Submitted By: PATRICIA HANNON (REGULATOR)

Document Type: Site Documents
Document Date: 7/22/2019
Size :
Title: EXPANDED SITE INVESTIGATION REPORT, 1993
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=DOD100362900&document_id=6196194
Type: SITE INVESTIGATION
Submitted:
Submitted By: PATRICIA HANNON (REGULATOR)

Document Type: Site Documents
Document Date: 7/22/2019
Size :
Title: FINAL PERFLUORINATED COMPOUNDS PRELIMINARY ASSESSMENT, AUGUST 2015 (DOWNLOADED FROM HTTP://AFCEC.PUBLICADMIN-RECORD.US.AF.MIL)
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=DOD100362900&document_id=6196189
Type: PRELIMINARY SITE ASSESSMENT REPORT
Submitted:
Submitted By: PATRICIA HANNON (REGULATOR)

Sites from GeoTracker Search - Cleanup Status History (as of May 29, 2021)

Status: Open - Case Begin Date
Date: 9/11/2000

Status: Completed - Case Closed
Date: 9/11/2000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	6 of 8	ESE	0.11 / 554.90	890.80 / -19	Ontario Air National Guard (ANG) - Ontario Air National Guard (Air Force) - BULDG 2500 Jurupa St. Ontario CA 91761	CLEANUP SITES

Global ID: DOD100363000
Status: Completed - Case Closed
Status Date: 9/11/2000
Site Facility Type: Military Cleanup Site
Data Source: Cleanup Sites from GeoTracker Cleanup Sites Data Download
Latitude: 34.048334
Longitude: -117.597907
County: San Bernardino

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No: 36970008
Begin Date: 9/11/2000
File Location: DTSC
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Potential COC:
Potential Media of Concern:
How Discovered:
How Discovered Description:
Stop Description:
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
DWR GW Subbasin Name: Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:
CalEnviroScreen Score: 96-100% (highest scores)
Site History:
Stop Method:
CUF Case: NO
Case Worker:

See Department of Toxic Substances Control http://www.envirostor.dtsc.ca.gov/

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date: 2019-07-22 00:00:00
Action: Preliminary Site Assessment Report

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Case Begin Date
Status Date: 2000-09-11 00:00:00

Status: Completed - Case Closed
Status Date: 2000-09-11 00:00:00

Status: Open
Status Date: 2000-09-11 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Phone No:
Organization Name: SANTA ANA RWQCB (REGION 8)
Email: patricia.hannon@waterboards.ca.gov
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of May 29, 2021)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
File Location: DTSC
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC - Note: Also incl parts of 481.21 and 481.23 (R4).
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply - Note: Also incl parts of 481.21 and 481.23 (R4).
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=DOD100363000
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/11/2000
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Frequen:
DWR GW Sub Basin: Upper Santa Ana Valley - Chino (8-002.01)
CalWater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: DEPARTMENT OF TOXIC SUBSTANCES CONTROL (LEAD) - CASE #: 36970008
SANTA ANA RWQCB (REGION 8)
CASEWORKER: PATRICIA HANNON
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=DOD100363000&tabname=regulatoryhistory
Site History:

Facility Type:
WDR Place Type:
Wdr File No:
Wdr Order No:

See Department of Toxic Substances Control http://www.envirostor.dtsc.ca.gov/

Sites from GeoTracker Search - Regulatory Activities (as of May 29, 2021)

Action Type: Response Requested - Other
Action Date:
Received Issue Date: 7/22/2019
Action: Request for Closure

Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=DOD100363000&doc_id=6196200
Title Description Comments:

final Decision Document to Support No Further Response Action Planned for IRP Sites and Areas of Suspected Contamination, July 14, 2000

Action Type: Response Requested - Reports
Action Date:
Received Issue Date: 7/22/2019
Action: Site Investigation
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=DOD100363000&doc_id=6196195
Title Description Comments:

Expanded Site Investigation Report, 1993

Action Type: Response Requested - Reports
Action Date: 7/22/2019
Received Issue Date: 7/22/2019
Action: Preliminary Site Assessment Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=DOD100363000&doc_id=6196190
Title Description Comments:

final Perfluorinated Compounds Preliminary Assessment, August 2015 (downloaded from http://afcec.publicadmin-record.us.af.mil)

Sites from GeoTracker Search - Documents (as of May 29, 2021)

Document Type: Site Documents ***Submitted:***
Document Date: 7/22/2019 ***Submitted By:*** PATRICIA HANNON (REGULATOR)
Size :
Title: FINAL PERFLUORINATED COMPOUNDS PRELIMINARY ASSESSMENT, AUGUST 2015 (DOWNLOADED FROM HTTP://AFCEC.PUBLICADMIN-RECORD.US.AF.MIL)
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=DOD100363000&document_id=6196190
Type: PRELIMINARY SITE ASSESSMENT REPORT

Document Type: Site Documents ***Submitted:***
Document Date: 7/22/2019 ***Submitted By:*** PATRICIA HANNON (REGULATOR)
Size :
Title: FINAL DECISION DOCUMENT TO SUPPORT NO FURTHER RESPONSE ACTION PLANNED FOR IRP SITES AND AREAS OF SUSPECTED CONTAMINATION, JULY 14, 2000
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=DOD100363000&document_id=6196200
Type: REQUEST FOR CLOSURE

Document Type: Site Documents ***Submitted:***
Document Date: 7/22/2019 ***Submitted By:*** PATRICIA HANNON (REGULATOR)
Size :
Title: EXPANDED SITE INVESTIGATION REPORT, 1993
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=DOD100363000&document_id=6196195
Type: SITE INVESTIGATION

Sites from GeoTracker Search - Cleanup Status History (as of May 29, 2021)

Status: Open
Date: 9/11/2000

Status: Completed - Case Closed
Date: 9/11/2000

Status: Open - Case Begin Date
Date: 9/11/2000

31	7 of 8	ESE	0.11 / 554.90	890.80 / -19	ONTARIO AIR NATIONAL GUARD 2500 JURUPA STREET ONTARIO CA 91761	ENVIROSTOR

Estor/EPA ID: 36970008 ***Assembly District:*** 52

Site Code:	400282	**Senate District:**	20
Nat Priority List:	NO	**Permit Renewal Lead:**	
APN:	NONE SPECIFIED	**Public Partici Spclst:**	
Census Tract:	6071001600	**Project Manager:**	STEPHEN NIOU
Site Type:	CLOSED BASE	**County:**	SAN BERNARDINO
Address Description:	2500 JURUPA STREET	**Latitude:**	34.048333
Office:	CLEANUP CYPRESS	**Longitude:**	-117.596186
Special Program:	DSMOA	**Acres:**	11 ACRES
Funding:	* DEFENSE ENVIRONMENTAL RESTORATION PROGRAM (DERP)	**Supervisor:**	MANNY ALONZO

Cleanup Status: CERTIFIED AS OF 9/11/2000
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY;RWQCB 8 - SANTA ANA
School District:
Past Use that Caused Contam: AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, EQUIPMENT/INSTRUMENT REPAIR, FUEL - AIRCRAFT STORAGE/ REFUELING
Potential Media Affected: SOIL
Potential Contamin of Concern:

SLUDGE - PAINT
UNSPECIFIED OIL CONTAINING WASTE
UNSPECIFIED SOLVENT MIXTURES

Site History:

Ontario Air National Guard Station (OANGS) is located in the City of Ontario south of Ontario Airport in San Bernardino County. The Station closed in September 1998 and is under the jurisdiction of the Air Force Base Conversion Agency. It is a formerly used defense (FUD) installation. RWQCB issued them a CAO to investigate the GW around 1989 and has been overseeing their SI activities. OANGS is an approximately 11 acre site that borders the southern boundary of the Ontario Airport. There are three Installation restoration Program Sites (SS-01, ST-02, and ST-03) and five area of concerns (AOCs). IRP Site SS-01, which covered the open space area between the maintenance shop (Bldg. 03) and shed (Bldg. 14) and the Cucamonga Creek channel has been approved closed by DTSC and RWQCB based on confirmation samples. IRP Site ST-02 and IRP Site ST-03 contained 3 underground storage tanks that were closed under the supervision of San Bernardino County. The five AOCs included the Septic Tank and Leach Field which were removed and disposed on 1999, two concrete Oil/Water Separators at Bldg. 06 and 14 removed in 1995, a wash rack at Bldg. 10 and a former Fire Training ARea were investigated in 1999 and found clean. Buildings 2, 6, 10, 14 and the Former Fire Training Area are located on OANGS. Building 2 is a Supply Warehouse that was constructed in 1949 and used as a supply shop. Building 6 was constructed in 1962; and was used for aerospace ground equipment maintenance and also as the generator maintenance shop. Hazardous wastes were stored at both facilities. Bldg 10 was a wash rack used to rinse dumpsters and Bldg 14 a vehicle parking shed. Current site conditions and analytical test data indicated that no further action is warranted at all IRP Sites and AOCs.

Status: CERTIFIED
A2 Program Type: STATE RESPONSE
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008

Completed Activities

Title: USACE INPR Summary
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&doc_id=60459296
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Inventory Project Report (INPR)
Date Completed: 9/20/2002
Comments:

Title: Certification
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&enforcement_id=5001100
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 9/11/2000
Comments:

Title: Reuse - Site Specific Environmental Baseline Survey
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&doc_id=5001102
Area Name:

Area Link:
Sub Area: 32055
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008&site_id=2004070
Document Type: Environmental Baseline Survey
Date Completed: 8/29/2000
Comments: FOST - 3.2055 acres: The purpose of this finding of Suitability to Terminate Lease (FOSTL) is to document the environmentally- related findings and suitability to release the Air Force from the current lease with the City of Los Angeles, Department of Airports (Lessor). The property will continue to be used as an aviation support area. ` SSEBS - 3.2055 acres: The purpose of this Supplemental Environmental Baseline Survey (SEBS) is to document the environmental findings as related to the storage, release or disposal of hazardous substances, and other environmental conditions over the area's history, in order to establish a baseline for use in making decisions concerning real property transactions. The Air Force will terminate the lease with the City of Los Angeles, Department of Airport. The property will continue to be used as an aviation support area.

Title: Reuse - Finding of Suitability to Transfer
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&doc_id=5001104
Area Name:
Area Link:
Sub Area: 80536
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008&site_id=2004071
Document Type: Finding of Suitability to Transfer
Date Completed: 4/12/2000
Comments: FOST - 8.30536 acres: The purpose of this finding of Suitability to transfer (FOST) is to document the environmentally-related findings and suitability to transfer for the proposed deed of real property and any improvements at Ontario Air National Guard Station to the Ontario Local Redevelopment Authority(Transferee). The property will be transferred by deed and its anticipated use will continue to be an aviation support area. ` SSEBS - 8.30536 acres: The purpose of this supplemental Environ- mental Baseline Surbey (SEBS) is to document the environmentally- related conditions related to the storage, release or disposal of hazardous substances, and other environmental conditions over the area's history in order to establish a baseline for use in making decisions concerning real property transactions. The property will be transferred by deed and its anticipated use will continue to be an aviation support area.

Title: Preliminary Endangerment Assessment Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&doc_id=5001105
Area Name:
Area Link:
Sub Area: BULDG
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008&site_id=2004072
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 12/13/1999
Comments: PEA - BLDGS: Site investigations were conducted at Buildings 10, 14 and at the Former Fire Training Area. Based on the sampling results, these sites are considered no further action sites. In addition, the removal actions at buildings 2 and 6 consisted of removing the 750 gallon tanks, associated leach field piping, contaminated soils, residual liquids, sludges, and other waste. The tanks were crushed in place, then hauled by ECI to their facility in Fontana, California for recycling. Based on the confirmation sampling conducted these two sites were clean-closed The excavations were backfilled with imported clean fill and compacted.

Title: * Site Screening
Title Link:
Area Name:
Area Link:
Sub Area: SI WP
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008&site_id=2004073
Document Type: Site Screening
Date Completed: 10/30/1991
Comments:

Title: Reuse - Finding of Suitability to Transfer
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&doc_id=5001101
Area Name:
Area Link:
Sub Area: 32055
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008&site_id=2004070
Document Type: Finding of Suitability to Transfer
Date Completed: 8/29/2000
Comments:

Title: Reuse - Site Specific Environmental Baseline Survey
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36970008&doc_id=5001103
Area Name:

Area Link:	
Sub Area:	80536
Sub Area Link:	https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36970008&site_id=2004071
Document Type:	Environmental Baseline Survey
Date Completed:	4/12/2000
Comments:	
Title:	Community Environmental Response Facilitation Act
Title Link:	
Area Name:	PROJECT WIDE
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	* Community Environmental Response Facilitation Act
Date Completed:	3/27/1997
Comments:	
Title:	Reuse - Basewide Environmental Baseline Survey
Title Link:	
Area Name:	PROJECT WIDE
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Environmental Baseline Survey
Date Completed:	8/6/1996
Comments:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	8 of 8	ESE	0.11 / 554.90	890.80 / -19	ONTARIO AIR NATIONAL GUARD 2500 JURUPA STREET ONTARIO CA 91761	CALSITES

ID No:	36970008	**Assembly:**	61
Status Date:	09/11/2000	**Senate:**	32
NPL:	N	**Region:**	3
Tier:		**Region Name:**	GLENDALE
Fund:		**County Co:**	36
Access :	C	**Facility County:**	SAN BERNARDINO
Access Code:	CONTROLLED	**Lat Deg:**	0
Cortese:		**Lat Min:**	0
Hrscore:		**Lat Sec:**	0
Hrsdate:		**Lat Dir:**	
Groundwater Contam:	C	**Long Deg:**	0
GW Code:	CONTROLLED	**Long Min:**	0
No Sources:	0	**Long Sec:**	0
RWQCB Name:		**Long Dir:**	
Branch Name:	OMF-SOUTHERN CALIF	**Llmethod:**	
Staff:		**Lldesc:**	
Senior:			

Status Name:	CERTIFIED
Type Name:	CLOSED MILITARY BASE
Lead Name:	DEPT OF TOXIC SUBSTANCES CONTROL
SIC Name:	NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Filename:	
Comments:	

FOST - 8.30536 acres: The purpose of this finding of Suitability to transfer (FOST) is to document the environmentally-related fin dings and suitability to transfer for the proposed deed of real p roperty and any improvements at Ontario Air National Guard Statio n to the Ontario Local Redevelopment Authority(Transferee). The p roperty will be transferred by deed and its anticipated use will continue to be an aviation support area. ` SSEBS - 8.30536 acres: The purpose of this supplemental Environ- mental Baseline Surbey (SEBS) is to document the environmentally- related conditions re lated to the storage, release or disposal of hazardous substances , and other environmental conditions over the area's history in o rder to establish a baseline for use in making decisions concerni ng real property transactions. The property will be transferred by deed and its anticipated use will continue to be an aviation s upport area. FOST - 3.2055 acres: The purpose of this finding of Suitability t o Terminate Lease (FOSTL) is to document the environmentally-rel ated findings and suitability to release the Air Force from the c urrent lease with the City of Los Angeles, Department of Airports (Lessor). The property will continue to be used as an aviation support area. ` SSEBS - 3.2055 acres: The purpose of this Supplem ental Environmental Baseline Survey (SEBS) is to document the env ironmental findings as related to the storage, release or disposa l of hazardous substances, and other environmental conditions ove r the area's history, in order to establish a baseline for use in making decisions concerning real property transactions. The Air Force will terminate the lease with the City of Los Angeles, Dep artment of Airport. The property will continue to be used as an aviation support area. CERT - OANGS: The purpose of this document is to certify that bas ed upon the information which is currently and actually known to DTSC, we have determined that all appropriate response actions ha ve been completed, that all acceptable engineering practices were implemented and that no further

removal/remedial action is neces sary at OANGS (The entire site). PEA - BLDGS: Site investigations were conducted at Buildings 10, 14 and at the Former Fire Training Area. Based on the sampling r esults, these sites are considered no further action sites. In a ddition, the removal actions at buildings 2 and 6 consisted of re moving the 750 gallon tanks, associated leach field piping, conta minated soils, residual liquids, sludges, and other waste. The ta nks were crushed in place, then hauled by ECI to their facility i n Fontana, California for recycling. Based on the confirmation s ampling conducted these two sites were clean-closed The excavatio ns were backfilled with imported clean fill and compacted.

Background:

Ontario Air National Guard is located south of Ontario Airport in San Bernardino County. It is a formerly used defense (FUD) inst allation. RWQCB issued them a CAO to investigate the GW around 19 89 and has been overseeing their SI activities. Meeting was held at the site in 10/91 Department referred site to RWQCB. Kamron S aremi is RPM. ` Buildings 2, 6, 10, 14 and the Former Fire Traini ng Area are located on Ontario Air national Guard Station (OANGS) . OANGS is an approximately 11 acre site that borders the souther n boundary of the Ontario Airport, Building 2 is a Supply Warehou se that was constructed in 1949 and used as a supply shop. Build ing 6 was constructed in 1962; and was used for aerospace ground equipment maintenance and also as the generator maintenance shop. Hazardous wastes were stored at both facilities. Bldg 10 was a wash rack used to rinse dumpsters and Bldg 14 a vehicle parking s hed.

32	1 of 4	W	0.11 / 565.85	913.02 / 4	**AIRCRAFT SERVICE INTERNATIONAL GROUP** **1049 S. VINEYARD AVENUE** **ONTARIO CA 91761**	RCRA LQG

EPA Handler ID:	CAL000238995
Gen Status Universe:	Large Quantity Generator
Contact Name:	HENRY MARTINEZ
Contact Address:	1049 , S. VINEYARD AVENUE , , ONTARIO , CA, 91761 , US
Contact Phone No and Ext:	909-937-3998 227
Contact Email:	
Contact Country:	US
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	County
Receive Date:	20100728
Location Latitude:	34.061935
Location Longitude:	-117.61097

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20080707
Handler Name:	AIRCRAFT SERVICE INTERNATIONAL GROUP

Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20100728
Handler Name: AIRCRAFT SERVICE INTERNATIONAL GROUP
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: AIRCRAFT SERVICE INTERNATIONAL GROUP
Date Became Current: 20051231
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report update with Notification
Street No:
Street 1: 1940 E. MOORE WAY
Street 2:
City: ONTARIO
State: CA
Country: US
Zip Code: 91761

Owner/Operator Ind: Current Operator
Type: Private
Name: AIRCRAFT SERVICE INTERNATIONAL GROUP
Date Became Current: 20051231
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report update with Notification
Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Owner/Operator Ind: Current Operator
Type: Private
Name: AIRCRAFT SERVICE INTERNATIONAL GROUP
Date Became Current: 20020712
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report update with Notification
Street No:
Street 1:
Street 2:
City:
State: CA
Country:
Zip Code: 91761

Owner/Operator Ind: Current Owner
Type: Private
Name: AIRCRAFT SERVICE INTERNATIONAL GROUP
Date Became Current: 20020712
Date Ended Current:
Phone: 909-937-3998
Source Type: Annual/Biennial Report update with Notification
Street No:
Street 1: P.O. BOX 4178
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761

Historical Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Dt: 20080707
Generator Code Description: Small Quantity Generator
Handler Name: AIRCRAFT SERVICE INTERNATIONAL GROUP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	2 of 4	W	0.11 / 565.85	913.02 / 4	ONTARIO AIRCRAFT SERVICE, INC. 1049 S VINEYARD ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0005083
Owner Info: Aircraft Service International Group
Mailing Care of:
Mailing Address 1: 1049 S Vineyard Ave
Mailing Address 2:
Mailing City: Ontario
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0000006
Status: INACTIVE
Program Element Code: 4420
Permit Desc: SPECIAL GENERATOR
To: 2/28/2003

Permit ID: PT0000007
Status: INACTIVE
Program Element Code: 4210
Permit Desc: SPECIAL HANDLER
To: 2/28/2003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	3 of 4	W	0.11 / 565.85	913.02 / 4	ASIG ONT 1049 S Vineyard Ave Ontario CA 91761	SANBERN CUPA

Facility ID: FA0007669
Owner Info: Aircraft Service International Group
Mailing Care of:
Mailing Address 1: P.O. Box 4178
Mailing Address 2:
Mailing City: Ontario
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0038085
Status: INACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 1/31/2018

Permit ID: PT0013195
Status: INACTIVE
Program Element Code: 4210
Permit Desc: SPECIAL HANDLER
To: 1/31/2010

Permit ID: PT0038084
Status: INACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 1/31/2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit ID: PT0038083
Status: INACTIVE
Program Element Code: 4033
Permit Desc: APSA 100,001-1,000,000 GAL FAC CAPACITY
To: 1/31/2018

Permit ID: PT0013194
Status: INACTIVE
Program Element Code: 4420
Permit Desc: SPECIAL GENERATOR
To: 1/31/2010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	4 of 4	W	0.11 / 565.85	913.02 / 4	MENZIES AVIATION DBA AIRCRAFT SERVICE INTL GROUP INC 1049 S VINEYARD AVE SAN BERNARDINO CA 91761	RCRA NON GEN

EPA Handler ID: CAL000432861
Gen Status Universe: No Report
Contact Name: GAB ROBIATTI
Contact Address: 1049 S VINEYARD AVE , , SAN BERNARDINO , CA, 91761 ,
Contact Phone No and Ext: 909-821-1969
Contact Email: GABE.ROBIATTI@ASIG.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20180102
Location Latitude: 34.051769
Location Longitude: -117.610894

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20180102
Handler Name: MENZIES AVIATION DBA AIRCRAFT SERVICE INTL GROUP INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1049 S VINEYARD AVE
Name:	GAB ROBIATTI	***Street 2:***	
Date Became Current:		***City:***	SAN BERNARDINO
Date Ended Current:		***State:***	CA
Phone:	909-821-1969	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1049 S VINEYARD AVE
Name:	MENZIES AVIATION	***Street 2:***	
Date Became Current:		***City:***	SAN BERNARDINO
Date Ended Current:		***State:***	CA
Phone:	909-937-0726	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761

33	*1 of 3*	*W*	*0.11 / 565.89*	*913.02 / 4*	***Airport Terminal Services 1049A S VINEYARD AVE ONTARIO CA 91761***	***CERS HAZ***

Site ID:	563637
Latitude:	34.052870
Longitude:	-117.610180
County:	

Regulated Programs

EI ID:	10835917	***EI Description:***	Chemical Storage Facilities
EI ID:	10835917	***EI Description:***	Hazardous Waste Generator

Violations

Violation Date:	02/11/2020	***Violation Source:***	CERS
Violation Program:	HMRRP	***Violation Division:***	San Bernardino County Fire Department
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)		
Violation Notes:			

Returned to compliance on 02/12/2020. OBSERVATION: A CERS business plan was not established for this site. CORRECTIVE ACTION: Submit an accurate and complete business plan via CERS.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date:	02/11/2020	***Violation Source:***	CERS
Violation Program:	HMRRP	***Violation Division:***	San Bernardino County Fire Department
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507		
Violation Notes:			

Returned to compliance on 02/12/2020. OBSERVATION: A CERS business plan was not established for this site. CORRECTIVE ACTION: Establish and implement the business plan via CERS.

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 02/11/2020
Violation Source: CERS
Violation Program: HMRRP
Violation Division: San Bernardino County Fire Department
Citation: Un-Specified
Violation Notes:

Returned to compliance on 04/20/2020. OBSERVATION: A permit was not obtained for the new location. CORRECTIVE ACTION: Submit payment for the permit fees upon receipt of invoice.

Violation Description:

Business Plan Program - Administration/Documentation - General Local Ordinance

Evaluations

Eval Date: 02/11/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 02/11/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Parent Corporation
Entity Name: Airport Terminal Services
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:
Address: 620 South E Street
City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Affil Type Desc: Identification Signer
Entity Name: Patricia Smetzer
Entity Title: General manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	2900 E. Airport Dr Suite 1255
City:	Ontario
State:	CA
Country:	
Zip Code:	91761
Phone:	

Affil Type Desc:	Operator
Entity Name:	Airport Terminal Services
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(909) 937-8440

Affil Type Desc:	Environmental Contact
Entity Name:	Patricia Smetzer
Entity Title:	
Address:	2900 E. Airport Dr. suite 1255
City:	Ontario
State:	CA
Country:	
Zip Code:	91761
Phone:	

Affil Type Desc:	Document Preparer
Entity Name:	Patricia Smetzer
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Legal Owner
Entity Name:	Airport Terminal Services
Entity Title:	
Address:	940 Westport Plaza Dr. Suite 101
City:	St Louis
State:	MO
Country:	United States
Zip Code:	63146-0000
Phone:	(314) 739-1900

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	2 of 3	W	0.11 / 565.89	913.02 / 4	AIRPORT TERMINAL SERVICES 1049A S VINEYARD AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID:	FA0018510
Owner Info:	Airport Terminal Services
Mailing Care of:	PSMETZER@ATSSTL.COM
Mailing Address 1:	2900 E AIRPORT DR., STE 1255
Mailing Address 2:	
Mailing City:	ONTARIO
Mailing State:	CA
Mailing Zip:	91761

Detail(s)

Permit ID:	PT0039981

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: ACTIVE
Program Element Code: 4242
Permit Desc: HAZARDOUS MATERIALS 1-3 CHEMICALS
To: 3/31/2021

Permit ID: PT0039982
Status: ACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 3/31/2021

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	3 of 3	W	0.11 / 565.89	913.02 / 4	AIRPORT TERMINAL SERVICES 1049 A S VINEYARD AVE ONTARIO CA 91761	RCRA NON GEN

EPA Handler ID: CAL000452105
Gen Status Universe: No Report
Contact Name: PATRICIA SMETZER
Contact Address: 2900 E AIRPORT DR STE 1255 , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext: 909-937-8440
Contact Email: PSMETZER@ATSSTL.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20200124
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20200124
Handler Name: AIRPORT TERMINAL SERVICES
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Operator	**Street No:**			
Type:	Other	**Street 1:**	2900 E AIRPORT DR STE 1255		
Name:	PATRICIA SMETZER	**Street 2:**			
Date Became Current:		**City:**	ONTARIO		
Date Ended Current:		**State:**	CA		
Phone:	909-937-8440	**Country:**			
Source Type:	Implementer	**Zip Code:**	91761		
Owner/Operator Ind:	Current Owner	**Street No:**			
Type:	Other	**Street 1:**	940 WEST PORT PLAZA STE 101		
Name:	AIRPORT TERMINAL SERVICES	**Street 2:**			
Date Became Current:		**City:**	ST LOUIS		
Date Ended Current:		**State:**	MO		
Phone:	314-739-1900	**Country:**			
Source Type:	Implementer	**Zip Code:**	63146		

34	1 of 1	WNW	0.11 / 577.20	918.27 / 9	OIA-L.A. WORLD AIRPORT 1150 S VINEYARD AVE ONTARIO CA 91761	DELISTED TNK

Delisted Storage Tanks

Facility ID:	94031099	**Latitude:**	34.053055
Permitting Agency:	SAN BERNARDINO COUNTY	**Longitude:**	-117.610754
County:	San Bernardino		
Original Source:	UST		
Record Date:	30-JAN-2017		

35	1 of 1	W	0.11 / 585.02	910.32 / 1	ONTARIO AIRCRAFT SERV INC 1152 S VINEYARD ONTARIO CA 91761	EMISSIONS

1993 Criteria Data

Facility ID:	44038	**CERR Code:**	
Facility SIC Code:	7538	**TOGT:**	.5
CO:	36	**ROGT:**	.45776
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	
COID:	SBD	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1993 Toxic Data

Facility ID:	44038	**COID:**	SBD
Facility SIC Code:	7538	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	44038	**CERR Code:**	
Facility SIC Code:	7538	**TOGT:**	.5
CO:	36	**ROGT:**	.45776
Air Basin:	SC	**COT:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
NOXT:
SOXT:
PMT:
PM10T:

1995 Toxic Data

Facility ID: 44038
Facility SIC Code: 7538
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
36	1 of 5	W	0.11 / 585.13	910.32 / 1	GUARDIAN JET CENTER 1150 S. VINEYARD AVE ONTARIO CA 91761	AST

Total Capacity(Gal): 43,775
CUPA: San Bernardino
Owner Name: GUARDIAN SERVICES INC
County: San Bernardino

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
36	2 of 5	W	0.11 / 585.13	910.32 / 1	FLUOR CORPORATION FLIGHT OPERA 1150 SOUTH VINEYARD AVENUE ONTARIO CA 91761	HHSS

County: San Bernardino
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029ea7.pdf

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
36	3 of 5	W	0.11 / 585.13	910.32 / 1	FLUORS AIRPORT OPERATIONS 1150 SOUTH VINEYARD AVENUE ONTARIO CA 91761	HHSS

County: San Bernardino
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029ea6.pdf

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
36	4 of 5	W	0.11 / 585.13	910.32 / 1	FLUOR CORPORATION FLIGHT OPERA 1150 SOUTH VINEYARD AVENUE ONTARIO CA	HIST TANK

Owner Name: FLUOR CORPORATION
Owner Street: 1150 SOUTH VINEYARD AVENUE
Owner City: ONTARIO
Owner State: CA
Owner Zip: 91761
No of Containers: 2
County: SAN BERNARDINO
Facility State: CA
Facility Zip: 91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
36	5 of 5	W	0.11 / 585.13	910.32 / 1	FLUOR'S AIRPORT OPERATIONS 1150 SOUTH VINEYARD AVENUE ONTARIO CA	HIST TANK

Owner Name: FLUOR CORPORATION
Owner Street: 3333 MICHELSON DRIVE
Owner City: IRVINE
Owner State: CA
Owner Zip: 92730
No of Containers: 2
County: SAN BERNARDINO
Facility State: CA
Facility Zip: 91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
37	1 of 4	W	0.11 / 588.73	909.65 / 0	RAYTHEON COMPANY 1120 S. VINEYARD AVE. ONTARIO CA 91761	RCRA LQG

EPA Handler ID: CAR000294181
Gen Status Universe: Large Quantity Generator
Contact Name: JAYALAKSHMI M MOHAN
Contact Address: 2000 , E. EL SEGUNDO BLVD. , , EL SEGUNDO , CA, 90245 , US
Contact Phone No and Ext: 310-647-1204
Contact Email: MANJU.MOHAN@RAYTHEON.COM
Contact Country: US
County Name: SAN BERNARDINO
EPA Region: 09
Land Type: Private
Receive Date: 20190411
Location Latitude: 34.061935
Location Longitude: -117.61097

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190411
Handler Name: RAYTHEON COMPANY
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 461
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U223
Waste Code Description: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	870
Type:	Private	***Street 1:***	WINTER STREET
Name:	RAYTHEON COMPANY	***Street 2:***	
Date Became Current:	19971218	***City:***	WALTHAM
Date Ended Current:		***State:***	MA
Phone:	718-768-3991	***Country:***	US
Source Type:	Notification	***Zip Code:***	02451

Owner/Operator Ind:	Current Operator	***Street No:***	870
Type:	Private	***Street 1:***	WINTER STREET
Name:	RAYTHEON COMPANY	***Street 2:***	
Date Became Current:	19971218	***City:***	WALTHAM
Date Ended Current:		***State:***	MA
Phone:	718-768-3991	***Country:***	US
Source Type:	Notification	***Zip Code:***	02451

37	*2 of 4*	*W*	*0.11 / 588.73*	*909.65 / 0*	***Raytheon Company-Ontario 1120 S VINEYARD AVE ONTARIO CA 91761***	***DELISTED CTNK***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site ID: 559052 **Latitude:** 34.050840
County: San Bernardino Count **Longitude:** -117.611000
Tank Type:
Original Source: CTNK
Record Date: 18-FEB-2020

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37 **3 of 4** **W** **0.11 / 588.73** **909.65 / 0**

RAYTHEON COMPANY - ONTARIO
1120 S VINEYARD AVE
ONTARIO CA 91761

SANBERN CUPA

Facility ID: FA0018562
Owner Info: RAYTHEON COMPANY
Mailing Care of: NITELLE_LEVERS@RAYTHEON.COM
Mailing Address 1: 2000 E. EL SEGUNDO BLVD, BLDG E4 M/S N169
Mailing Address 2:
Mailing City: EL SEGUNDO
Mailing State: CA
Mailing Zip: 90245

Detail(s)

Permit ID: PT0040090
Status: INACTIVE
Program Element Code: 4031
Permit Desc: APSA 1,320-10,000 GAL FAC CAPACITY
To: 5/31/2021

Permit ID: PT0040091
Status: ACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 5/31/2021

Permit ID: PT0040089
Status: ACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 5/31/2021

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37 **4 of 4** **W** **0.11 / 588.73** **909.65 / 0**

Raytheon Company - Ontario
1120 S VINEYARD AVE
ONTARIO CA 91761

CERS HAZ

Site ID: 559052
Latitude: 34.050840
Longitude: -117.611000
County:

Regulated Programs

EI ID: 10826959 **EI Description:** Hazardous Waste Generator

EI ID: 10826959 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 09/22/2020 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 10/16/2020. OBSERVATION: The CERS inventory submitted on 6/30/2020 was found to be incomplete. Hazardous materials and hazardous waste were observed on site above reporting thresholds that were not disclosed on the CERS inventory. It was also found that

the 2000 gallon diesel tank is no longer on site and can be removed from the plan inventory. CORRECTIVE ACTION: Submit an updated hazardous materials inventory in CERS.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 09/22/2020 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 10/16/2020. OBSERVATION: The site map that was submitted in the 2/28/2020 CERS submittal was rejected because it was incomplete. The following items must be indicated on the site map: north orientation, loading areas, adjacent streets, storm and sewer drains, access and exit points, utility emergency shutoff, evacuation staging areas, hazardous material handling and storage areas, and emergency response equipment. CORRECTIVE ACTION: Submit an accurate and complete site map into CERS.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Evaluations

Eval Date: 09/22/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 09/22/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 09/22/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Environmental Contact
Entity Name: Nitelle Levers
Entity Title:
Address: 2000 E. El Segundo Blvd, Bldg. E4 M/S N169
City: El Segundo
State: CA
Country:

Zip Code: 90245
Phone:

Affil Type Desc: Identification Signer
Entity Name: Suzelle Moss
Entity Title: Director of Environmental Health & Safety
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: Naira Nurijanyan
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 2000 E. El Segundo Blvd
City: El Segundo
State: CA
Country:
Zip Code: 90245
Phone:

Affil Type Desc: Parent Corporation
Entity Name: Raytheon Company
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: Raytheon Company
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (310) 647-4196

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:
Address: 620 South E Street
City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Affil Type Desc: Legal Owner
Entity Name: Raytheon Company
Entity Title:
Address: 2000 E. El Segundo Blvd
City: El Segundo
State: CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Country:		United States				
Zip Code:		90245				
Phone:		(310) 647-4196				
38	1 of 10	W	0.11 / 590.59	909.28 / 0	GUARDIAN JET CENTER 1150 S VINEYARD AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0005034
Owner Info: GUARDIAN SERVICES INC
Mailing Care of:
Mailing Address 1: 1150 S VINEYARD AVE
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0010450
Status: ACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2021

Permit ID: PT0017390
Status: ACTIVE
Program Element Code: 4031
Permit Desc: APSA 1,320-10,000 GAL FAC CAPACITY
To: 10/31/2021

Permit ID: PT0012778
Status: ACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 10/31/2021

Permit ID: PT0010451
Status: ACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2021

Permit ID: PT0016924
Status: ACTIVE
Program Element Code: 4452
Permit Desc: CONDITIONALLY EXEMPT SM QTY GENERATOR
To: 10/31/2021

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	2 of 10	W	0.11 / 590.59	909.28 / 0	CERTIFIED AVIATION SVCS GUARDIAN 1150 S VINEYARD AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0010697
Owner Info: AERO-MARK LLC
Mailing Care of:
Mailing Address 1: 8659 HAVEN AVE., STE 100
Mailing Address 2:
Mailing City: RANCHO CUCAMONGA
Mailing State: CA
Mailing Zip: 91730

Detail(s)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit ID: PT0018342
Status: INACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 12/31/2016

Permit ID: PT0018341
Status: INACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 12/31/2016

38	3 of 10	W	0.11 / 590.59	909.28 / 0	Jet Zone 1150 S Vineyard Ave Ontario CA 91761	SANBERN CUPA

Facility ID: FA0017180
Owner Info: Matthew Green
Mailing Care of:
Mailing Address 1: 1150 S Vineyard Ave
Mailing Address 2:
Mailing City: Ontario
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0036593
Status: INACTIVE
Program Element Code: 4242
Permit Desc: HAZARDOUS MATERIALS 1-3 CHEMICALS
To: 12/31/2020

Permit ID: PT0036594
Status: ACTIVE
Program Element Code: 4451
Permit Desc: CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
To: 12/31/2021

38	4 of 10	W	0.11 / 590.59	909.28 / 0	GUARDIAN JET CENTER 1150 S VINEYARD AVE ONTARIO CA 91761	UST

Facility ID: FA0005034
CERS ID: 10042579
County: San Bernardino
Latitude: 34.051712
Longitude: -117.612114
Permitting Agency: San Bernardino County Fire Department
Note: Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search
Site Facility Type: PERMITTED UNDERGROUND STORAGE TANK (UST)

38	5 of 10	W	0.11 / 590.59	909.28 / 0	GUARDIAN JET CENTER 1150 S VINEYARD AVE ONTARIO CA 91761	CERS TANK

Site ID: 34706
Latitude: 34.051712
Longitude: -117.612110

Regulated Programs

EI ID: 10042579
EI Description: Underground Storage Tank

EI ID: 10042579
EI Description: Chemical Storage Facilities

EI ID: 10042579
EI Description: Hazardous Waste Generator

EI ID: 10042579
EI Description: Aboveground Petroleum Storage

Violations

Violation Date: 05/17/2016 **Violation Source:** CERS
Violation Program: UST **Violation Division:** San Bernardino County Fire Department
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Notes:

Violation Description:

Violations

Violation Date: 05/17/2016 **Violation Source:** CERS
Violation Program: UST **Violation Division:** San Bernardino County Fire Department
Citation: Un-Specified
Violation Notes:

Violation Description:

Violations

Violation Date: 05/11/2020 **Violation Source:** CERS
Violation Program: UST **Violation Division:** San Bernardino County Fire Department
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Notes:

Violation Description:

Violations

Violation Date: 05/11/2020 **Violation Source:** CERS
Violation Program: UST **Violation Division:** San Bernardino County Fire Department
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Notes:

Violation Description:

Violations

Violation Date: 05/31/2019 **Violation Source:** CERS
Violation Program: UST **Violation Division:** San Bernardino County Fire Department
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Notes:

Violation Description:

Violations

Violation Date: 05/11/2020 **Violation Source:** CERS
Violation Program: UST **Violation Division:** San Bernardino County Fire Department
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)

Violation Notes:

Violation Description:

Violations

Violation Date: 05/31/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Notes:

Violation Description:

Violations

Violation Date: 05/31/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Notes:

Violation Description:

Violations

Violation Date: 11/03/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Violation Description:

Violations

Violation Date: 05/15/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Notes:

Violation Description:

Violations

Violation Date: 05/31/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Violation Description:

Enforcements

Enf Action Date: 11/03/2016 ***Enf Action Program:*** HW
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 11/03/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 05/16/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 05/31/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 05/15/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 11/03/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 05/22/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 11/03/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval Notes:

Eval Date: 05/22/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 05/11/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 05/31/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 05/17/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 05/22/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 05/31/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 05/31/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval Notes:

Eval Date: 05/31/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: UST Property Owner Name
Entity Name: LAWA
Entity Title:
Address: 6053 W. Century Blvd. Ste. 400
City: Los Angeles
State: CA
Country: United States
Zip Code: 90045
Phone: (424) 646-7200

Affil Type Desc: UST Tank Operator
Entity Name: Guardian Jet Center
Entity Title:
Address: 1150 S. Vineyard Ave.
City: Ontario
State: CA
Country: United States
Zip Code: 91761
Phone: (909) 605-6366

Affil Type Desc: Legal Owner
Entity Name: GUARDIAN SERVICES INC
Entity Title:
Address: 1150 S VINEYARD AVE
City: ONTARIO
State: CA
Country: United States
Zip Code: 91761
Phone: (909) 605-6366

Affil Type Desc: Identification Signer
Entity Name: Dan LeBouf
Entity Title: GENERAL MANAGER
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:
Address: 620 South E Street
City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Affil Type Desc: UST Permit Applicant
Entity Name: Dan LeBouf
Entity Title: General Manager

Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(909) 605-6366

Affil Type Desc:	Operator
Entity Name:	Guardian Jet Center
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(909) 605-6366

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	1150 S VINEYARD AVE
City:	ONTARIO
State:	CA
Country:	
Zip Code:	91761
Phone:	

Affil Type Desc:	Document Preparer
Entity Name:	Dawn Harkey
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Parent Corporation
Entity Name:	Guardian Jet Center
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Environmental Contact
Entity Name:	Dan LeBouf
Entity Title:	
Address:	1150 S VINEYARD AVE
City:	ONTARIO
State:	CA
Country:	
Zip Code:	91761
Phone:	

Affil Type Desc:	UST Tank Owner
Entity Name:	LAWA
Entity Title:	
Address:	6053 W. Century Blvd. Ste. 400
City:	Los Angeles
State:	CA
Country:	United States
Zip Code:	90045
Phone:	(424) 646-7200

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	6 of 10	W	0.11 / 590.59	909.28 / 0	Jet Zone 1150 S VINEYARD AVE ONTARIO CA 91761	CERS HAZ

Site ID: 416542
Latitude: 34.051704
Longitude: -117.612106
County:

Regulated Programs

EI ID: 10723120 **EI Description:** Hazardous Waste Generator

EI ID: 10723120 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 11/22/2016 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** San Bernardino County Fire Department
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Notes:

Returned to compliance on 01/18/2017. Failure to obtain a CUPA Hazardous Materials Handler permit (SBCC 23.0602(a)) Facility never obtained CUPA Hazardous Materials Handler permits with this Division

Violation Description:

Business Plan Program - Administration/Documentation - General

Violations

Violation Date: 03/04/2020 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/03/2020. OBSERVATION: The CERS business plan was last updated on 2/8/2018. The plan is required to be updated annually before March 1. CORRECTIVE ACTION: Review and certify the plan in CERS within 30 days and then annually before March 1.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 11/22/2016 **Violation Source:** CERS
Violation Program: HW **Violation Division:** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 01/18/2017. Failure to obtain a CUPA Hazardous Waste Generator Permit (SBCC 23.0602(b)(1)) Facility never obtained CUPA Hazardous Waste Generator permits

Violation Description:

Hazardous Waste Generator Program - Administration/Documentation - General

Violations

Violation Date: 11/22/2016 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** San Bernardino County Fire Department
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507

Violation Notes:

Returned to compliance on 01/18/2017. Facility never established a Business Plan with this Division

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 11/22/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 01/18/2017. Failure to establish a Contingency Plan (CCR 66265.51(a)) Facility never established a Contingency Plan with this Division.

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 11/22/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 01/18/2017. Facility never submitted a Business Plan to CERS

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Enforcements

Enf Action Date: 11/22/2016 ***Enf Action Program:*** HW
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 11/22/2016 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 03/04/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 03/04/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 11/22/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

ROUTINE GENERATOR INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/22/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

ROUTINE HANDLER INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Document Preparer
Entity Name: Matthew Green
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: Matthew Green
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (909) 204-1716

Affil Type Desc: Legal Owner
Entity Name: Matthew Green
Entity Title:
Address: 1150 S Vineyard Ave
City: Ontario
State: CA
Country: United States
Zip Code: 91761
Phone: (909) 204-1716

Affil Type Desc: Environmental Contact
Entity Name: Mark Pike

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Title:
Address: 1150 S Vineyard Ave
City: Ontario
State: CA
Country:
Zip Code: 91761
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1150 S Vineyard Ave
City: Ontario
State: CA
Country:
Zip Code: 91761
Phone:

Affil Type Desc: Parent Corporation
Entity Name: Jet Zone
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:
Address: 620 South E Street
City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Affil Type Desc: Identification Signer
Entity Name: Matthew Green
Entity Title: President
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code: HMBP
Program ID: 10723120
Latitude: 34.051700
Longitude: -117.612110
Coord Name:
Ref Point Type Desc: Center of a facility or station.

38	7 of 10	W	0.11 / 590.59	909.28 / 0	GUARDIAN AIR 1150 S VINEYARD AVE ONTARIO CA 91761	RCRA NON GEN

EPA Handler ID: CAL000280214
Gen Status Universe: No Report
Contact Name: DAN LEBOUF
Contact Address: 1150 S. VINEYARD AVE , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext: 909-605-6366
Contact Email: DLEBOUF@GUARDIANJETCENTER.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Land Type:
Receive Date: 20040318
Location Latitude: 34.050827
Location Longitude: -117.611009

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20040318
Handler Name: GUARDIAN AIR
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: DAN LEBOUF
Date Became Current:
Date Ended Current:
Phone: 909-605-6366
Source Type: Implementer
Street No:
Street 1: 1150 S. VINEYARD AVE
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761

Owner/Operator Ind: Current Owner
Type: Other
Name: GUARDIAN AIR SERVICES LLC
Date Became Current:
Date Ended Current:
Phone: 909-605-6366
Source Type: Implementer
Street No:
Street 1: 1150 S. VINEYARD AVE
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761-0000

38	*8 of 10*	*W*	*0.11 / 590.59*	*909.28 / 0*	***CAS*** ***1150 S. VINEYARD AVE.*** ***ONTARIO CA 91761***	***RCRA NON GEN***

EPA Handler ID: CAC002991600
Gen Status Universe: No Report
Contact Name: FRANK ESOPI
Contact Address: 1150 S. VINEYARD AVE. , , ONTARIO , CA, 91761 ,

Contact Phone No and Ext:	909-693-8708
Contact Email:	ACCOUNTING@STARLITEWASTE.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20181204
Location Latitude:	34.050827
Location Longitude:	-117.611009

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20181204
Handler Name:	CAS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1150 S. VINEYARD AVE.
Name:	FRANK ESOPI	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-693-8708	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1150 S. VINEYARD AVE.
Name:	FRANK ESOPI	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-693-8708	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	9 of 10	W	0.11 / 590.59	909.28 / 0	FLOUR CORP-FLIGHT OPERATIONS 1150 S VINEYARD AVE	UST SWEEPS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					ONTARIO CA	

C C:	A36-000-11637	**D Filename:**	SITE10A
BOE:		**Page No:**	163
Comp:	11637	**County:**	SAN BERNARDINO
Status:	ACTIVE	**State :**	CA
No of Tanks:	2	**Zip:**	91761
Jurisdict:	SAN BERNARDINO COUNTY	**Latitude:**	34.049421
Agency:	ENVIRONMENTAL HEALTH - U.S.T.	**Longitude:**	-117.610989
Phone:		**Georesult:**	S5HPNTSCZA

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	36-000-011637-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	09-10-91	**Content:**	JET FUEL
Capac:	20000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK10A

Tank Details

Tank ID:	000002	**S Contain:**	
O Tank ID:	2	**Stg:**	P
SWRCB No:	36-000-011637-000002	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	09-10-91	**Content:**	JET FUEL
Capac:	20000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK10A

38	*10 of 10*	*W*	*0.11 / 590.59*	*909.28 / 0*	***CERTIFIED AVIATION SERVICES LLC*** ***1150 S VINEYARD AVE*** ***ONTARIO CA 91761-7753***	***RCRA NON GEN***

EPA Handler ID:	CAL000317009
Gen Status Universe:	No Report
Contact Name:	JOHN BLAIR
Contact Address:	4569 LUTHER ST , , RIVERSIDE , CA, 92504 ,
Contact Phone No and Ext:	310-283-4594
Contact Email:	JBLAIR@CERTIFIEDAVIATION.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20070301
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20070301
Handler Name: CERTIFIED AVIATION SERVICES LLC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: CERTIFIED AVIATION SVCS LLC
Date Became Current:
Date Ended Current:
Phone: 949-706-8610
Source Type: Implementer
Street No:
Street 1: 3646 W DEERFIELD DR
Street 2:
City: EAGLE
State: ID
Country:
Zip Code: 83616

Owner/Operator Ind: Current Operator
Type: Other
Name: JOHN BLAIR
Date Became Current:
Date Ended Current:
Phone: 310-283-4594
Source Type: Implementer
Street No:
Street 1: 4569 LUTHER ST
Street 2:
City: RIVERSIDE
State: CA
Country:
Zip Code: 92504

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
39	1 of 2	WSW	0.12 / 607.66	904.95 / -4	VINYARD & MISSION ONTARIO CA	HMIRS

Incident County: SAN BERNARDINO

HMIR Historical Reports

Report No: I-1998081291
Report Type: A hazardous material incident
Date of Incident: 07/11/1998
Time of Incident: 1030
Haz Class Code: 3
Hazardous Class: FLAMMABLE - COMBUSTIBLE LIQUID
Commodity Short Nm: RESIN SOLUTION FLAMMABLE
Commodity Long Nm: RESIN SOLUTION FLAMMABLE
Trade Name:
ID No: UN1866
Haz Waste Ind: No
Haz Waste EPA No:
HMIS Tox Inhalation?: No
TIH Hazard Zone:
Qty Released: 20
Unit of Measure: LGA
What Failed: 103
What Failed Desc: Basic Material
Fed DOT Agency Nm:
Fed DOT Report No:
Report Submit Src: Paper
Inc Multiple Rows: No
Inc Non US State:
Mode Transport: Highway
Transport Phase: IN TRANSIT
Incident Occrrnce:
Mat Ship Approval?: No
Mat Ship Approv No:
Undecl Hazmat Ship?: No
Packaging Type: Non-Bulk
Packing Group:
Carrier Reporter: BURLINGTON MOTOR CARRIERS INC
CR Street Name: 14611 W COMMERCE RD
CR City: DALEVILLE
CR State: IN
CR Postal Code: 47334-9724

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

How Failed Code:	309	**CR Non US State:**	
How Failed Desc:	Punctured	**CR Fed DOT ID:**	134197
Failure Cause Code:	519	**CR Hazmat Reg ID:**	
Failure Cause Desc:	Inadequate Blocking and Bracing	**CR Country:**	US
Ident. Markings:		**Shipper Name:**	J & G TRANSPORTATION GROUP INC
Cont1 Pkging Type:		**Shipper Street Name:**	1820 W ORANGEWOOD AVE # 213
Cont1 Const Mat:		**Shipper City:**	ORANGE
Cont1 Head Type:		**Shipper State:**	CA
Cont1 Pkg Capacity:	55	**Shipper Postal:**	92868-2043
C1 Capacity UOM:	LGA	**Shipper Non US St:**	
Cont1 Pkg Amt:		**Shipper Country:**	US
C1 Pkg Amt UOM:		**Shipper Waybill:**	2322799
Cont1 Pkg No:	83	**Ship Hazmat Reg ID:**	
C1 Pkg NO Failed:	1	**Origin City:**	LYNWOOD
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	**Origin State:**	CALIFORNIA
Cont1 Pkg Mnfct Dt:		**Origin Postal:**	90262
Cont1 Pkg Serial NO:		**Origin Non US St:**	
C1 Pkg Last Test Dt:		**Origin Country:**	US
C1 Test Const Mat:		**Destination City:**	CARPENTERSVILLE
C1 Pkg Dsign Pres.:		**Destination State:**	ILLINOIS
C1 Dsign Press UOM:		**Destination Postal:**	60110
C1 Pkg Shell Thick:		**Destination Non US:**	
C1 Shell Thick UOM:		**Destination Country:**	US
C1 Head Thickness:		**Cont2 Package Type:**	
C1 Head Thick UOM:		**Cont2 Const Mat:**	
C1 Pkg Srvc Pres.:		**Cont2 Pkg Capacity:**	
C1 Srvc Press UOM:		**Cont2 Capacity UOM:**	
C1 Valve/Device Fail?:	No	**Cont2 Pkg Amount:**	
C1 Device Type:		**Cont2 Pkg Amt UOM:**	
C1 Device Mnfctr:		**Cont2 Pkg No:**	
C1 Device Model:		**Cont2 Pkg No Failed:**	
NRC No:			

RAM Pkg Category:		**Haz NonHosp Public:**	0
RAM Pkg Cert.:	FALSE	**Haz NonHosp Old:**	0
RAM Pkg Cert. NBR:		**Tot Haz Non Hosp Inj:**	0
RAM Nuclide S:		**Total Hazmat Injuries:**	0
RAM Transport Index:		**Evacuation Indicator:**	No
RAM UOM:		**Public Evacuated:**	0
RAM Activity Rpted:		**Employees Evac:**	0
RAM UOM Rpted:		**Total Evacuated:**	0
RAM Activity:		**Total Evacuation Hrs:**	0
RAM Activity UOM:		**Major Artery Closed:**	No
RAM Mat Safety:		**Mjr Artery Hrs Closed:**	0
Spillage Result:	Yes	**Material Involved:**	No
Fire Result:	No	**Estimated Speed:**	0
Explosion Result:	No	**Weather Conditions:**	
Water Sewer Result:	No	**Vehicle Overturn:**	No
Gas Dispersion:	No	**Vehicle Left Roadway:**	No
Environment Damage:	No	**Passenger Aircraft:**	No
No Release Result:	No	**Cargo Baggage:**	
Fire EMS Report:	No	**Ship Non Transport:**	No
Fire EMS EMS Report:		**Ship Air First Flight:**	No
Police Report:	No	**Ship Air Subflight:**	No
Police Report No:		**Ship Init Transport:**	No
In House Cleanup:	No	**Ship Phase Transfer:**	No
Other Cleanup:	No	**Contact Name:**	DENNIS WILLIAMS
Damage > 500:	Yes	**Contact Title:**	HAZMAT COORDINATOR
Material Loss:	200	**Contact Business:**	
Carrier Damage:	0	**Contact Street:**	
Property Damage:	0	**Contact City:**	
Response Cost:	0	**Contact State:**	
Remediation Cost:	3253	**Contact Postal:**	
Damage Old Form:	0	**Contact Non US St:**	
Total Damages Amt:	3453	**Contact Country:**	US
Hazmat Fatality:	No	**Inc. Report Prepared:**	
Haz Fatal Employees:	0	**HMIS Serious Incidnt:**	No
Haz Fatal Respndrs:	0	**HMIS Serious Fatality:**	No
Haz Fatal Gen Public:	0	**HMIS Serious Injury:**	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tot Hazmat Fatalities:	0	**HMIS Flight Plan:**	No
Non Hazmat Fatality:	No	**HMIS Serious Evacs:**	No
Non Hazmat Fatals:	0	**HMIS Major Artery:**	No
Hazmat Injury:	No	**HMIS Bulk Release:**	No
Haz Hospital Empl:	0	**HMIS Marine Pollutnt:**	No
Haz Hospital Resp:	0	**HMIS Radioactive:**	No
Haz Hosp Gen Public:	0	**HMIS Gen Pkg Type:**	OHMIR.Ref_Container.descr_txt
Haz Hosp Old Form:	0	**HMIS Container Code:**	1A1
Total Haz Hosp Inj:	0	**HMIS Container Desc:**	Non-removable head steel drum
Haz Non Hosp Empl:	0	**HMIS Bulk Incident:**	No
Haz Non Hosp Resp:	0	**Undeclared Shipment:**	No

Description of Events: DURING TRANSIT THE STRAPS THE DRIVER HAD USED TO SECURE THE LOAD CAME LOOSE. THIS CAUSED 83 55-GALLON DRUMS OF MATERIAL THAT HE WAS HAULING TO SHIFT. THIS RESULTED IN THE HOOK AT THE END OF THE STRAP TO BECOME IMBEDDED INTO THE SIDE OF ONE DRUM NEAR ITS BOTTOM LIP. THE PUNCTURE RELEASE APPROXIMATELY 20 GALLONS OF PRODUCT TO LEAK ONTO THE FLOOR OF THE TRAILER. HAZPAK INC WAS CONTRACTED AND RESPONDED TO THE SPILL. THEY CLEANED THE LEAKED MATERIAL FROM THE TRAILER FLOOR AND OVERPACKED THE DAMAGED DRUM. THE DRIVER WILL RECEIVE ADDITIONAL INSTRUCTION ON BLOCKING AND BRACING.

Recommend Actions Taken:

39	2 of 2	WSW	0.12 / 607.66	904.95 / -4	VINYARD & MISSION ONTARIO CA	HMIRS

Incident County: SAN BERNARDINO

HMIR Incident Reports

Report No:	I-1998081291	**Fed DOT Agency Nm:**	
Report Type:	A hazardous material incident	**Fed DOT Report No:**	
Date of Incident:	1998-07-11	**Report Submit Src:**	Paper
Time of Incident:	1030	**Inc Multiple Rows:**	No
Haz Class Code:		**Inc Non US State:**	
Hazardous Class:	3	**Mode Transport:**	Highway
Commodity Short Nm:	RESIN SOLUTION, FLAMMABLE	**Transport Phase:**	In Transit
Commodity Long Nm:	RESIN SOLUTION, FLAMMABLE	**Incident Occrrnce:**	
Trade Name:	POLYMAC 66-621	**Mat Ship Approval?:**	No
ID No:	UN1866	**Mat Ship Approv No:**	
Haz Waste Ind:	No	**Undecl Hazmat Ship?:**	No
Haz Waste EPA No:		**Packaging Type:**	Non-Bulk
HMIS Tox Inhalation?:	No	**Packing Group:**	
TIH Hazard Zone:		**Carrier Reporter:**	BURLINGTON MOTOR CARRIERS
Qty Released:	20	**CR Street Name:**	14611 WEST COMMERCE ROAD
Unit of Measure:	Liquid - Gallon	**CR City:**	DALEVILLE
What Failed:	103	**CR State:**	IN
What Failed Desc:	Basic Material	**CR Postal Code:**	47334
How Failed Code:	309	**CR Non US State:**	
How Failed Desc:	Punctured	**CR Fed DOT ID:**	134197
Failure Cause Code:	519	**CR Hazmat Reg ID:**	
Failure Cause Desc:	Inadequate Blocking and Bracing	**CR Country:**	US
Ident. Markings:		**Shipper Name:**	QUALITY TRANSPORT INC
Cont1 Pkging Type:		**Shipper Street Name:**	1820 WEST ORANGEWOOD, STE 206
Cont1 Const Mat:		**Shipper City:**	ORANGE
Cont1 Head Type:		**Shipper State:**	CA
Cont1 Pkg Capacity:	55	**Shipper Postal:**	92668
C1 Capacity UOM:	LGA	**Shipper Non US St:**	
Cont1 Pkg Amt:	0	**Shipper Country:**	US
C1 Pkg Amt UOM:		**Shipper Waybill:**	2322799
Cont1 Pkg No:	83	**Ship Hazmat Reg ID:**	
C1 Pkg NO Failed:	1	**Origin City:**	LYNWOOD
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	**Origin State:**	CA
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	**Origin Postal:**	90262
Cont1 Pkg Serial NO:		**Origin Non US St:**	
C1 Pkg Last Test Dt:	0-00-00 00:00:00	**Origin Country:**	US
C1 Test Const Mat:		**Destination City:**	CARPENTERSVILLE
C1 Pkg Dsign Pres.:	0	**Destination State:**	ILLINOIS
C1 Dsign Press UOM:		**Destination Postal:**	60110

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

C1 Pkg Shell Thick:	0	**Destination Non US:**	
C1 Shell Thick UOM:		**Destination Country:**	US
C1 Head Thickness:	0	**Cont2 Package Type:**	
C1 Head Thick UOM:		**Cont2 Const Mat:**	
C1 Pkg Srvc Pres.:	0	**Cont2 Pkg Capacity:**	0
C1 Srvc Press UOM:		**Cont2 Capacity UOM:**	
C1 Valve/Device Fail?:	No	**Cont2 Pkg Amount:**	0
C1 Device Type:		**Cont2 Pkg Amt UOM:**	
C1 Device Mnfctr:		**Cont2 Pkg No:**	0
C1 Device Model:		**Cont2 Pkg No Failed:**	0
NRC No:			
RAM Pkg Category:		**Haz NonHosp Public:**	0
RAM Pkg Cert.:	FALSE	**Haz NonHosp Old:**	
RAM Pkg Cert. NBR:		**Tot Haz Non Hosp Inj:**	
RAM Nuclide S:		**Total Hazmat Injuries:**	0
RAM Transport Index:		**Evacuation Indicator:**	No
RAM UOM:		**Public Evacuated:**	0
RAM Activity Rpted:	0	**Employees Evac:**	0
RAM UOM Rpted:		**Total Evacuated:**	0
RAM Activity:	0	**Total Evacuation Hrs:**	0
RAM Activity UOM:		**Major Artery Closed:**	No
RAM Mat Safety:		**Mjr Artery Hrs Closed:**	0
Spillage Result:	Yes	**Material Involved:**	No
Fire Result:	No	**Estimated Speed:**	0
Explosion Result:	No	**Weather Conditions:**	
Water Sewer Result:	No	**Vehicle Overturn:**	No
Gas Dispersion:	No	**Vehicle Left Roadway:**	No
Environment Damage:	No	**Passenger Aircraft:**	No
No Release Result:	No	**Cargo Baggage:**	
Fire EMS Report:	No	**Ship Non Transport:**	No
Fire EMS EMS Report:		**Ship Air First Flight:**	No
Police Report:	No	**Ship Air Subflight:**	No
Police Report No:		**Ship Init Transport:**	No
In House Cleanup:	No	**Ship Phase Transfer:**	No
Other Cleanup:	No	**Contact Name:**	DENNIS WILLIAMS
Damage > 500:	Yes	**Contact Title:**	HAZMAT COORDINATOR
Material Loss:	200	**Contact Business:**	
Carrier Damage:	0	**Contact Street:**	
Property Damage:	0	**Contact City:**	
Response Cost:	0	**Contact State:**	
Remediation Cost:	3253	**Contact Postal:**	
Damage Old Form:	0	**Contact Non US St:**	
Total Damages Amt:	3453	**Contact Country:**	US
Hazmat Fatality:	No	**Inc. Report Prepared:**	
Haz Fatal Employees:	0	**HMIS Serious Incidnt:**	No
Haz Fatal Respndrs:	0	**HMIS Serious Fatality:**	No
Haz Fatal Gen Public:	0	**HMIS Serious Injury:**	No
Tot Hazmat Fatalities:	0	**HMIS Flight Plan:**	No
Non Hazmat Fatality:	No	**HMIS Serious Evacs:**	No
Non Hazmat Fatals:	0	**HMIS Major Artery:**	No
Hazmat Injury:	No	**HMIS Bulk Release:**	No
Haz Hospital Empl:	0	**HMIS Marine Pollutnt:**	No
Haz Hospital Resp:	0	**HMIS Radioactive:**	No
Haz Hosp Gen Public:	0	**HMIS Gen Pkg Type:**	DRUM METAL
Haz Hosp Old Form:	0	**HMIS Container Code:**	1A1
Total Haz Hosp Inj:	0	**HMIS Container Desc:**	Non-removable head steel drum
Haz Non Hosp Empl:	0	**HMIS Bulk Incident:**	No
Haz Non Hosp Resp:	0	**Undeclared Shipment:**	No

Description of Events: DURING TRANSIT, THE STRAPS THE DRIVER HAD USED TO SECURE THE LOAD CAME LOOSE. THIS CAUSED 83 55-GALLON DRUMS OF MATERIAL THAT HE WAS HAULING TO SHIFT. THIS RESULTED IN THE HOOK AT THE END OF THE STRAP TO BECOME IMBEDDED INTO THE SIDE OF ONE DRUM NEAR ITS BOTTOM LIP. THE PUNCTURE RELEASE APPROXIMATELY 20 GALLONS OF PRODUCT TO LEAK ONTO THE FLOOR OF THE TRAILER. HAZPAK, INC WAS CONTRACTED AND RESPONDED TO THE SPILL. THEY CLEANED THE LEAKED MATERIAL FROM THE TRAILER FLOOR AND OVERPACKED THE DAMAGED DRUM. THE DRIVER WILL RECEIVE ADDITIONAL INSTRUCTION ON BLOCKING AND BRACING.

Recommend Actions Taken:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
40	1 of 1	ESE	0.12 / 612.08	889.02 / -20	KEYSTONE AUTOMOTIVE INDUSTRIES INC 2530 LINDSEY PRIVADO DR STE C ONTARIO CA 91761-3460	RCRA NON GEN

EPA Handler ID: CAL000332441
Gen Status Universe: No Report
Contact Name: JON GYPSYN
Contact Address: 2530 LINDSEY PRIVADO DR STE C , , ONTARIO , CA, 91761 , US
Contact Phone No and Ext: 909-986-4586
Contact Email: SCLAWSON@LKQCORP.COM
Contact Country: US
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20201113
Location Latitude: 34.047306
Location Longitude: -117.599292

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20080507
Handler Name: KEYSTONE AUTOMOTIVE INDUSTRIES, INC.
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20201113
Handler Name: KEYSTONE AUTOMOTIVE INDUSTRIES INC
Source Type: Deactivation
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	2530 LINDSEY PRIVADO DR STE C
Name:	KEYSTONE AUTOMOTIVE INDUSTRIES, INC	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-986-4586	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761-3460

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	2530 LINDSEY PRIVADO DR STE C
Name:	KEYSTONE AUTOMOTIVE INDUSTRIES, INC	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-986-4586	**Country:**	US
Source Type:	Deactivation	**Zip Code:**	91761-3460

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2530 LINDSEY PRIVADO DR STE C
Name:	JON GYPSYN	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-986-4586	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2530 LINDSEY PRIVADO DR STE C
Name:	KEYSTONE AUTOMOTIVE INDUSTRIES, INC	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-986-4586	**Country:**	US
Source Type:	Deactivation	**Zip Code:**	91761-3460

Historical Handler Details

Receive Dt:	20080507
Generator Code Description:	Not a Generator, Verified
Handler Name:	KEYSTONE AUTOMOTIVE INDUSTRIES, INC.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
41	1 of 2	ESE	0.12 / 616.83	889.02 / -20	KEYSTONE AUTOMOTIVE INDUSTRIES, INC. 2530 E LINDSAY PRIVADO SUITE C ONTARIO CA 91761	EMISSIONS

2008 Criteria Data

Facility ID:	153761	**CERR Code:**	
Facility SIC Code:	3471	**TOGT:**	1.033637007794311165097681951614535884 2
CO:	36	**ROGT:**	1.02113
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	
COID:	SBD	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2008 Toxic Data

Facility ID:	153761	**COID:**	SBD
Facility SIC Code:	3471	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	

Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CERR Code:

2009 Criteria Data

Facility ID: 153761
Facility SIC Code: 3471
CO: 36
Air Basin: SC
District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 1.57013867800384654317238586901508249823
ROGT: 1.55114
COT:
NOXT:
SOXT:
PMT:
PM10T:

2009 Toxic Data

Facility ID: 153761
Facility SIC Code: 3471
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2014 Criteria Data

Facility ID: 153761
Facility SIC Code: 3471
CO: 36
Air Basin: SC
District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: .5996813415867422598757456716938693586797
ROGT: .58488
COT:
NOXT:
SOXT:
PMT: .000005
PM10T: .0000043

2014 Toxic Data

Facility ID: 153761
Facility SIC Code: 3471
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2015 Toxic Data

Facility ID: 153761
Facility SIC Code: 3471
CO: 36
Air Basin: SC
District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
41	2 of 2	ESE	0.12 / 616.83	889.02 / -20	KEYSTONE AUTOMOTIVE IND INC 2530 E LINDSAY PRIVADO DR STE C ONTARIO CA 91761	CERS HAZ

Site ID: 395866
Latitude: 34.047619
Longitude: -117.598260
County:

Regulated Programs

EI ID: 10053517 **EI Description:** Chemical Storage Facilities

EI ID: 10053517 **EI Description:** Hazardous Waste Generator

Violations

Violation Date: 10/31/2016 **Violation Source:** CERS
Violation Program: HW **Violation Division:** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 11/01/2016. Failure to retain Hazardous Waste Manifests for at least 3 years (CCR 66262.40(a)) Disposal records for 2016 not available for review.

Violation Description:

Hazardous Waste Generator Program - Administration/Documentation - General

Violations

Violation Date: 10/29/2019 **Violation Source:** CERS
Violation Program: HW **Violation Division:** San Bernardino County Fire Department
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 10/29/2019. OBSERVATION: At time of inspection, (1) 55 gallon drum of waste paint located in the wheel department area of facility was observed without a hazardous waste label. CORRECTIVE ACTION: Properly label all hazardous waste containers. This was corrected on site during time of inspection.

Violation Description:

Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 10/31/2016 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** San Bernardino County Fire Department
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 03/28/2017. Inventory observed not consistent with the hazardous materials inventory submitted to CERS.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:

A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 10/29/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Notes:

Returned to compliance on 11/11/2019. OBSERVATION: At time of inspection, observed (2) 55 gallon drums of waste paint with accumulation start date of 2-18-2019 and (1) 55 gallon drum of waste paint with accumulation start date of 1-17-2019 in the hazardous waste storage area by paint mixing booth. Hazardous waste must be hauled off site for disposal within 180 days from accumulation start date. CORRECTIVE ACTION: Dispose of hazardous waste that has been stored over the applicable time limit and provide documentation that the violation has been corrected.

Violation Description:

Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met:
(1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms.

(2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f).

(3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.

Violations

Violation Date: 10/29/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

OBSERVATION: At time of inspection, observed (5) 152 cubic feet cylinders of Helium/Argon gas, (23) 55 pound boxes of paint primer, (3) 251 cubic feet cylinders of oxygen and (5) 125 cubic feet cylinders of oxygen and approximately 1,600 gallons of propane on site. These quantities are over 100 percent more in quantity than quantity listed on hazardous materials inventory submitted via CERS on 8-7-2019. CORRECTIVE ACTION: Submit the updated business plan information via CERS within 30 days from this inspection date.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Enforcements

Enf Action Date: 10/31/2016 ***Enf Action Program:*** HW
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 10/31/2016 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 10/31/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

ROUTINE GENERATOR INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/31/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

ROUTINE HANDLER INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/29/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/29/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Legal Owner
Entity Name: LKQ CORPORATION
Entity Title:
Address: 655, GRASSMERE PARK DRIVE
City: NASHVILLE
State: TN
Country: United States
Zip Code: 37211
Phone: (602) 414-2863

Affil Type Desc: Parent Corporation
Entity Name: KEYSTONE AUTOMOTIVE IND INC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Affil Type Desc:	Environmental Contact
Entity Name:	JON GYPSYN
Entity Title:	
Address:	P.O.BOX 6091
City:	LAGUNA NIGUEL
State:	CA
Country:	
Zip Code:	92677
Phone:	

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	2530 E LINDSAY PRIVADO DR STE C
City:	ONTARIO
State:	CA
Country:	
Zip Code:	91761-3460
Phone:	

Affil Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	
Address:	620 South E Street
City:	San Bernardino
State:	CA
Country:	
Zip Code:	92415-0153
Phone:	(909) 386-8401

Affil Type Desc:	Document Preparer
Entity Name:	JON GYPSYN
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Identification Signer
Entity Name:	BRUCE BARBOUR
Entity Title:	GENERAL MANAGER
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Operator
Entity Name:	Bruce Barbour
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(909) 986-4586

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
42	*1 of 2*	*SW*	*0.12 / 617.14*	*894.21 / -15*	***AMERICAN AQUATICS INC*** ***1420 S CARLOS AVE*** ***ONTARIO CA 91761***	***SANBERN CUPA***

Facility ID:	FA0000894
Owner Info:	CALLI, MICHAEL
Mailing Care of:	
Mailing Address 1:	1420 S CARLOS AVE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0007460
Status: ACTIVE
Program Element Code: 4241
Permit Desc: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
To: 5/31/2022

42	2 of 2	SW	0.12 / 617.14	894.21 / -15	AMERICAN AQUATICS INC 1420 S CARLOS AVE ONTARIO CA 91761	CERS HAZ

Site ID: 91540
Latitude: 34.048153
Longitude: -117.607030
County:

Regulated Programs

EI ID: 10035238 ***EI Description:*** Chemical Storage Facilities

Violations

Violation Date: 10/23/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 10/29/2018. OBSERVATION: The CERS business plan was last updated on 7/29/2017. The plan must be updated yearly before March 1st. CORRECTIVE ACTION: Review and certify the business plan via CERS within 30 days and annually before March 1st. Update the map and emergency response plan as indicated within CERS and to include the storage location of the oxygen and the local CUPA phone number.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 11/18/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 10/29/2018. The last Business Plan update submitted by this facility is dated 1/29/2013.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violations

Violation Date: 11/18/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 10/29/2018. This facility has not submitted the Business Plan elements into CERS.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Enforcements

Enf Action Date:	11/18/2015	***Enf Action Program:***	HMRRP
Enf Action Type:	Notice of Violation (Unified Program)	***Enf Action Source:***	CERS
Enf Action Division:	San Bernardino County Fire Department		
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection		
Enf Action Notes:			

Evaluations

Eval Date:	10/23/2018
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

Eval Date:	11/18/2015
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

ROUTINE HANDLER INSPECTION-AMERICAN AQUATICS; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc:	Legal Owner
Entity Name:	CALLI, MICHAEL
Entity Title:	
Address:	16589 CERULEAN CT
City:	CHINO HILLS
State:	CA
Country:	United States
Zip Code:	91709
Phone:	(909) 597-3947

Affil Type Desc:	Parent Corporation
Entity Name:	AMERICAN AQUATICS INC
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	
Address:	620 South E Street

City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Affil Type Desc: Identification Signer
Entity Name: Michael Calli
Entity Title: President
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: Jay Atkinson
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: MIchael Calli
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (909) 923-6173

Affil Type Desc: Property Owner
Entity Name: Michael Calli
Entity Title:
Address: 1420 S Carlos Ave
City: Ontario
State: CA
Country: United States
Zip Code: 91761
Phone: (626) 923-6173

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1420 S CARLOS AVE
City: ONTARIO
State: CA
Country:
Zip Code: 91761
Phone:

Affil Type Desc: Environmental Contact
Entity Name: MICHAEL V CALLI
Entity Title:
Address: 1420 S CARLOS AVE
City: ONTARIO
State: CA
Country:
Zip Code: 91761
Phone:

Coordinates

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Env Int Type Code:	HMBP	**Longitude:**	-117.607025
Program ID:	10035238	**Coord Name:**	
Latitude:	34.048149	**Ref Point Type Desc:**	Unknown

43	1 of 2	W	0.12 / 653.32	908.18 / -1	**GENERAL ELECTRIC COMPANY** **2264 AVION DR** **ONTARIO CA 91761**	EMISSIONS

1993 Criteria Data

Facility ID:	61160	**CERR Code:**	
Facility SIC Code:	5171	**TOGT:**	13
CO:	36	**ROGT:**	12.62335
Air Basin:	SC	**COT:**	6.6
District:	SC	**NOXT:**	29
COID:	SBD	**SOXT:**	13.3
DISN:	SOUTH COAST AQMD	**PMT:**	2.1
CHAPIS:		**PM10T:**	2.0496

1993 Toxic Data

Facility ID:	61160	**COID:**	SBD
Facility SIC Code:	5171	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	61160	**CERR Code:**	
Facility SIC Code:	5171	**TOGT:**	13
CO:	36	**ROGT:**	12.62335
Air Basin:	SC	**COT:**	6.6
District:	SC	**NOXT:**	29
COID:	SBD	**SOXT:**	13.3
DISN:	SOUTH COAST AQMD	**PMT:**	2.1
CHAPIS:		**PM10T:**	2.0496

1995 Toxic Data

Facility ID:	61160	**COID:**	SBD
Facility SIC Code:	5171	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

43	2 of 2	W	0.12 / 653.32	908.18 / -1	**GE ENGINE SERVICES** **2264 AVION DR** **ONTARIO CA 91761**	EMISSIONS

1996 Criteria Data

Facility ID: 61160
Facility SIC Code: 5171
CO: 36
Air Basin: SC
District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 10.9
ROGT: 10.5841
COT: 5.304
NOXT: 23.3
SOXT: 10.70009
PMT: 1.801
PM10T: 1.7578

1996 Toxic Data

Facility ID: 61160
Facility SIC Code: 5171
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

1997 Criteria Data

Facility ID: 61160
Facility SIC Code: 5171
CO: 36
Air Basin: SC
District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 15.1082803
ROGT: 12.5812963155
COT: 16.291
NOXT: 79.793
SOXT: 2.28709
PMT: .7160375
PM10T: .501478934

1997 Toxic Data

Facility ID: 61160
Facility SIC Code: 5171
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

1998 Criteria Data

Facility ID: 61160
Facility SIC Code: 5171
CO: 36
Air Basin: SC
District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 15.1012803
ROGT: 12.5670092155
COT: 16.291
NOXT: 79.793
SOXT: 2.28709
PMT: .7160375
PM10T: .501478934

1998 Toxic Data

Facility ID: 61160
Facility SIC Code: 5171
CO: 36
Air Basin: SC
District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

1999 Criteria Data

Facility ID:	61160	***CERR Code:***	
Facility SIC Code:	5171	***TOGT:***	15.1082803
CO:	36	***ROGT:***	12.5812963155
Air Basin:	SC	***COT:***	16.291
District:	SC	***NOXT:***	79.793
COID:	SBD	***SOXT:***	2.28709
DISN:	SOUTH COAST AQMD	***PMT:***	.7160375
CHAPIS:		***PM10T:***	.501478934

1999 Toxic Data

Facility ID:	61160	***COID:***	SBD
Facility SIC Code:	5171	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2000 Criteria Data

Facility ID:	61160	***CERR Code:***	
Facility SIC Code:	5171	***TOGT:***	15.1082803
CO:	36	***ROGT:***	12.57
Air Basin:	SC	***COT:***	16.291
District:	SC	***NOXT:***	79.793
COID:	SBD	***SOXT:***	2.28709
DISN:	SOUTH COAST AQMD	***PMT:***	.7160375
CHAPIS:		***PM10T:***	.5

2000 Toxic Data

Facility ID:	61160	***COID:***	SBD
Facility SIC Code:	5171	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2001 Criteria Data

Facility ID:	61160	***CERR Code:***	
Facility SIC Code:	3724	***TOGT:***	4.75
CO:	36	***ROGT:***	3.79
Air Basin:	SC	***COT:***	11.76
District:	SC	***NOXT:***	38.99
COID:	SBD	***SOXT:***	.24
DISN:	SOUTH COAST AQMD	***PMT:***	.39
CHAPIS:	Y	***PM10T:***	.27

2001 Toxic Data

Facility ID:	61160	***COID:***	SBD
Facility SIC Code:	3724	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	Y
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:	.5		
Non-Cancer Chronic Haz Ind:	0		
Non-Cancer Acute Haz Ind:	3.99		

2002 Criteria Data

Facility ID:	61160	***CERR Code:***	
Facility SIC Code:	3724	***TOGT:***	3.602963
CO:	36	***ROGT:***	3.214479988
Air Basin:	SC	***COT:***	9.7635
District:	SC	***NOXT:***	32.513
COID:	SBD	***SOXT:***	.199083
DISN:	SOUTH COAST AQMD	***PMT:***	.30475
CHAPIS:	Y	***PM10T:***	.2974165

2002 Toxic Data

Facility ID:	61160	***COID:***	SBD
Facility SIC Code:	3724	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	Y
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	61160	***CERR Code:***	
Facility SIC Code:	3724	***TOGT:***	3.602963
CO:	36	***ROGT:***	3.2
Air Basin:	SC	***COT:***	9.7635
District:	SC	***NOXT:***	32.513
COID:	SBD	***SOXT:***	.199083
DISN:	SOUTH COAST AQMD	***PMT:***	.30475
CHAPIS:	Y	***PM10T:***	.3

2003 Toxic Data

Facility ID:	61160	***COID:***	SBD
Facility SIC Code:	3724	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	Y
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:	.5		
Non-Cancer Chronic Haz Ind:	.01		
Non-Cancer Acute Haz Ind:	.7		

2004 Criteria Data

Facility ID:	61160	***CERR Code:***	
Facility SIC Code:	3724	***TOGT:***	2.139635
CO:	36	***ROGT:***	1.909362054

Air Basin:	SC	**COT:**	6.46385
District:	SC	**NOXT:**	18.2143
COID:	SBD	**SOXT:**	.114065
DISN:	SOUTH COAST AQMD	**PMT:**	.175825
CHAPIS:	Y	**PM10T:**	.17158375

2004 Toxic Data

Facility ID:	61160	**COID:**	SBD
Facility SIC Code:	3724	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	Y
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:	.5		
Non-Cancer Chronic Haz Ind:	.01		
Non-Cancer Acute Haz Ind:	.7		

2005 Criteria Data

Facility ID:	61160	**CERR Code:**	
Facility SIC Code:	3724	**TOGT:**	2.14690032466148062860953649092345989171
CO:	36	**ROGT:**	1.915
Air Basin:	SC	**COT:**	5.945
District:	SC	**NOXT:**	13.534
COID:	SBD	**SOXT:**	.089
DISN:	SOUTH COAST AQMD	**PMT:**	.139
CHAPIS:	Y	**PM10T:**	.135612

2005 Toxic Data

Facility ID:	61160	**COID:**	SBD
Facility SIC Code:	3724	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	Y
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:	.5		
Non-Cancer Chronic Haz Ind:	.01		
Non-Cancer Acute Haz Ind:	.7		

2006 Criteria Data

Facility ID:	61160	**CERR Code:**	
Facility SIC Code:	3724	**TOGT:**	.3224080903329423728580379776992758437642
CO:	36	**ROGT:**	.285
Air Basin:	SC	**COT:**	1.057
District:	SC	**NOXT:**	3.077
COID:	SBD	**SOXT:**	.019
DISN:	SOUTH COAST AQMD	**PMT:**	.031
CHAPIS:	Y	**PM10T:**	.03023

2006 Toxic Data

Facility ID:	61160	**COID:**	SBD
Facility SIC Code:	3724	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	Y
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			

Health Risk Asmt: .5
Non-Cancer Chronic Haz Ind: .01
Non-Cancer Acute Haz Ind: .7

2007 Criteria Data

Facility ID: 61160
Facility SIC Code: 3724
CO: 36
Air Basin: SC
District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: .32012798833327740825390711535539303169 82
ROGT: .285
COT: 1.057
NOXT: 3.077
SOXT: .019
PMT: .031
PM10T: .03023

2007 Toxic Data

Facility ID: 61160
Facility SIC Code: 3724
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt: .5
Non-Cancer Chronic Haz Ind: .01
Non-Cancer Acute Haz Ind: .7
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2008 Criteria Data

Facility ID: 61160
Facility SIC Code: 7538
CO: 36
Air Basin: SC
District: SC
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: .48586317749143403350232512863059852255 88
ROGT: .40517957
COT: 1.39323
NOXT: 4.04539
SOXT: .02659
PMT: .04124
PM10T: .0402323

2008 Toxic Data

Facility ID: 61160
Facility SIC Code: 7538
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2009 Criteria Data

Facility ID: 61160
Facility SIC Code: 7538
CO: 36
Air Basin: SC
District: SC
CERR Code:
TOGT: .34695481795966262449443395540859588452 52
ROGT: .291032
COT: .94187
NOXT: 2.24696

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

COID:	SBD	**SOXT:**	.0100321
DISN:	SOUTH COAST AQMD	**PMT:**	.020401
CHAPIS:		**PM10T:**	.01990095

2009 Toxic Data

Facility ID:	61160	**COID:**	SBD
Facility SIC Code:	7538	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:	.5		
Non-Cancer Chronic Haz Ind:	.01		
Non-Cancer Acute Haz Ind:	.7		

2010 Toxic Data

Facility ID:	61160	**COID:**	SBD
Facility SIC Code:	7538	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
44	1 of 2	ESE	0.13 / 690.26	890.87 / -19	LANIC ENGINEERING, INC 2571 LINDSAY PRIVADO ONTARIO CA 91762	SANBERN CUPA

Facility ID:	FA0010120
Owner Info:	LANIC ENGINEERING, INC
Mailing Care of:	LUIS NICOLALDE
Mailing Address 1:	2571 LINDSAY PRIVADO
Mailing Address 2:	
Mailing City:	ONTARIO
Mailing State:	CA
Mailing Zip:	91762

Detail(s)

Permit ID:	PT0017283
Status:	INACTIVE
Program Element Code:	4420
Permit Desc:	SPECIAL GENERATOR
To:	1/31/2010

Permit ID:	PT0017284
Status:	INACTIVE
Program Element Code:	4210
Permit Desc:	SPECIAL HANDLER
To:	1/31/2010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
44	2 of 2	ESE	0.13 / 690.26	890.87 / -19	FUTURE MACHINE PROD INC 2571 LINDSAY PRIVADO ONTARIO CA 91761	SANBERN CUPA

Facility ID:	FA0003360
Owner Info:	KNUDSON, JAMES A.
Mailing Care of:	TORY DELGADILLO
Mailing Address 1:	2571 LINDSAY PRIVADO
Mailing Address 2:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0006776
Status: INACTIVE
Program Element Code: 4430
Permit Desc: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
To: 8/31/2005

Permit ID: PT0006777
Status: INACTIVE
Program Element Code: 4221
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 8/31/2005

45	1 of 2	ESE	0.13 / 693.77	892.37 / -17	PBY PLASTICS 2571 LINDSAY PRIVADO DR. ONTARIO CA 91761	RCRA TSD

EPA Handler ID: CAC003008700
Gen Status Universe: No Report
Contact Name: RONNIE WOODS
Contact Address: 2571 LINDSAY PRIVADO DR. , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext: 909-930-6700
Contact Email: RONNIE@PBYPLAS.COM
Contact Country:
Land Type:
County Name: SAN BERNARDINO
EPA Region: 09
Receive Date: 20190404
Location Latitude: 34.047636
Location Longitude: -117.59779

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190404

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Name:	PBY PLASTICS
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	2571 LINDSAY PRIVADO DR.
Name:	PBY PLASTICS	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-930-6700	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2571 LINDSAY PRIVADO DR.
Name:	RONNIE WOODS	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-930-6700	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

45	2 of 2	ESE	0.13 / 693.77	892.37 / -17	**PBY PLASTICS** **2571 LINDSAY PRIVADO DR.** **ONTARIO CA 91761**	**RCRA NON GEN**

EPA Handler ID:	CAC003008700
Gen Status Universe:	No Report
Contact Name:	RONNIE WOODS
Contact Address:	2571 LINDSAY PRIVADO DR. , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext:	909-930-6700
Contact Email:	RONNIE@PBYPLAS.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20190404
Location Latitude:	34.047636
Location Longitude:	-117.59779

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190404
Handler Name: PBY PLASTICS
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: RONNIE WOODS
Date Became Current:
Date Ended Current:
Phone: 909-930-6700
Source Type: Implementer
Street No:
Street 1: 2571 LINDSAY PRIVADO DR.
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761

Owner/Operator Ind: Current Owner
Type: Other
Name: PBY PLASTICS
Date Became Current:
Date Ended Current:
Phone: 909-930-6700
Source Type: Implementer
Street No:
Street 1: 2571 LINDSAY PRIVADO DR.
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
46	1 of 2	WSW	0.14 / 714.33	898.91 / -10	ONTARIO ANG STATION 2500 ACACIA STREET ONTARIO CA	HIST TANK

Owner Name: CALIFORNIA AIR NATIONAL GUARD
Owner Street: PO BOX 214405
Owner City: SACRAMENTO
Owner State: CA
Owner Zip: 958210404
No of Containers: 10
County: SAN BERNARDINO
Facility State: CA
Facility Zip: 917617627

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
46	2 of 2	WSW	0.14 / 714.33	898.91 / -10	ONTARIO ANG STATION 2500 ACACIA ST ONTARIO CA	UST SWEEPS

C C: A36-000-7563
BOE:
Comp: 7563
Status: ACTIVE
No of Tanks: 7
Jurisdict: SAN BERNARDINO COUNTY
Agency: ENVIRONMENTAL HEALTH - U.S.T.
Phone:
D Filename: SITE10A
Page No: 137
County: SAN BERNARDINO
State : CA
Zip: 91761
Latitude: 0
Longitude: 0
Georesult: N

Tank Details

Tank ID: 000005
O Tank ID: ON00212-02
SWRCB No: 36-000-007563-000005
Removed:
Installed:
A Date: 07-01-85
Capac: 25000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: AVIA. GAS
ONA:
D File Name: TANK10A

Tank Details

Tank ID: 000004
O Tank ID: ON00212-01
SWRCB No: 36-000-007563-000004
Removed:
Installed:
A Date: 07-01-85
Capac: 25000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: AVIA. GAS
ONA:
D File Name: TANK10A

Tank Details

Tank ID: 000006
O Tank ID: ON00212-03
SWRCB No: 36-000-007563-000006
Removed:
Installed:
A Date: 07-01-85
Capac: 25000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: AVIA. GAS
ONA:
D File Name: TANK10A

Tank Details

Tank ID: 000001
O Tank ID: ON00220---
SWRCB No: 36-000-007563-000001
Removed:
Installed:
A Date: 07-01-85
Capac: 6000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: DIESEL
ONA:
D File Name: TANK10A

Tank Details

Tank ID: 000007
O Tank ID: ON00225---
SWRCB No: 36-000-007563-000007
Removed:
Installed:
A Date: 07-01-85
Capac: 25000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: AVIA. GAS
ONA:
D File Name: TANK10A

Tank Details

Tank ID: 000002
O Tank ID: ON00206-01
SWRCB No: 36-000-007563-000002
Removed:
Installed:
A Date: 07-01-85
Capac: 1000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: REG UNLEADED
ONA:
D File Name: TANK10A

Tank Details

Tank ID: 000003
O Tank ID: ON00206-02
SWRCB No: 36-000-007563-000003
Removed:
Installed:
A Date: 07-01-85
Capac: 4000
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: REG UNLEADED
ONA:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tank Use:	M.V. FUEL			**D File Name:**	TANK10A	

47	1 of 3	WSW	0.14 / 729.52	899.23 / -10	Promarksvac Corp. 1915 E Acacia St Ontario CA 91761	SANBERN CUPA

Facility ID: FA0015625
Owner Info: Mohsin Syed
Mailing Care of:
Mailing Address 1: 1915 E Acacia St.
Mailing Address 2:
Mailing City: Ontario
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0034181
Status: ACTIVE
Program Element Code: 4452
Permit Desc: CONDITIONALLY EXEMPT SM QTY GENERATOR
To: 11/30/2021

Permit ID: PT0038010
Status: ACTIVE
Program Element Code: 4242
Permit Desc: HAZARDOUS MATERIALS 1-3 CHEMICALS
To: 11/30/2021

47	2 of 3	WSW	0.14 / 729.52	899.23 / -10	PROMARKS VAC CORP 1915 E ACACIA ST ONTARIO CA 91761	RCRA NON GEN

EPA Handler ID: CAL000425309
Gen Status Universe: No Report
Contact Name: RICK HURD
Contact Address: 1915 E ACACIA ST , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext: 909-923-3888
Contact Email: RICK@PROMARKSVAC.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20170301
Location Latitude: 34.049016
Location Longitude: -117.609966

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20170301
Handler Name: PROMARKS VAC CORP
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: MOHSIN SYED
Date Became Current:
Date Ended Current:
Phone: 909-923-3888
Source Type: Implementer
Street No:
Street 1: 1915 E ACACIA ST
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761-7921

Owner/Operator Ind: Current Operator
Type: Other
Name: RICK HURD
Date Became Current:
Date Ended Current:
Phone: 909-923-3888
Source Type: Implementer
Street No:
Street 1: 1915 E ACACIA ST
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761

47	3 of 3	WSW	0.14 / 729.52	899.23 / -10	PROMARKS INC 1915 E ACACIA ST ONTARIO CA 91761-7921	RCRA NON GEN

EPA Handler ID: CAL000354717
Gen Status Universe: No Report
Contact Name: RICK HURD
Contact Address: 1915 E ACACIA ST , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext: 909-923-3888
Contact Email: RICK@PROMARKSVAC.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20100715
Location Latitude: 34.049016
Location Longitude: -117.609966

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No

Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20100715
Handler Name:	PROMARKS INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1915 E ACACIA ST
Name:	MOHSIN SYED	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-923-3888	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761-7921
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1915 E ACACIA ST
Name:	RICK HURD	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-923-3888	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
48	1 of 1	SW	0.14 / 743.77	894.84 / -15	TOTAL FILTRATION SERVICES 1421 S BALBOA AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID:	FA0018234
Owner Info:	TOTAL FILTRATION SERVICES
Mailing Care of:	
Mailing Address 1:	1421 S. BALBOA AVE.
Mailing Address 2:	
Mailing City:	ONTARIO
Mailing State:	CA
Mailing Zip:	91761

Detail(s)

Permit ID:	PT0039404
Status:	ACTIVE
Program Element Code:	4241
Permit Desc:	HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
To:	5/31/2021

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	1 of 1	SSW	0.14 / 746.64	892.15 / -17	KRP TOPMASTER 1440 S CARLOS AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID:	FA0006720

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner Info: BAUM, ROB
Mailing Care of: ACCOUNTS PAYABLE DEPT.
Mailing Address 1: 1220 GRAPHITE DR
Mailing Address 2:
Mailing City: CORONA
Mailing State: CA
Mailing Zip: 92881-3308

Detail(s)

Permit ID: PT0000601
Status: INACTIVE
Program Element Code: 4221
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 9/30/2005

50	1 of 2	SW	0.14 / 748.73	895.04 / -14	CAPITOL STEEL PRODUCTS 1420 S BALBOA AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0018530
Owner Info: BARRY MARRS
Mailing Care of:
Mailing Address 1: 1420 S BALBOA AVE
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0040018
Status: ACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 4/30/2022

Permit ID: PT0040019
Status: ACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 4/30/2022

Permit ID: PT0040020
Status: ACTIVE
Program Element Code: 4722
Permit Desc: CE LIMITED ANNUAL FEE
To: 4/30/2022

50	2 of 2	SW	0.14 / 748.73	895.04 / -14	CAPITAL STEEL PRODUCTS 1420 S BALBA AVE ONTARIO CA 91761	RCRA NON GEN

EPA Handler ID: CAL000452346
Gen Status Universe: No Report
Contact Name: FREDDY DIAZ
Contact Address: 1420 S BALBA AVE , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext: 909-906-5564
Contact Email: FDIAZ@SCSFENCE.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20200130
Location Latitude:

Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20200130
Handler Name:	CAPITAL STEEL PRODUCTS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	5339 JACKSON ST
Name:	SECURITY CONTRACTOR SERVICES	***Street 2:***	
Date Became Current:		***City:***	NORTH HIGHLANDS
Date Ended Current:		***State:***	CA
Phone:	916-338-4200	***Country:***	
Source Type:	Implementer	***Zip Code:***	95660
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1420 S BALBA AVE
Name:	FREDDY DIAZ	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	909-906-5564	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761

51	***1 of 1***	***SSW***	***0.15 / 773.04***	***891.84 / -18***	***Y & D RUBBER CO INC 1451 S CARLOS AVE ONTARIO CA 91761-7676***	***RCRA NON GEN***

EPA Handler ID:	CAL000321142
Gen Status Universe:	No Report
Contact Name:	TRINIDAD YEPEZ/PRES
Contact Address:	1451 S CARLOS AVE , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext:	909-947-9900
Contact Email:	INFO@YDRUBBER.COM
Contact Country:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20070621
Location Latitude:	34.047504
Location Longitude:	-117.605376

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20070621
Handler Name:	Y & D RUBBER CO INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1451 S CARLOS AVE
Name:	TRINIDAD YEPEZ	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-947-9900	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761-7676
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1451 S CARLOS AVE
Name:	TRINIDAD YEPEZ/PRES	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-947-9900	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

52	*1 of 1*	*W*	*0.15 / 789.08*	*912.32 / 3*	***FLUOR CORP. FLIGHT OPERATIONS 1150 VINEYARD AVE ONTARIO CA 91761***	***LUST***

Global ID:	T0607100238	**County:**	SAN BERNARDINO

Status: COMPLETED - CASE CLOSED
Status Date: 2/18/1992
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites & Military UST Site from GeoTracker Project Search Results Export; LUST Cleanup Sites & Military UST Site from GeoTracker Cleanup Sites Data Download
Latitude: 34.051706
Longitude: -117.612103

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083601922T
Local Case No: 91007
Begin Date: 8/14/1991
Lead Agency: SAN BERNARDINO COUNTY
Local Agency:
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
DWR GW Subbasin Name: Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:
Calenviroscreen Score: 96-100% (highest scores)
Site History:
Potential COC: Aviation
How Discovered:
Stop Method:
Stop Description:
Case Worker:
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 2/18/1992
Action: Closure/No Further Action Letter

Action Type: Other
Date : 8/14/1991
Action: Leak Reported

Action Type: Other
Date : 8/14/1991
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
City: RIVERSIDE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
Email: carl.bernhardt@waterboards.ca.gov
Phone No: 9517824495

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2/18/1992

Status: Open - Site Assessment
Status Date: 9/27/1991

Status: Open - Site Assessment
Status Date: 8/14/1991

Status: Open - Case Begin Date
Status Date: 8/14/1991

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: FLUOR CORP. FLIGHT OPERATIONS
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Potential COC: AVIATION
Facility Type:
Composting Method:

Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Address: 1150 VINEYARD AVE
City: ONTARIO
Zip: 91761
County: SAN BERNARDINO
CUF Claim:

File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC - Note: Also incl parts of 481.21 and 481.23 (R4).
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0607100238
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 2/18/1992
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0607100238&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Upper Santa Ana Valley - Chino (8-002.01)
Calwater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN BERNARDINO COUNTY (LEAD) - CASE #: 91007
SANTA ANA RWQCB (REGION 8) - CASE #: 083601922T
CASEWORKER: CARL BERNHARDT
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply - Note: Also incl parts of 481.21 and 481.23 (R4).
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 2/18/1992

Status: Open - Site Assessment
Date : 9/27/1991

Status: Open - Case Begin Date
Date : 8/14/1991

Status: Open - Site Assessment
Date : 8/14/1991

LUST Sites from GeoTracker Search - Regulatory Activities (as of May 29, 2021)

Action Type: Other Regulatory Actions
Action Date: 2/18/1992
Received Issue Date: 2/18/1992
Action: Closure/No Further Action Letter
Doc Link:
Title Description Comments:

NOTE: URR WAS DATED 9/11/91.

Action Type: Leak Action
Action Date: 8/14/1991
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 8/14/1991
Received Issue Date:
Action: Leak Reported

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Doc Link:						
Title Description Comments:						
53	1 of 1	SSW	0.15 / 797.97	891.84 / -18	Y&D RUBBER CO INC 1451 S CARLOS ST ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0010806
Owner Info: TRINIDAD YEPEZ
Mailing Care of:
Mailing Address 1: 1451 S CARLOS ST
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0018549
Status: ACTIVE
Program Element Code: 4244
Permit Desc: HAZARDOUS MATERIALS 11-30 CHEMICALS
To: 2/28/2022

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
54	1 of 1	ESE	0.15 / 816.97	890.58 / -19	ACCELERATE 360 2590 E LINDSAY PRIVADO ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0000945
Owner Info: ANC
Mailing Care of: JMEZA@ANC365.COM
Mailing Address 1: 2590 E. LINDSAY PRIVADO
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0001094
Status: ACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 1/31/2021

Permit ID: PT0024364
Status: INACTIVE
Program Element Code: 4270
Permit Desc: EPCRA FACILITY
To: 1/31/2014

Permit ID: PT0001095
Status: ACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 1/31/2021

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
55	1 of 2	SW	0.15 / 818.12	893.49 / -16	RELIABLE GRINDING 1441 S Balboa Ave Ontario CA 91761	SANBERN CUPA

Facility ID: FA0016125
Owner Info: Jesse Olasaba

Mailing Care of:	JESSE OLASABA
Mailing Address 1:	1441 Balboa Ave
Mailing Address 2:	
Mailing City:	Ontario
Mailing State:	CA
Mailing Zip:	91761

Detail(s)

Permit ID:	PT0034855
Status:	ACTIVE
Program Element Code:	4242
Permit Desc:	HAZARDOUS MATERIALS 1-3 CHEMICALS
To:	5/31/2022
Permit ID:	PT0034856
Status:	ACTIVE
Program Element Code:	4453
Permit Desc:	SMALL QUANTITY GENERATOR
To:	5/31/2022

55	***2 of 2***	***SW***	***0.15 / 818.12***	***893.49 / -16***	***RELIABLE GRINDING 1441 S BALBOA AVE ONTARIO CA 91761***	***RCRA NON GEN***

EPA Handler ID:	CAL000412464
Gen Status Universe:	No Report
Contact Name:	JESSE OLASABA
Contact Address:	6141 GOLD SPIRIT ST , , EASTVALE , CA, 92880 ,
Contact Phone No and Ext:	909-942-5762
Contact Email:	RELIABLEGRINDING@AOL.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20151119
Location Latitude:	34.047891
Location Longitude:	-117.608102

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20151119
Handler Name: RELIABLE GRINDING
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1441 S BALBOA AVE
Name:	RELIABLE GRINDING	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	951-288-6607	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	6141 GOLD SPIRIT ST
Name:	JESSE OLASABA	***Street 2:***	
Date Became Current:		***City:***	EASTVALE
Date Ended Current:		***State:***	CA
Phone:	909-942-5762	***Country:***	
Source Type:	Implementer	***Zip Code:***	92880

56 | ***1 of 1*** | ***ESE*** | ***0.16 / 826.47*** | ***890.45 / -19*** | ***TNG PROLOGIX***
2590 LINDSEY PRIVADO DR
ONTARIO CA 91761-3405 | ***RCRA NON GEN***

EPA Handler ID: CAL000407044
Gen Status Universe: No Report
Contact Name: JUAN MEZA
Contact Address: 2590 LINDSEY PRIVADO DR , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext: 909-321-7139
Contact Email: JMEZA@TNG.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20150519
Location Latitude: 34.046622
Location Longitude: -117.597546

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No

Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20150519
Handler Name: TNG PROLOGIX
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: JUAN MEZA
Date Became Current:
Date Ended Current:
Phone: 909-321-7139
Source Type: Implementer
Street No:
Street 1: 2590 LINDSEY PRIVADO DR
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761

Owner/Operator Ind: Current Owner
Type: Other
Name: TNG PROLOGIX
Date Became Current:
Date Ended Current:
Phone: 253-952-7150
Source Type: Implementer
Street No:
Street 1: 3995 70TH AVE E, STE B
Street 2:
City: FIFE
State: WA
Country:
Zip Code: 98424

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57 | ***1 of 3*** | ***SSW*** | ***0.16 / 852.36*** | ***891.18 / -18*** | ***GARY CARLETON***
1460 S CARLOS AVE
ONTARIO CA 91761-7655 | ***RCRA NON GEN***

EPA Handler ID: CAC003036955
Gen Status Universe: No Report
Contact Name: GARY CARLETON
Contact Address: 1460 S CARLOS AVE , , ONTARIO , CA, 91761-7655 ,
Contact Phone No and Ext: 562-781-9390
Contact Email: GARY.CARLETON@KONECRANES.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20191003
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No

Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20191003
Handler Name:	GARY CARLETON
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1460 S CARLOS AVE
Name:	KONECRANES DIEGO	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	562-781-9390	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761-7655

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1460 S CARLOS AVE
Name:	GARY CARLETON	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	562-781-9390	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761-7655

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
57	2 of 3	SSW	0.16 / 852.36	891.18 / -18	CINTAS CORPORATION NO 2 1460 S CARLOS AVE ONTARIO CA 91761	RCRA NON GEN

EPA Handler ID:	CAL000457372
Gen Status Universe:	No Report
Contact Name:	JUSTIN SUAREZ
Contact Address:	1460 S CARLOS AVE , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext:	858-395-4083
Contact Email:	SUAREZJ@CINTAS.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20201007
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No

Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20201007
Handler Name:	CINTAS CORPORATION NO 2
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1460 S CARLOS AVE
Name:	JUSTIN SUAREZ	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	858-395-4083	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	6800 CINTAS BLVD
Name:	CINTAS CORP NO 2	**Street 2:**	
Date Became Current:		**City:**	MASON
Date Ended Current:		**State:**	OH
Phone:	513-972-3969	**Country:**	
Source Type:	Implementer	**Zip Code:**	45040

57	3 of 3	SSW	0.16 / 852.36	891.18 / -18	**CINTAS** **1460 S CARLOS AVE** **ONTARIO CA 91761**	**SANBERN** **CUPA**

Facility ID:	FA0018680
Owner Info:	CINTAS CORPORATION
Mailing Care of:	SUAREZJ@CINTAS.COM
Mailing Address 1:	6800 CINTAS BLVD
Mailing Address 2:	
Mailing City:	MASON
Mailing State:	OH
Mailing Zip:	45040

Detail(s)

Permit ID:	PT0040329
Status:	ACTIVE
Program Element Code:	4400
Permit Desc:	HAZWASTE GENERAL ACTIVITY (NB)
To:	11/30/2020
Permit ID:	PT0040328
Status:	ACTIVE
Program Element Code:	4242
Permit Desc:	HAZARDOUS MATERIALS 1-3 CHEMICALS
To:	11/30/2020

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
58	1 of 1	SW	0.16 / 854.80	893.03 / -16	TOSHIBA MACHINE CO., AMERICA 1440 S BALBOA AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0010340
Owner Info: TOSHIBA MACHINE CO, AMERI
Mailing Care of:
Mailing Address 1: 1440 S. BALBOA AVE
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0017991
Status: INACTIVE
Program Element Code: 4420
Permit Desc: SPECIAL GENERATOR
To: 10/31/2010

Permit ID: PT0017554
Status: INACTIVE
Program Element Code: 4221
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 10/31/2011

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
59	1 of 2	WSW	0.17 / 875.65	896.00 / -13	OTTO INSTRUMENT SERVICE, INC. 1441 VALENCIA PL ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0005134
Owner Info: OTTO, W R AND DELMAN, RICHARD
Mailing Care of:
Mailing Address 1: 1441 VALENCIA PL
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761-7639

Detail(s)

Permit ID: PT0001289
Status: ACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 4/30/2022

Permit ID: PT0020439
Status: ACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 4/30/2022

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
59	2 of 2	WSW	0.17 / 875.65	896.00 / -13	OTTO INSTRUMENT SERVICE INC 1441 VALENCIA PL ONTARIO CA 91761-0000	RCRA NON GEN

EPA Handler ID: CAL000183288
Gen Status Universe: No Report
Contact Name: RAYMOND RIOS/EH&S MANAGER

Contact Address:	1441 VALENCIA AVE , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext:	909-527-0549
Contact Email:	RAYMOND.RIOS@OTTOINSTRUMENT.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20001026
Location Latitude:	34.04802
Location Longitude:	-117.609556

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20001026
Handler Name:	OTTO INSTRUMENT SERVICE INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1441 VALENCIA AVE
Name:	RAYMOND RIOS/EH&S MANAGER	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-527-0549	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1441 VALENCIA PL
Name:	OTTO INSTRUMENT SERVICE INC	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-930-5800	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761-0000

60	*1 of 1*	*WSW*	*0.17 / 907.19*	*895.53 / -14*	***SUPERIOR METAL SHAPES 1471 VALENCIA AVE***	***RCRA SQG***

EPA Handler ID:	CAD982445280
Gen Status Universe:	Small Quantity Generator
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	1471 VALENCIA AVE , , ONTARIO , CA, 91761 , US
Contact Phone No and Ext:	714-947-3455
Contact Email:	
Contact Country:	US
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	Other
Receive Date:	19910104
Location Latitude:	34.047533
Location Longitude:	-117.609542

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19910104
Handler Name:	SUPERIOR METAL SHAPES
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960402
Handler Name:	SUPERIOR METAL SHAPES
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator
Source Type:	Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	19990304
Handler Name:	SUPERIOR METAL SHAPES, INC.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20001012
Handler Name: SUPERIOR METAL SHAPES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: DAVID STOCKTON
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Notification
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Notification
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Historical Handler Details

Receive Dt: 20001012
Generator Code Description: Large Quantity Generator
Handler Name: SUPERIOR METAL SHAPES, INC.

Receive Dt: 19990304
Generator Code Description: Large Quantity Generator
Handler Name: SUPERIOR METAL SHAPES, INC.

Receive Dt: 19960402
Generator Code Description: Large Quantity Generator
Handler Name: SUPERIOR METAL SHAPES

61	1 of 3	SSW	0.17 / 916.43	888.49 / -21	HENDERSON MFG COMPANY INC 2041 ELM CT ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0003742
Owner Info: HENDERSON MFG COMPANY INC
Mailing Care of:
Mailing Address 1: 2041 ELM CT
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761-9176

Detail(s)

Permit ID: PT0008465
Status: INACTIVE
Program Element Code: 4221

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 8/31/2010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
61	2 of 3	SSW	0.17 / 916.43	888.49 / -21	WAGNER DIE SUPPLY 2041 ELM CT ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0003333
Owner Info: WAGNER DIE SUPPLY
Mailing Care of:
Mailing Address 1: 2041 ELM COURT
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0022732
Status: INACTIVE
Program Element Code: 4902
Permit Desc: WASTE-GENERATING RECYCLER (ONSITE)
To: 10/31/2016

Permit ID: PT0005693
Status: ACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 10/31/2021

Permit ID: PT0005692
Status: ACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 10/31/2021

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
61	3 of 3	SSW	0.17 / 916.43	888.49 / -21	FRANK WAGNER AND SON 2041 ELM CT ONTARIO CA 91761	RCRA SQG

EPA Handler ID: CAD983638644
Gen Status Universe: Small Quantity Generator
Contact Name: KNUTSON ELLSWORTH
Contact Address: 2041 ELM CT , , ONTARIO , CA, 91761 , US
Contact Phone No and Ext: 714-947-3044
Contact Email:
Contact Country: US
County Name: SAN BERNARDINO
EPA Region: 09
Land Type: Private
Receive Date: 19920320
Location Latitude: 34.04683
Location Longitude: -117.605004

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No

Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19920320
Handler Name:	FRANK WAGNER AND SON
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	2041 ELM CT
Name:	FRANK WAGNER AND SON	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	714-947-3044	**Country:**	
Source Type:	Notification	**Zip Code:**	91761

62	*1 of 1*	*WSW*	*0.17 / 919.88*	*898.96 / -10*	***VIVO POOLS*** ***1400 S VINEYARD AVE A*** ***ONTARIO CA 91761***	***SANBERN*** ***CUPA***

Facility ID:	FA0017329
Owner Info:	Willian Johnson
Mailing Care of:	
Mailing Address 1:	1400 S Vineyard Ave #A
Mailing Address 2:	
Mailing City:	Ontario
Mailing State:	CA
Mailing Zip:	91761

Detail(s)

Permit ID:	PT0036845
Status:	INACTIVE
Program Element Code:	4241
Permit Desc:	HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
To:	3/31/2021

63	*1 of 1*	*WSW*	*0.17 / 921.64*	*898.96 / -10*	***PUMPING SOLUTIONS INC*** ***1400 S VINEYARD AVE*** ***ONTARIO CA 91761***	***RCRA*** ***NON GEN***

EPA Handler ID:	CAL000374447
Gen Status Universe:	No Report
Contact Name:	MICHAEL WILKINSON
Contact Address:	1906 S QUAKER RIDGE PLACE , , ONTARIO , CA, 91761-0000 ,
Contact Phone No and Ext:	909-930-6600
Contact Email:	MICHAEL@APUMPSTORE.COM
Contact Country:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20120511
Location Latitude: 34.048482
Location Longitude: -117.610995

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20120511
Handler Name: PUMPING SOLUTIONS INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: MICHAEL WILKINSON
Date Became Current:
Date Ended Current:
Phone: 909-930-6600
Source Type: Implementer
Street No:
Street 1: 1906 S QUAKER RIDGE PLACE
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761-0000

Owner/Operator Ind: Current Owner
Type: Other
Name: PUMPING SOLUTIONS INC
Date Became Current:
Date Ended Current:
Phone: 909-930-6600
Source Type: Implementer
Street No:
Street 1: 1906 S. QUAKER RIDGE PLACE
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761

64	1 of 1	SE	0.18 / 950.80	884.20 / -25	AMERICAN NEWS COMPANY LLC 2590 E LINDSAY PRIVADO DR ONTARIO CA 91761	RCRA NON GEN

EPA Handler ID: CAL000449031
Gen Status Universe: No Report

Contact Name:	JUAN MEZA
Contact Address:	2590 E LINDSAY PRIVADO DR , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext:	909-321-7139
Contact Email:	JMEZA@TNG.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20190918
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190918
Handler Name:	AMERICAN NEWS COMPANY LLC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1955 LAKE PARK DR
Name:	AMERICAN NEWS COMPANY LLC	**Street 2:**	
Date Became Current:		**City:**	SMYRNA
Date Ended Current:		**State:**	GA
Phone:	770-863-9000	**Country:**	
Source Type:	Implementer	**Zip Code:**	30080
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2590 E LINDSAY PRIVADO DR
Name:	JUAN MEZA	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-321-7139	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
65	1 of 2	SSW	0.18 / 971.43	889.52 / -20	CORSON BUILT INC 1480 S CARLOS AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0014124
Owner Info: CORSON, KELLY
Mailing Care of: Kelly Corson
Mailing Address 1: 1480 S CARLOS AVE
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0033874
Status: INACTIVE
Program Element Code: 4241
Permit Desc: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
To: 12/31/2015

Permit ID: PT0025007
Status: INACTIVE
Program Element Code: 4452
Permit Desc: CONDITIONALLY EXEMPT SM QTY GENERATOR
To: 12/31/2015

Permit ID: PT0025008
Status: INACTIVE
Program Element Code: 4430
Permit Desc: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
To: 12/31/2012

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
65	2 of 2	SSW	0.18 / 971.43	889.52 / -20	EXECUTIVE SAFE & SECURITY CORP 1480 S CARLOS AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0008545
Owner Info: DENTON, SCOTT
Mailing Care of:
Mailing Address 1: 1480 SOUTH CARLOS AVE
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0014898
Status: INACTIVE
Program Element Code: 4430
Permit Desc: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
To: 5/31/2011

Permit ID: PT0014899
Status: INACTIVE
Program Element Code: 4221
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 5/31/2011

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
66	1 of 5	S	0.19 / 976.89	883.71 / -26	ARRAL INDUSTRIES INC 2101 CARRILLO PRIVADO ONTARIO CA 91761	RCRA SQG

EPA Handler ID:	CAD982361289
Gen Status Universe:	Small Quantity Generator
Contact Name:	
Contact Address:	US
Contact Phone No and Ext:	
Contact Email:	
Contact Country:	US
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	19960901
Location Latitude:	34.045413
Location Longitude:	-117.603487

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19890817
Handler Name:	ARRAL INDUSTRIES INC
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator
Source Type:	Notification

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960901
Handler Name:	ARRAL INDUSTRIES INC
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	LOUIS ARRANGA	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Source Type:	Notification	**Zip Code:**	99999
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999

Historical Handler Details

Receive Dt:	19890817
Generator Code Description:	Large Quantity Generator
Handler Name:	ARRAL INDUSTRIES INC

66	*2 of 5*	*S*	*0.19 / 976.89*	*883.71 / -26*	***ARRAL INDUSTRIES INC*** ***2101 CARRILLO PRIVADO ST*** ***ONTARIO CA 91761***	***SANBERN*** ***CUPA***

Facility ID:	FA0001114
Owner Info:	ARRANAGA, LOUIS A
Mailing Care of:	KIRK DAFFRON
Mailing Address 1:	2101 CARRILLO PRIVADO ST
Mailing Address 2:	
Mailing City:	ONTARIO
Mailing State:	CA
Mailing Zip:	91761-0000

Detail(s)

Permit ID:	PT0001370
Status:	INACTIVE
Program Element Code:	4204
Permit Desc:	HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)
To:	7/31/2003

Permit ID:	PT0001371
Status:	INACTIVE
Program Element Code:	4412
Permit Desc:	HAZARDOUS WASTE GENERATOR - 26-50 EMPLOYEES
To:	7/31/2003

66	*3 of 5*	*S*	*0.19 / 976.89*	*883.71 / -26*	***SIGN INDUSTIRES INC*** ***2101 CARRILLO PRIVADO*** ***ONTARIO CA 91761***	***SANBERN*** ***CUPA***

Facility ID:	FA0012612
Owner Info:	SAAVEDRA, MARIA
Mailing Care of:	
Mailing Address 1:	2101 CARRILLO PRIVADO
Mailing Address 2:	
Mailing City:	ONTARIO
Mailing State:	CA
Mailing Zip:	91761

Detail(s)

Permit ID:	PT0022129
Status:	ACTIVE
Program Element Code:	4453
Permit Desc:	SMALL QUANTITY GENERATOR
To:	8/31/2021

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit ID: PT0022128
Status: ACTIVE
Program Element Code: 4244
Permit Desc: HAZARDOUS MATERIALS 11-30 CHEMICALS
To: 8/31/2021

66	4 of 5	S	0.19 / 976.89	883.71 / -26	SIGN INDUSTRIES INC 2101 CARRILLO PRIVADO ONTARIO CA 91761	EMISSIONS

2004 Criteria Data

Facility ID:	142326	**CERR Code:**	
Facility SIC Code:	3479	**TOGT:**	.1811
CO:	36	**ROGT:**	.1793818
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	
COID:	SBD	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	.00556
CHAPIS:		**PM10T:**	.0053376

2004 Toxic Data

Facility ID:	142326	**COID:**	SBD
Facility SIC Code:	3479	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Toxic Data

Facility ID:	142326	**COID:**	SBD
Facility SIC Code:	9999	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Toxic Data

Facility ID:	142326	**TS:**	
Facility SIC Code:	9999	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	SBD	**AH Index:**	
CO:	36	**Air Basin:**	SC
DISN:	SOUTH COAST AQMD	**District:**	SC
CHAPIS:			

2018 Criteria Data

Facility ID:	142326	**CERR Code:**	
Facility SIC Code:	3993	**TOGT:**	. 2436248248527307454739867280959474669301

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CO:	36	**ROGT:**	.24045026
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	
COID:	SBD	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	.022586415
CHAPIS:		**PM10T:**	.0216829584

2018 Toxic Data

Facility ID:	142326	**COID:**	SBD
Facility SIC Code:	3993	**DISN:**	SOUTH COAST AQMD
CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
Facility ID:	142326	**ROGT:**	.25204921265
District:	SC	**COT:**	
Facility SIC Code:	3993	**NOXT:**	
CO ID:	SBD	**SOXT:**	
DISN:	SOUTH COAST AQMD		
PM10T:	.0231796896		
TOGT:	.255346334088822509410311775259520708713 7		
PMT:	.02414551		

2019 Toxic Data

CO:	36	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
Faccility ID:	142326	**TS:**	
District:	SC	**Health Risk Asmt:**	
Facility SIC Code:	3993	**NonCncrChrnicHazInd :**	
COID:	SBD	**NonCncrActeHazInd:**	
DISN:	SOUTH COAST AQMD		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
66	5 of 5	S	0.19 / 976.89	883.71 / -26	SIGN INDUSTRIES INC 2101 CARRILLO PRIVADO ONTARIO CA 91761	RCRA NON GEN

EPA Handler ID:	CAL000317858
Gen Status Universe:	No Report
Contact Name:	MAYRA DASILVA
Contact Address:	2101 CARRILLO PRIVADO , , ONTARIO , CA, 95050 ,
Contact Phone No and Ext:	909-930-0303
Contact Email:	MAYRA@SIGNINDUSTRIES.TV
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20070323
Location Latitude:	34.045413
Location Longitude:	-117.603487

Violation/Evaluation Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20070323
Handler Name:	SIGN INDUSTRIES INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	2101 CARRILLO PRIVADO
Name:	ENRIQUE SAAVEDRA	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-930-0303	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761-0000
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2101 CARRILLO PRIVADO
Name:	MAYRA DASILVA	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-930-0303	**Country:**	
Source Type:	Implementer	**Zip Code:**	95050

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67 | ***1 of 1*** | ***SSW*** | ***0.19 / 979.38*** | ***888.50 / -21*** | ***UST DRY UTILITIES INC***
2001 ELM CT
ONTARIO CA 91761 | ***DRYCLEANERS***

EPA ID:	CAC002633710	**Owner City:**	ONTARIO
Create Date:	8/14/2008 9:37:36 AM	**Owner State:**	CA
Facility Act Ind:	No	**Owner Zip:**	91761
Inact Date:	2/11/2009	**Owner Phone:**	8008189777
Reason:	Dry	**Owner Fax:**	
Region Code:	4	**Contact Name:**	JUSTIN GRIFFITH
DD Latitude:	34.046972	**Contact Street 1:**	2001 ELM CT
DD Longitude:	-117.607257	**Contact Street 2:**	
Facility County Code:	36	**Contact City:**	ONTARIO
Mail Name:		**Contact State:**	CA
Owner Name:	UST DRY UTILITIES INC	**Contact Zip:**	91761
Owner Street 1:	2001 ELM CT	**Contact Phone:**	6262051130
Owner Street 2:		**Contact Fax:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
68	1 of 1	WSW	0.19 / 992.34	899.78 / -10	BOMATIC, INC. 1841 E. ACACIA STREET ONTARIO CA	HIST TANK

Owner Name: BOMATIC, INC.
Owner Street: 1841 E. ACACIA STREET
Owner City: ONTARIO
Owner State: CA
Owner Zip: 91761
No of Containers: 1
County: SAN BERNARDINO
Facility State: CA
Facility Zip: 91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
69	1 of 4	WSW	0.19 / 995.60	899.78 / -10	BOMATIC INC 1841 E ACACIA ST ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0001533
Owner Info: KJELD HESTEHAVE
Mailing Care of:
Mailing Address 1: 1841 E ACACIA ST
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761-9176

Detail(s)

Permit ID: PT0002107
Status: INACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 5/31/2018

Permit ID: PT0002109
Status: INACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 5/31/2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
69	2 of 4	WSW	0.19 / 995.60	899.78 / -10	BOMATIC INC 1841 E. ACACIA STREET ONTARIO CA 91761	HHSS

County: San Bernardino
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029a52.pdf

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
69	3 of 4	WSW	0.19 / 995.60	899.78 / -10	BOMATIC INC 1841 E ACACIA ST ONTARIO CA 91761-0000	RCRA NON GEN

EPA Handler ID: CAL000093525
Gen Status Universe: No Report
Contact Name: KRESTEN HESTEHAVE
Contact Address: 43225 BUSINESS PARK DR. , , TEMECULA , CA, 92590-0000 ,
Contact Phone No and Ext: 951-699-4400
Contact Email: WENDY@BOMATIC.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 19941228
Location Latitude: 34.049196
Location Longitude: -117.611411

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19941228
Handler Name:	BOMATIC INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	43225 BUSINESS PARK DR
Name:	BOMATIC INC	***Street 2:***	
Date Became Current:		***City:***	TEMECULA
Date Ended Current:		***State:***	CA
Phone:	951-699-4400	***Country:***	
Source Type:	Implementer	***Zip Code:***	92590-0000

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	43225 BUSINESS PARK DR.
Name:	KRESTEN HESTEHAVE	***Street 2:***	
Date Became Current:		***City:***	TEMECULA
Date Ended Current:		***State:***	CA
Phone:	951-699-4400	***Country:***	
Source Type:	Implementer	***Zip Code:***	92590-0000

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69 ***4 of 4*** ***WSW*** ***0.19 / 995.60*** ***899.78 / -10*** ***BOMATIC, INC. 1841 E ACACIA ST ONTARIO CA*** ***UST SWEEPS***

C C:	I36-000-2190	***D Filename:***	NSITE1
BOE:	44-019836	***Page No:***	145
Comp:	2190	***County:***	SAN BERNARDINO
Status:	INACTIVE	***State :***	CA
No of Tanks:	1	***Zip:***	91761
Jurisdict:	SAN BERNARDINO COUNTY	***Latitude:***	34.048395
Agency:	ENVIRONMENTAL HEALTH - U.S.T.	***Longitude:***	-117.612203
Phone:	(714) 947-3900	***Georesult:***	S5HPNTSCZA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Details

Tank ID:	000001	***S Contain:***	NONE
O Tank ID:		***Stg:***	
SWRCB No:	36-000-002190-000001	***Storage :***	PRODUCT
Removed:	01-23-93	***Storag Type:***	PRODUCT
Installed:	01-01-01	***P Contain:***	BARE STEEL
A Date:		***Content:***	DIESEL
Capac:	4000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	NTANK1

70	*1 of 2*	*SW*	*0.19 / 998.94*	*891.21 / -18*	***WATSON'S PROFILING CORP*** ***1460 S BALBOA AVE*** ***ONTARIO CA 91761***	***SANBERN*** ***CUPA***

Facility ID:	FA0008536
Owner Info:	JIM WATSON
Mailing Care of:	
Mailing Address 1:	1460 SOUTH BALBOA AVE
Mailing Address 2:	
Mailing City:	ONTARIO
Mailing State:	CA
Mailing Zip:	91761

Detail(s)

Permit ID:	PT0014835
Status:	ACTIVE
Program Element Code:	4242
Permit Desc:	HAZARDOUS MATERIALS 1-3 CHEMICALS
To:	5/31/2022
Permit ID:	PT0014834
Status:	ACTIVE
Program Element Code:	4452
Permit Desc:	CONDITIONALLY EXEMPT SM QTY GENERATOR
To:	5/31/2022

70	*2 of 2*	*SW*	*0.19 / 998.94*	*891.21 / -18*	***WATSON'S PROFILING CORP*** ***1460 S BALBOA AVE*** ***ONTARIO CA 91761-7609***	***RCRA*** ***NON GEN***

EPA Handler ID:	CAL000315044
Gen Status Universe:	No Report
Contact Name:	STEVE WATSON
Contact Address:	1460 S BALBOA AVE , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext:	909-923-5500
Contact Email:	AMANDA@WATSONSPROFILING.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20070105
Location Latitude:	34.047387
Location Longitude:	-117.608157

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20070105
Handler Name:	WATSON'S PROFILING CORP
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1460 S BALBOA AVE
Name:	STEVE WATSON	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	909-923-5500	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1460 S BALBOA AVE
Name:	JIM WATSON	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	909-923-5500	***Country:***	
Source Type:	Implementer	***Zip Code:***	91760-0000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
71	1 of 1	SW	0.20 / 1,029.68	893.84 / -16	ICG COMMUNICATIONS 1471 VALENCIA PL ONTARIO CA 91761	SANBERN CUPA

Facility ID:	FA0007470
Owner Info:	ICG COMMUNICATIONS
Mailing Care of:	CF PITCHFORD, CPP,CFL
Mailing Address 1:	161 INVERNESS DRIVE WEST
Mailing Address 2:	
Mailing City:	ENGLEWOOD
Mailing State:	CO
Mailing Zip:	80112

Detail(s)

Permit ID:	PT0012710
Status:	INACTIVE
Program Element Code:	4002
Permit Desc:	ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)
To:	10/31/2005

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit ID: PT0012709
Status: INACTIVE
Program Element Code: 4221
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 10/31/2005

72	1 of 1	SSW	0.20 / 1,071.95	888.02 / -21	TESLA, INC. 1980 ELM CT. ONTARIO CA 91761	RCRA NON GEN

EPA Handler ID: CAC002986080
Gen Status Universe: No Report
Contact Name: ANDREW CLAKELEY
Contact Address: ELECTRIC AVE , , SPARKS , NV, 89434 ,
Contact Phone No and Ext: 707-843-6729
Contact Email: ACLAKELEY@TESLA.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20181023
Location Latitude: 34.046805
Location Longitude: -117.606472

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20181023
Handler Name: TESLA, INC.
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: ANDREW CLAKELEY
Date Became Current:
Date Ended Current:
Street No:
Street 1: ELECTRIC AVE
Street 2:
City: SPARKS
State: NV

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone:	707-843-6729	**Country:**	
Source Type:	Implementer	**Zip Code:**	89434
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	3500 DEER CREEK
Name:	TESLA INC.	**Street 2:**	
Date Became Current:		**City:**	PALO ALTO
Date Ended Current:		**State:**	CA
Phone:	650-681-5100	**Country:**	
Source Type:	Implementer	**Zip Code:**	94303

73	1 of 1	ESE	0.20 / 1,076.45	889.83 / -20	MICRODYNE PLASTICS INC 2611 LINDSAY PRIVADO ONTARIO CA 91761	RCRA SQG

EPA Handler ID:	CAR000034231
Gen Status Universe:	Small Quantity Generator
Contact Name:	MARY LANKFORD
Contact Address:	4651 E AIRPORT DR , , ONTARIO , CA, 91761 , US
Contact Phone No and Ext:	909-390-0880
Contact Email:	
Contact Country:	US
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	Private
Receive Date:	19971201
Location Latitude:	34.047573
Location Longitude:	-117.596678

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19971201
Handler Name:	MICRODYNE PLASTICS INC
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: MICRODYNE PLASTICS INC
Date Became Current:
Date Ended Current:
Phone: 909-390-0880
Source Type: Notification

Street No:
Street 1: 4651 E AIRPORT DR
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761

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74 | **1 of 1** | **WSW** | **0.20 / 1,079.21** | **896.90 / -13** | **PUMPING SOLUTIONS 1400 A VINEYARD AVE ONTARIO CA 91761** | **RCRA SQG**

EPA Handler ID: CAR000091629
Gen Status Universe: Small Quantity Generator
Contact Name: BARBARA HOBBS
Contact Address: 1400 A VINEYARD AVE , , ONTARIO , CA, 91761 , US
Contact Phone No and Ext: 909-930-6600
Contact Email:
Contact Country: US
County Name: SAN BERNARDINO
EPA Region: 09
Land Type: Private
Receive Date: 20010209
Location Latitude: 34.048482
Location Longitude: -117.610995

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20010209
Handler Name: PUMPING SOLUTIONS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: BART BOOKHAMER
Date Became Current:
Date Ended Current:
Phone: 909-930-6600
Source Type: Notification

Street No:
Street 1: 1400 A VINEYARD AVE
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
75	1 of 2	SSW	0.21 / 1,089.66	888.13 / -21	Alpha Surplus, Inc 1980 E Elm St Ontario CA 91761	SANBERN CUPA

Facility ID: FA0015726
Owner Info: Hsing Hua Cheng
Mailing Care of:
Mailing Address 1: 1980 Elm St
Mailing Address 2:
Mailing City: Ontario
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0034323
Status: INACTIVE
Program Element Code: 5425
Permit Desc: UW HANDLER SPECIAL
To: 1/31/2018

Permit ID: PT0038502
Status: ACTIVE
Program Element Code: 4241
Permit Desc: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
To: 1/31/2022

Permit ID: PT0038111
Status: ACTIVE
Program Element Code: 5415
Permit Desc: UW HANDLER WITH ANOTHER CUPA PERMIT
To: 1/31/2022

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
75	2 of 2	SSW	0.21 / 1,089.66	888.13 / -21	ALPHA SURPLUS INC 1980 E ELM ST ONTARIO CA 91761-7610	RCRA NON GEN

EPA Handler ID: CAL000386346
Gen Status Universe: No Report
Contact Name: JASON YU
Contact Address: 1980 E ELM ST , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext: 909-930-1177
Contact Email: JASON@ALPHASURPLUS.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:

Receive Date:	20130618
Location Latitude:	34.046805
Location Longitude:	-117.606964

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20130618
Handler Name:	ALPHA SURPLUS INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1980 E ELM ST
Name:	HSING-HUA CHENG	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-930-1177	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761-7610

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1980 E ELM ST
Name:	JASON YU	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-930-1177	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
76	1 of 1	WSW	0.21 / 1,108.13	896.29 / -13	MASTER FAB INC 1440 S VINEYARD AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID:	FA0004607
Owner Info:	MASTER FAB INC
Mailing Care of:	KEN
Mailing Address 1:	1440 SOUTH VINEYARD AVE
Mailing Address 2:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0007532
Status: INACTIVE
Program Element Code: 4210
Permit Desc: SPECIAL HANDLER
To: 5/31/2003

Permit ID: PT0007531
Status: INACTIVE
Program Element Code: 4420
Permit Desc: SPECIAL GENERATOR
To: 5/31/2003

77	1 of 1	WSW	0.21 / 1,117.71	896.29 / -13	MASTER FAB INC 1440 S VINEYARD ONTARIO CA 91761	RCRA SQG

EPA Handler ID: CAR000080192
Gen Status Universe: Small Quantity Generator
Contact Name: CARY MC NULTY
Contact Address: 1440 S VINEYARD , , ONTARIO , CA, 91761 , US
Contact Phone No and Ext: 909-923-7151
Contact Email:
Contact Country: US
County Name: SAN BERNARDINO
EPA Region: 09
Land Type: Private
Receive Date: 20000810
Location Latitude: 34.047864
Location Longitude: -117.611865

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20000810

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Name: MASTER FAB INC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: MASTER FAB INC
Date Became Current:
Date Ended Current:
Phone: 909-923-7151
Source Type: Notification
Street No:
Street 1: 1440 S VINEYARD
Street 2:
City: ONTARIO
State: CA
Country:
Zip Code: 91761

78	1 of 1	SW	0.21 / 1,118.76	890.16 / -19	SOUP BASES LOADED, INC. 1480 S BALBOA AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0010562
Owner Info: ALAN PORTNEY
Mailing Care of:
Mailing Address 1: 1481 S BALBOA AVE
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0017948
Status: INACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 9/30/2017

79	1 of 2	S	0.21 / 1,132.26	881.64 / -28	HARDWARE SPECIALTIES 2041 LOCUST CT ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0010498
Owner Info: HARDWARE SPECIALTIES
Mailing Care of: STEVE SALDANA
Mailing Address 1: 2041 LOCUST CT
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0017857
Status: INACTIVE
Program Element Code: 4221
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 8/31/2013

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
79	2 of 2	S	0.21 / 1,132.26	881.64 / -28	AFFILIATED STEEL & TUBE 2041 LOCUST CT ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0008387
Owner Info: AFFILIATED STEEL & TUBE
Mailing Care of:
Mailing Address 1: 2041 LOCUST CT
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0014646
Status: INACTIVE
Program Element Code: 4221
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 5/31/2006

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
80	1 of 1	SW	0.22 / 1,149.55	889.17 / -20	TOSHIBA MACHINE CO, AMERI 1481 S BALBOA AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0006753
Owner Info: TOSHIBA MACHINE CO, AMERI
Mailing Care of:
Mailing Address 1: 1481 S BALBOA AVE
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0007954
Status: INACTIVE
Program Element Code: 4221
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 5/31/2006

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
81	1 of 1	WSW	0.22 / 1,158.49	896.56 / -13	MONARC INDUSTRIES 1420 S VINEYARD AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0004812
Owner Info: HAYDEN, KENT
Mailing Care of:
Mailing Address 1: 1420 S VINEYARD AVE
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761-2554

Detail(s)

Permit ID: PT0009608
Status: INACTIVE
Program Element Code: 4420
Permit Desc: SPECIAL GENERATOR
To: 8/31/2013

Permit ID: PT0009607

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: ACTIVE
Program Element Code: 4241
Permit Desc: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
To: 8/31/2021

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
82	1 of 8	SW	0.22 / 1,184.32	893.33 / -16	METRIC MACHINING 1425 S VINEYARD AVE ONTARIO CA 91761	RCRA SQG

EPA Handler ID: CAR000161240
Gen Status Universe: Small Quantity Generator
Contact Name: WILLIAM E STAHLKE
Contact Address: 1425 S VINEYARD AVE , , ONTARIO , CA, 91761 , US
Contact Phone No and Ext: 909-947-9222 235
Contact Email:
Contact Country: US
County Name: SAN BERNARDINO
EPA Region: 09
Land Type: Private
Receive Date: 20050311
Location Latitude: 34.047279
Location Longitude: -117.610151

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20050311
Handler Name: METRIC MACHINING
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: METRIC MACHINING
Date Became Current: 19910701
Date Ended Current:
Phone:
Source Type: Notification

Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Owner/Operator Ind: Current Owner
Type: Private
Name: RICHARD R PARKER
Date Became Current: 19910701
Date Ended Current:
Phone:
Source Type: Notification

Street No:
Street 1: 3310 W WILO AVIARY PL
Street 2:
City: TUCSON
State: AZ
Country: US
Zip Code: 85745

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
82	2 of 8	SW	0.22 / 1,184.32	893.33 / -16	METRIC MACHINING 1425 S VINEYARD AVE ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0003488
Owner Info: METRIC MACHINING
Mailing Care of:
Mailing Address 1: 1425 SOUTH VINEYARD AVE
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0014357
Status: INACTIVE
Program Element Code: 4031
Permit Desc: APSA 1,320-10,000 GAL FAC CAPACITY
To: 9/30/2017

Permit ID: PT0002799
Status: INACTIVE
Program Element Code: 4454
Permit Desc: LARGE QUANTITY GENERATOR
To: 9/30/2017

Permit ID: PT0002798
Status: INACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 9/30/2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
82	3 of 8	SW	0.22 / 1,184.32	893.33 / -16	METRIC MACHINING 1425 S. VINEYARD AVE ONTARIO CA 91761	AST

Total Capacity(Gal): 4,685
CUPA: San Bernardino

Owner Name: METRIC MACHINING
County: San Bernardino

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
82	4 of 8	SW	0.22 / 1,184.32	893.33 / -16	GOE ENGINEERING 1425 S VINEYARD ONTARIO CA 91761	EMISSIONS

1990 Criteria Data

Facility ID:	56399	***CERR Code:***	
Facility SIC Code:	3451	***TOGT:***	2.7
CO:	36	***ROGT:***	0
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	
COID:	SBD	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1990 Toxic Data

Facility ID:	56399	***COID:***	SBD
Facility SIC Code:	3451	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
82	5 of 8	SW	0.22 / 1,184.32	893.33 / -16	GOE ENGINEERING CO INC 1425 S VINEYARD ONTARIO CA 91761	EMISSIONS

1987 Criteria Data

Facility ID:	56399	***CERR Code:***	
Facility SIC Code:	3451	***TOGT:***	36
CO:	36	***ROGT:***	29
Air Basin:	SC	***COT:***	0
District:	SC	***NOXT:***	0
COID:	SBD	***SOXT:***	0
DISN:	SOUTH COAST AQMD	***PMT:***	2.8
CHAPIS:		***PM10T:***	2.8

1987 Toxic Data

Facility ID:	56399	***COID:***	SBD
Facility SIC Code:	3451	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1996 Toxic Data

Facility ID:	56399	***COID:***	SBD
Facility SIC Code:	3451	***DISN:***	SOUTH COAST AQMD
CO:	36	***CHAPIS:***	

Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CERR Code:

1997 Toxic Data

Facility ID: 56399
Facility SIC Code: 3451
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

1998 Toxic Data

Facility ID: 56399
Facility SIC Code: 3451
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

1999 Toxic Data

Facility ID: 56399
Facility SIC Code: 3451
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2000 Toxic Data

Facility ID: 56399
Facility SIC Code: 3451
CO: 36
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2001 Toxic Data

Facility ID: 56399
Facility SIC Code: 3451
CO: 36
Air Basin: SC
District: SC
TS:
COID: SBD
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
82	6 of 8	SW	0.22 / 1,184.32	893.33 / -16	1425 S. VINEYARD AVENUE 1425 S. VINEYARD AVENUE ONTARIO CA 91761	ENVIROSTOR

Estor/EPA ID: 60002476
Site Code: 401776
Nat Priority List: NO
APN: 0113-394-050-0000, 011339405
Census Tract: 6071001803
Site Type: VOLUNTARY CLEANUP
Address Description: 1425 S. VINEYARD AVENUE
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Special Program: VOLUNTARY CLEANUP PROGRAM
Funding: SITE PROPONENT
Assembly District: , 52
Senate District: , 20
Permit Renewal Lead:
Public Partici Spclst:
Project Manager: ANGELA TURNER
County: SAN BERNARDINO
Latitude: 34.047285161936
Longitude: -117.610448660049
Acres: 2.11 ACRES
Supervisor: EMAD YEMUT
Cleanup Status: ACTIVE AS OF 8/22/2018
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District:
Past Use that Caused Contam: METAL FINISHING
Potential Media Affected: SOIL VAPOR
Potential Contamin of Concern:

TETRACHLOROETHYLENE (PCE)

Site History:

The subject property was agricultural land from 1938 to 1985. From 1988 to 2015 the property use involved industrial/manufacturing, including metal cutting, grinding, drilling, assembly, welding and additional metalwork operations. This site was identified as generating hazardous waste including liquids with lead, other organic solids, unspecified oil-containing waste, waste and mixed oil, hydrocarbon solvents and tetrachloroethene (PCE). Currently the property consists of a vacant concrete tilt-up building and parking lot. The surrounding land use is industrial/manufacturing.

Status: ACTIVE
A2 Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002476

Future Activities

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Due Date: 2022

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Due Date: 2024

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Due Date: 2024

Completed Activities

Title: Correspondence re planned scope of work for SSI workplan
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 4/15/2019
Comments: DTSC waiting for RP to provide figure with AOCs and schedule a meeting to discuss scope for additional assessment

Title: Application for Voluntary Cleanup Agreement
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&doc_id=60449878
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Application
Date Completed: 8/22/2018
Comments: VCA Application received.

Title: FY 19/20 Annual Oversight Cost Estimate
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&enforcement_id=60471832
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 11/14/2019
Comments:

Title: Site Characterization Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&doc_id=60457046
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 9/9/2020
Comments:

Title: Voluntary Cleanup Agreement
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&enforcement_id=60450433
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Standard Voluntary Agreement
Date Completed: 9/26/2018
Comments: Fully Executed VCA. Advance Payment of $18,298 received by DTSC.

Title: Site Characterization Workplan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&doc_id=60457044
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 1/3/2020
Comments: .completed.

Title: Hist Documents - PEA Equivalent
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&doc_id=60453354
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 1/14/2019

Comments:

Title: FY 20/21 Annual Oversight Cost Estimate
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&enforcement_id=60484692
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/3/2020
Comments: Annual Oversight Cost Estimate completed.

Title: Implementation Site Charact WKplan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&doc_id=60464473
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 4/1/2020
Comments: RP recommends step out sampling before submission of final site assessment report. DTSC concurs. Deadlines to be extended to accommodate additional field effort. ajdt

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82	7 of 8	SW	0.22 / 1,184.32	893.33 / -16	**1425 S. VINEYARD AVENUE** **1425 S. VINEYARD AVENUE** **ONTARIO CA 91761**	VCP

Estor/EPA ID: 60002476
Site Code: 401776
Nat Priority List: NO
Acres: 2.11 ACRES
Special Program: VOLUNTARY CLEANUP PROGRAM
Funding: SITE PROPONENT
Assembly District: , 52
Senate District: , 20
School District:
Permit Renewal Lead:
Project Manager: ANGELA TURNER
Supervisor: EMAD YEMUT
Public Partici Spclst:
Census Tract: 6071001803
County: SAN BERNARDINO
Latitude: 34.047285161936
Longitude: -117.610448660049
APN: 0113-394-050-0000, 011339405
Cleanup Status: ACTIVE AS OF 8/22/2018
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: VOLUNTARY CLEANUP
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Past Use that Caused Contam: METAL FINISHING
Potential Media Affected: SOIL VAPOR
Potential Contamin of Concern:

TETRACHLOROETHYLENE (PCE)

Site History:

The subject property was agricultural land from 1938 to 1985. From 1988 to 2015 the property use involved industrial/manufacturing, including metal cutting, grinding, drilling, assembly, welding and additional metalwork operations. This site was identified as generating hazardous waste including liquids with lead, other organic solids, unspecified oil-containing waste, waste and mixed oil, hydrocarbon solvents and tetrachloroethene (PCE). Currently the property consists of a vacant concrete tilt-up building and parking lot. The surrounding land use is industrial/manufacturing.

Status: ACTIVE
Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002476

Future Activities

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Due Date: 2024

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Due Date: 2022

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Due Date: 2024

Completed Activities

Title: Hist Documents - PEA Equivalent
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&doc_id=60453354
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 1/14/2019
Comments:

Title: Site Characterization Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&doc_id=60457046
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 9/9/2020
Comments:

Title: Voluntary Cleanup Agreement
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&enforcement_id=60450433
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Standard Voluntary Agreement
Date Completed: 9/26/2018
Comments: Fully Executed VCA. Advance Payment of $18,298 received by DTSC.

Title: FY 20/21 Annual Oversight Cost Estimate
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&enforcement_id=60484692
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/3/2020
Comments: Annual Oversight Cost Estimate completed.

Title: Implementation Site Charact WKplan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&doc_id=60464473
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 4/1/2020
Comments: RP recommends step out sampling before submission of final site assessment report. DTSC concurs. Deadlines to be extended to accommodate additional field effort. ajdt

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: Correspondence re planned scope of work for SSI workplan
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 4/15/2019
Comments: DTSC waiting for RP to provide figure with AOCs and schedule a meeting to discuss scope for additional assessment

Title: FY 19/20 Annual Oversight Cost Estimate
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&enforcement_id=60471832
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 11/14/2019
Comments:

Title: Site Characterization Workplan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&doc_id=60457044
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 1/3/2020
Comments: .completed.

Title: Application for Voluntary Cleanup Agreement
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002476&doc_id=60449878
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Application
Date Completed: 8/22/2018
Comments: VCA Application received.

82	8 of 8	SW	0.22 / 1,184.32	893.33 / -16	7 DAZE LLC 1425 S VINEYARD AVE ONTARIO CA 91761	RCRA NON GEN

EPA Handler ID: CAL000451299
Gen Status Universe: No Report
Contact Name: WILSON LAM
Contact Address: 1425 S VINEYARD AVE , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext: 818-335-5149
Contact Email: WILSON@7DAZEMFG.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20191213
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20191213
Handler Name:	7 DAZE LLC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1425 S VINEYARD AVE
Name:	WILSON LAM	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	818-335-5149	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1425 S VINEYARD AVE
Name:	JOHN LAU	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	626-927-6383	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
83	1 of 1	WSW	0.23 / 1,222.04	894.86 / -15	COMPU-METAL,INC 1480 S. VINEYARD AVE. ONTARIO CA 91761	RCRA NON GEN

EPA Handler ID:	CAC002974549
Gen Status Universe:	No Report
Contact Name:	ANDREW PROVAN
Contact Address:	1480 S. VINEYARD AVE , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext:	909-923-5787
Contact Email:	SALES@COMPU-METAL.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20180807
Location Latitude:	34.047468
Location Longitude:	-117.610967

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20180807
Handler Name:	COMPU-METAL,INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1480 S. VINEYARD AVE.
Name:	COMPU-METAL,INC LAKE DISTRIBUTORS INCORPORATED	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	909-923-5787	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1480 S. VINEYARD AVE
Name:	ANDREW PROVAN	***Street 2:***	
Date Became Current:		***City:***	ONTARIO
Date Ended Current:		***State:***	CA
Phone:	909-923-5787	***Country:***	
Source Type:	Implementer	***Zip Code:***	91761

84 ***1 of 3*** ***NNW*** ***0.23 / 1,230.11*** ***934.73 / 25*** ***GE ENGINE SERVICES INC***
1923 E. AVION PLACE
ONTARIO CA 917610000
ENVIROSTOR

Estor/EPA ID:	80001638	***Assembly District:***	52
Site Code:	400359	***Senate District:***	20
Nat Priority List:	NO	***Permit Renewal Lead:***	
APN:	NONE SPECIFIED	***Public Partici Spclst:***	
Census Tract:	6071001600	***Project Manager:***	KATHERINE GOULD
Site Type:	CORRECTIVE ACTION	***County:***	SAN BERNARDINO
Address Description:	1923 E. AVION PLACE	***Latitude:***	34.056958
Office:	CLEANUP CYPRESS	***Longitude:***	-117.606995
Special Program:		***Acres:***	3 ACRES
Funding:		***Supervisor:***	JOHN SCANDURA
Cleanup Status:	INACTIVE - NEEDS EVALUATION AS OF 3/20/2013		
Cleanup Oversight Agencies:	DTSC - SITE CLEANUP PROGRAM		
School District:			
Past Use that Caused Contam:	AEROSPACE ROCKET TESTING/LAUNCH, JET FUEL STORAGE/REFUELING		

Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Site History:

The site is a test facility for commercial and military jet engines that has operated from 1956 to the present. About 6,000 gallons of hazardous waste were disposed of in dry wells. There is an estimated 600 cubic yards of waste and contaminated soil on the site. Results of a preliminary investigation in 1987 indicated the presence of 1,1,1-trichloroethane (TCA), tetrachloroethene (PCE), chloroform, naphthalene, 2-methylnaph- thalene, and volatile aromatic (xylene, toluene, ethylbenzene) in soils near the dry wells. Hazardous substances disposed of in dry wells may potentially enter groundwater and contaminate drinking water supplies. The workers on the facility may be exposed to volatile organic compounds if contaminated subsurface soils are excavated or disturbed. General Electric performed preliminary assessment soil sampling in 1984 and 1987 to identify contaminated areas on the facility. A Consent Order between General Electric and DHS was signed September 28, 1988, for both groundwater and soil remediation. A Remedial Investigation / Feasibility Study was done in 1993 to fully characterize the site. DTSC approved the final Remedial Action Plan on September 16, 1994. System operation of the vapor extraction treatment systems in areas A, B and C began on May 17, 1996. An Enforceable Agreement for Operation and Maintenance was signed by DTSC and GE on August 28, 1998. Quarterly reports on the status of operation have been submitted to DTSC since commencing remediation. Concentrations of VOCs in shallow soils in areas A, B, and C at the site have reached acceptable closure levels. The shallow extraction wells in areas A, B, and C will be maintained in operational condition until sufficient data can be obtained to evaluate rebound data.

Potential Contamin of Concern:

VOLATILE ORGANICS (8260B VOCS)

Status: INACTIVE - NEEDS EVALUATION
A2 Program Type: CORRECTIVE ACTION
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001638

Completed Activities

Title: CORRECTIVE MEASURES DESIGN APPROVED (CA450)
Title Link:
Area Name:
Area Link:
Sub Area: SOILS
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001638&site_id=2008804
Document Type: Design/Implementation Workplan
Date Completed: 1/10/1996
Comments: Remedial Design approved. Groundwater investigation and remediation will be conducted by the RWQCB.

Title: STABILIZATION MEASURES IMPLEMENTED-PRIMARY MEAS IS SOURCE REMOVL &/OR TRT (CA600SR)
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Interim Measures Workplan
Date Completed: 8/1/1994
Comments:

Title: RFI REPORT APPROVED (CA200)
Title Link:
Area Name:
Area Link:
Sub Area: SOILS
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001638&site_id=2008804
Document Type: RFI Report
Date Completed: 6/1/1990
Comments: Approval of Phase I Remedial Investigation

Title: RFA COMPLETED (CA050R9)
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RCRA Facility Assessment Report
Date Completed: 9/13/1988
Comments: Reassessment of GE PA

Title: Remedy Constructed

Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedy Construction Complete
Date Completed: 10/9/1996
Comments:

Title: Voluntary C A
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 1/1/1990
Comments:

Title: PA OR CERCLA INSPECTION-NOT A PA PLUS (CA049PA)
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 7/1/1985
Comments:

Title: Human Exposure Controlled
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Human Exposure Controlled
Date Completed: 12/3/1997
Comments:

Title: Groundwater Migration Controlled
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Groundwater Migration Controlled
Date Completed: 12/3/1997
Comments:

Title: CERTIFICATION OF REMEDY COMPLETION (CMI) (CA550)
Title Link:
Area Name:
Area Link:
Sub Area: SOILS
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001638&site_id=2008804
Document Type: Remedy Constructed: Operating Properly & Successfully
Date Completed: 10/9/1996
Comments: Remedial Action Completion per Site Mit database. O&M of 3 SVE and treatment system.

Title: RFI REPORT APPROVED (CA200)
Title Link:
Area Name:
Area Link:
Sub Area: SOILS
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001638&site_id=2008804
Document Type: RFI Report
Date Completed: 6/30/1993
Comments: Remedial Investigation and Feasibility Study Approved per file chronology.

Title: Consent Order
Title Link:
Area Name:
Area Link:
Sub Area: SOILS
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001638&site_id=2008804
Document Type: Consent Order
Date Completed: 9/28/1988
Comments:

Title: Reassessment of GE PA
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RCRA Facility Assessment Report
Date Completed: 9/13/1988
Comments:

Title: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION (CA225NR)
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Interim Measures Questionnaire
Date Completed: 12/3/1997
Comments:

Title: Remedy Selected
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Remedy Selected
Date Completed: 9/16/1994
Comments:

Title: DATE FOR REMEDY SELECTION (CM IMPOSED) (CA400)
Title Link:
Area Name:
Area Link:
Sub Area: SOILS
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001638&site_id=2008804
Document Type: Remedy Selection and Statement of Basis
Date Completed: 9/16/1994
Comments: Final Remedial Action plan approval. Per file chronology.

Title: CMS APPROVED (CA350)
Title Link:
Area Name:
Area Link:
Sub Area: SOILS
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001638&site_id=2008804
Document Type: Corrective Measures Study Report
Date Completed: 6/30/1993
Comments: Remedial Investigation and Feasibility Study Approved per file chronology.

Title: RFI WORKPLAN APPROVED (CA150)
Title Link:
Area Name:
Area Link:
Sub Area: SOILS
Sub Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001638&site_id=2008804
Document Type: RFI Workplan
Date Completed: 12/27/1991
Comments: Phase IIb Remedial Investigation Workplan Approved per file chronology.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: PA OR CERCLA INSPECTION-REEVALUATED, NOT A PA PLUS (CA049RE)
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 11/14/1988
Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
84	2 of 3	NNW	0.23 / 1,230.11	934.73 / 25	GE ENGINE SERVICES INC ONTARIO INT'L AIRPORT ONTARIO CA 917610000	ENVIROSTOR

Estor/EPA ID: CAD009542721
Site Code: 400359
Nat Priority List:
APN:
Census Tract: 6071001600
Site Type: CLOSED
Address Description: ONTARIO INT'L AIRPORT
Office:
Special Program:
Funding:
Cleanup Status:
Cleanup Oversight Agencies:
School District:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contamin of Concern:

Assembly District: 52
Senate District: 20
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: SAN BERNARDINO
Latitude: 34.056958
Longitude: -117.606995
Acres:
Supervisor:

Site History:

The site is a test facility for commercial and military jet engines that has operated from 1956 to the present. About 6,000 gallons of hazardous waste were disposed of in dry wells. There is an estimated 600 cubic yards of waste and contaminated soil on the site. Results of a preliminary investigation in 1987 indicated the presence of 1,1,1-trichloroethane (TCA), tetrachloroethene (PCE), chloroform, naphthalene, 2-methylnaph- thalene, and volatile aromatic (xylene, toluene, ethylbenzene) in soils near the dry wells. Hazardous substances disposed of in dry wells may potentially enter groundwater and contaminate drinking water supplies. The workers on the facility may be exposed to volatile organic compounds if contaminated subsurface soils are excavated or disturbed. General Electric performed preliminary assessment soil sampling in 1984 and 1987 to identify contaminated areas on the facility. A Consent Order between General Electric and DHS was signed September 28, 1988, for both groundwater and soil remediation. A Remedial Investigation / Feasibility Study was done in 1993 to fully characterize the site. DTSC approved the final Remedial Action Plan on September 16, 1994. System operation of the vapor extraction treatment systems in areas A, B and C began on May 17, 1996. An Enforceable Agreement for Operation and Maintenance was signed by DTSC and GE on August 28, 1998. Quarterly reports on the status of operation have been submitted to DTSC since commencing remediation. Concentrations of VOCs in shallow soils in areas A, B, and C at the site have reached acceptable closure levels. The shallow extraction wells in areas A, B, and C will be maintained in operational condition until sufficient data can be obtained to evaluate rebound data.

Status: CLOSED
A2 Program Type: HAZ WASTE - RCRA Interim Status Permit
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD009542721

Permit Units - Completed Activities

Date: 11/18/1980
Event Description: NEW OPERATING PERMIT - APPLICATION PART A RECEIVED
Unit:
Doc Link:
Unit Link:

Units Undergoing Closure

Date: 10/17/1994
Event Description: CLOSURE - ISSUE CLOSURE VERIFICATION
Unit: MULTIPLE UNITS

Doc Link:

Date: 11/20/1990
Event Description: CLOSURE - CLOSURE PLAN RECEIVED
Unit: MULTIPLE UNITS
Doc Link:

Date: 2/6/1992
Event Description: CLOSURE - 1ST NOTICE OF DEFICIENCY ISSUED
Unit: MULTIPLE UNITS
Doc Link:

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84 | ***3 of 3*** | ***NNW*** | ***0.23 / 1,230.11*** | ***934.73 / 25*** | ***GE ENGINE SERVICES INC ONTARIO INT'L AIRPORT ONTARIO CA 917610000*** | ***HWP***

Estor/EPA ID: CAD009542721
Site Code: 400359
Nat Priority List:
Acres:
Special Program:
Funding:
Assembly District: 52
Senate District: 20
School District:
APN:
Cleanup Status:
Cleanup Oversight Agencies:
Site Type: CLOSED
Office:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contamin of Concern:

Permit Renewal Lead:
Project Manager:
Supervisor:
Public Partici Spclst:
Census Tract: 6071001600
County: SAN BERNARDINO
Latitude: 34.056958
Longitude: -117.606995

Site History:

The site is a test facility for commercial and military jet engines that has operated from 1956 to the present. About 6,000 gallons of hazardous waste were disposed of in dry wells. There is an estimated 600 cubic yards of waste and contaminated soil on the site. Results of a preliminary investigation in 1987 indicated the presence of 1,1,1-trichloroethane (TCA), tetrachloroethene (PCE), chloroform, naphthalene, 2-methylnaph- thalene, and volatile aromatic (xylene, toluene, ethylbenzene) in soils near the dry wells. Hazardous substances disposed of in dry wells may potentially enter groundwater and contaminate drinking water supplies. The workers on the facility may be exposed to volatile organic compounds if contaminated subsurface soils are excavated or disturbed. General Electric performed preliminary assessment soil sampling in 1984 and 1987 to identify contaminated areas on the facility. A Consent Order between General Electric and DHS was signed September 28, 1988, for both groundwater and soil remediation. A Remedial Investigation / Feasibility Study was done in 1993 to fully characterize the site. DTSC approved the final Remedial Action Plan on September 16, 1994. System operation of the vapor extraction treatment systems in areas A, B and C began on May 17, 1996. An Enforceable Agreement for Operation and Maintenance was signed by DTSC and GE on August 28, 1998. Quarterly reports on the status of operation have been submitted to DTSC since commencing remediation. Concentrations of VOCs in shallow soils in areas A, B, and C at the site have reached acceptable closure levels. The shallow extraction wells in areas A, B, and C will be maintained in operational condition until sufficient data can be obtained to evaluate rebound data.

Status: CLOSED
Program Type: HAZ WASTE - RCRA Interim Status Permit
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD009542721

Permit Units - Completed Activities

Date: 11/18/1980
Event Description: NEW OPERATING PERMIT - APPLICATION PART A RECEIVED
Unit:
Doc Link:
Unit Link:

Units Undergoing Closure

Date: 10/17/1994

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Event Description: CLOSURE - ISSUE CLOSURE VERIFICATION
Unit: MULTIPLE UNITS
Doc Link:

Date: 11/20/1990
Event Description: CLOSURE - CLOSURE PLAN RECEIVED
Unit: MULTIPLE UNITS
Doc Link:

Date: 2/6/1992
Event Description: CLOSURE - 1ST NOTICE OF DEFICIENCY ISSUED
Unit: MULTIPLE UNITS
Doc Link:

85	1 of 1	WSW	0.24 / 1,269.12	895.57 / -14	ALLIED HYDRAULICS 1490 S VINEYARD AVE STE A & B ONTARIO CA 91761	SANBERN CUPA

Facility ID: FA0008232
Owner Info: ALLIED HYDRAULICS
Mailing Care of: ED RYAN
Mailing Address 1: 1490 S VINEYARD AVE STE A & B
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0014414
Status: INACTIVE
Program Element Code: 4430
Permit Desc: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
To: 3/31/2010

Permit ID: PT0014413
Status: INACTIVE
Program Element Code: 4210
Permit Desc: SPECIAL HANDLER
To: 3/31/2010

86	1 of 2	SSW	0.24 / 1,274.97	880.46 / -29	Cummings Industries Inc DBA North American Crane Company 2041 E Locust Ct Ontario CA 91761	SANBERN CUPA

Facility ID: FA0015454
Owner Info: Tim Cummings
Mailing Care of:
Mailing Address 1: 2041 E. Locust Ct
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0033916
Status: ACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 5/31/2021

Permit ID: PT0033914
Status: ACTIVE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 5/31/2021

86	2 of 2	SSW	0.24 / 1,274.97	880.46 / -29	CUMMINGS INDUSTRIES INC DBA NORTH AMERICAN CRANE COMPANY 2041 E LOCUST CT ONTARIO CA 91761-7618	RCRA NON GEN

EPA Handler ID: CAL000396307
Gen Status Universe: No Report
Contact Name: ALLAN WASCH
Contact Address: 2041 E LOCUST CT , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext: 562-905-2000
Contact Email: AWASCH@NACRANE.NET
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20140428
Location Latitude: 34.045308
Location Longitude: -117.604988

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20140428
Handler Name: CUMMINGS INDUSTRIES INC DBA NORTH AMERICAN CRANE COMPANY
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: CUMMINGS INDUSTRIES INC
Date Became Current:
Date Ended Current:
Street No:
Street 1: 2041 E LOCUST CT
Street 2:
City: ONTARIO
State: CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone:	562-605-2000	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761-7618
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2041 E LOCUST CT
Name:	ALLAN WASCH	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	562-905-2000	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

87	1 of 1	S	0.27 / 1,404.61	878.54 / -31	**WILBUR ELLIS** **2275 EAST LOCUST CT** **ONTARIO CA 91761**	RCRA TSD

EPA Handler ID:	CAC003013591
Gen Status Universe:	No Report
Contact Name:	ERIN BARKER
Contact Address:	2275 EAST LOCUST CT , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext:	909-930-5440
Contact Email:	EBARKER@WILBURELLIS.COM
Contact Country:	
Land Type:	
County Name:	SAN BERNARDINO
EPA Region:	09
Receive Date:	20190506
Location Latitude:	34.044176
Location Longitude:	-117.602821

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190506
Handler Name:	WILBUR ELLIS
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2275 EAST LOCUST CT
Name:	ERIN BARKER	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-930-5440	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	2275 EAST LOCUST CT
Name:	WILBUR ELLIS	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-930-5440	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

88	1 of 1	SSW	0.32 / 1,691.34	879.56 / -30	**ANGELES PRECISION ENGINEERING, INC.** **2060 E. LOCUST ST. UNIT E** **ONTARIO CA 91761**	RCRA TSD

EPA Handler ID:	CAL000445614
Gen Status Universe:	No Report
Contact Name:	MARIO ANGELES
Contact Address:	2060 E. LOCUST ST. UNIT E , , ONTARIO , CA, 91761 ,
Contact Phone No and Ext:	909-673-0090
Contact Email:	MARIOE@ANGELESPRECISION.COM
Contact Country:	
Land Type:	
County Name:	SAN BERNARDINO
EPA Region:	09
Receive Date:	20190426
Location Latitude:	34.044768
Location Longitude:	-117.607082

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190426
Handler Name:	ANGELES PRECISION ENGINEERING, INC.
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	13134 OAKS AVE
Name:	MARIO ANGELES	**Street 2:**	
Date Became Current:		**City:**	CHICO
Date Ended Current:		**State:**	CA
Phone:	909-673-0090	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2060 E. LOCUST ST. UNIT E
Name:	MARIO ANGELES	**Street 2:**	
Date Became Current:		**City:**	ONTARIO
Date Ended Current:		**State:**	CA
Phone:	909-673-0090	**Country:**	
Source Type:	Implementer	**Zip Code:**	91761

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89 | ***1 of 4*** | ***NNW*** | ***0.33 / 1,735.30*** | ***943.00 / 34*** | ***ONTARIO ARMY AIRFIELD***
1923 E AVION DR
ONTARIO CA 91761 | ***ENVIROSTOR***

Estor/EPA ID:	80000416	**Assembly District:**	52
Site Code:	401330	**Senate District:**	20
Nat Priority List:	NO	**Permit Renewal Lead:**	
APN:	NONE SPECIFIED	**Public Partici Spclst:**	
Census Tract:	6071001600	**Project Manager:**	DANIEL CORDERO
Site Type:	FUDS	**County:**	SAN BERNARDINO
Address Description:	1923 E AVION DR	**Latitude:**	34.0583333333333
Office:	CLEANUP CYPRESS	**Longitude:**	-117.608333333333
Special Program:		**Acres:**	875 ACRES
Funding:	DERA	**Supervisor:**	MANNY ALONZO

Cleanup Status: NO FURTHER ACTION AS OF 3/5/2012
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District:
Past Use that Caused Contam: FIRING RANGE - SMALL ARMS ETC...
Potential Media Affected: SOIL
Potential Contamin of Concern:

EXPLOSIVES (UXO, MEC)
MUNITIONS DEBRIS (MD)

Site History:

FROM THE CORPS PUBLIC GIS SYSTEM: Property Description - The site comprised 875.49 acres in Ontario, California. The site encompasses all of the present airport property west of Archibald Avenue and sections south of Mission Blvd. between Grove and Turner Streets. The City of Ontario subsequently expanded the airport to the east to lengthen the runways and taxiways and named the airport Ontario International Airport. Over the years the City of Ontario leased portions of the airport to numerous companies for commercial and industrial purposes. Aerospace companies built, tested, overhauled, and refurbished aircraft within and adjacent to the airport. In 1985, the City of Ontario deeded title of the airport property to the City of Los Angeles, Department of Airports (LADA). From 1967 to 1985, the LADA operated and maintained the airport for the City of Ontario under an agreement. AAF improvements included maintenance and fueling facilities for aircraft and motor vehicles, taxiways and hardstands, subsistence, recreation, storage and operations buildings, utilities, and an ammo dump.

Property History - The airfield was a training site for Army Air Corps P-38 fighter pilots. In 1942, the U.S. took control of the airport and adjacent agricultural land. After 1945, the airport was returned to the city of Ontario and rededicated to civil aviation.

Status: NO FURTHER ACTION
A2 Program Type: MILITARY EVALUATION
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80000416

Completed Activities

Title: Site Inspection Report

Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80000416&doc_id=60281289
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Date Completed: 10/12/2011
Comments: DTSC comments incorporated into final document.

Title: USACE INPR Summary
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80000416&doc_id=60459390
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Inventory Project Report (INPR)
Date Completed: 2/10/1992
Comments: INPR concluded that site is eligible the Formerly Used Defense Sites program.

Title: Technical Project Planning Memorandum
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80000416&doc_id=60260482
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 1/3/2011
Comments:

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89 | ***2 of 4*** | ***NNW*** | ***0.33 / 1,735.30*** | ***943.00 / 34*** | ***OBSERV. SQUADRON OAA ONTARIO ARMY AIRPT CA*** | ***ENVIROSTOR***

Estor/EPA ID:	80000874	***Assembly District:***	52
Site Code:		***Senate District:***	20
Nat Priority List:	NO	***Permit Renewal Lead:***	
APN:	NONE SPECIFIED	***Public Partici Spclst:***	
Census Tract:	6071001600	***Project Manager:***	
Site Type:	FUDS	***County:***	SANTA BARBARA
Address Description:		***Latitude:***	34.0583333333333
Office:	CLEANUP CYPRESS	***Longitude:***	-117.608333333333
Special Program:		***Acres:***	NONE SPECIFIED
Funding:	DERA	***Supervisor:***	DOUGLAS BAUTISTA

Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 7/1/2005
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Status: INACTIVE - NEEDS EVALUATION
A2 Program Type: MILITARY EVALUATION
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80000874

Completed Activities

Title: USACE INPR Summary J0CA717200 29 Apr 1999
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80000874&doc_id=5011183
Area Name:
Area Link:
Sub Area:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sub Area Link:
Document Type: Inventory Project Report (INPR)
Date Completed: 4/29/1999
Comments:

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89 | ***3 of 4*** | ***NNW*** | ***0.33 / 1,735.30*** | ***943.00 / 34*** | ***SBD ONTARIO ARMY AIRFIELD*** | ***ENVIROSTOR***

ONTARIO CA 91761

Estor/EPA ID:	80000880	***Assembly District:***	52
Site Code:		***Senate District:***	20
Nat Priority List:	NO	***Permit Renewal Lead:***	
APN:	NONE SPECIFIED	***Public Partici Spclst:***	
Census Tract:	6071001600	***Project Manager:***	
Site Type:	FUDS	***County:***	SAN BERNARDINO
Address Description:		***Latitude:***	34.0583333333333
Office:	CLEANUP CYPRESS	***Longitude:***	-117.608333333333
Special Program:		***Acres:***	875 ACRES
Funding:	DERA	***Supervisor:***	PATRICK HSIEH

Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 8/15/2018
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District:
Past Use that Caused Contam: AIRFIELD OPERATIONS, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential Media Affected: UNDER INVESTIGATION
Potential Contamin of Concern:

EXPLOSIVES (UXO, MEC)

Site History:

FROM THE CORPS PUBLIC GIS SYSTEM: Property Description - The site comprised 875.49 acres in Ontario, California. The site encompasses all of the present airport property west of Archibald Avenue and sections south of Mission Blvd. between Grove and Turner Streets. The City of Ontario subsequently expanded the airport to the east to lengthen the runways and taxiways and named the airport Ontario International Airport. Over the years the City of Ontario leased portions of the airport to numerous companies for commercial and industrial purposes. Aerospace companies built, tested, overhauled, and refurbished aircraft within and adjacent to the airport. In 1985, the City of Ontario deeded title of the airport property to the City of Los Angeles, Department of Airports (LADA). From 1967 to 1985, the LADA operated and maintained the airport for the City of Ontario under an agreement. AAF improvements included maintenance and fueling facilities for aircraft and motor vehicles, taxiways and hardstands, subsistence, recreation, storage and operations buildings, utilities, and an ammo dump.

Property History - The airfield was a training site for Army Air Corps P-38 fighter pilots. In 1942, the U.S. took control of the airport and adjacent agricultural land. After 1945, the airport was returned to the city of Ontario and rededicated to civil aviation.

Status: INACTIVE - NEEDS EVALUATION
A2 Program Type: MILITARY EVALUATION
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80000880

Completed Activities

Title: FUDS Screening project.
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80000880&doc_id=60387201
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 5/2/2016
Comments:

Title: USACE INPR Summary J0CA717800 29 Apr 1999
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80000880&doc_id=5011189
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Inventory Project Report (INPR)
Date Completed: 4/29/1999

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Comments:						
89	4 of 4	NNW	0.33 / 1,735.30	943.00 / 34	ONTARIO ARMY AIRFIELD ONTARIO CA	FUDS

FUDS Property No:	J09CA0531
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=61967
FUDS INST ID:	CA99799F686800
Status:	
SDS ID:	
NPL Status Code:	Not on the NPL
Eligibility:	Eligible
Site Eligib:	
Current Owner:	
Has Project:	Yes
DOD FUDS Pro:	
Project Required:	Yes
No Further Action:	
Congressional District:	35
EPA Region:	09
County:	SAN BERNARDINO
Latitude:	34.05833333
Longitude:	-117.60833333
Fiscal year:	2019
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Shape Area:	.00031273
Shape Len:	.12610769
Centroid Latitude:	
Centroid Longitude:	
Media ID:	
Metadata ID:	
Feature Desc:	
Property History:	The site consisted of a total of 875.49 acres; 375.11 acres fee, 518.12 acres lease, and 0.26 acres easement acquired between 1942 and 1944. A portion of the site (Ontario Air National Guard) is adressed under J09CA0522. Civilian airport operations at th

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
90	1 of 1	SW	0.34 / 1,768.82	887.88 / -22	HI PERFORMANCE GOLF CARS, INC. 1551 S VINEYARD ONTARIO CA 91761	DELISTED HAZ

Siteid:	36305
Latitude:	34.045791
Longitude:	-117.610780
Original Source:	CHAZ
Record Date:	22-MAR-2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
91	1 of 1	SSW	0.34 / 1,789.37	880.79 / -29	LEABO FOODS DISTRIBUTION INC 1975 E LOCUST ST STE B ONTARIO CA 91761	DELISTED HAZ

Siteid:	43823
Latitude:	34.045390
Longitude:	-117.607700
Original Source:	CHAZ
Record Date:	22-MAR-2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
92	1 of 1	ESE	0.36 / 1,908.54	893.95 / -15		PFAS GW

Well ID: 3610034-031
Latitude: 34.048149
Longitude: -117.593731
Data Source(s): Perfluorooctanoic Acid; 4,8-Dioxa-3H-perfluorononanoic acid; Perfluorobutanesulfonic acid; Perfluorododecanoic acid; Perfluorohexanoic acid; Perfluoroheptanoic acid; Perfluorohexanesulfonic acid; Perfluorononanoic acid; Perfluorooctadecanoic acid; Perfluorotetradecanoic acid; Perfluorotridecanoic acid; Perfluoroundecanoic acid

Perfluorooctanoic Acid

Chemical: PFOA
Results: 2
Date : 10/09/2019
Units: NG/L
Qualifer: <
Well Type: MUNICIPAL
Well Depth (ft):
RL: UNK
Top of Screen (ft): 530
Screen Length (ft): 470
Source: DHS
Source Name: 3610034-031
Other Names: WELL 36

Perfluorooctanoic Acid

Chemical: PFOA
Results: 2
Date : 01/23/2020
Units: NG/L
Qualifer: <
Well Type: MUNICIPAL
Well Depth (ft):
RL: UNK
Top of Screen (ft): 530
Screen Length (ft): 470
Source: DHS
Source Name: 3610034-031
Other Names: WELL 36

Perfluorooctanoic Acid

Chemical: PFOA
Results: 2
Date : 07/16/2019
Units: NG/L
Qualifer: <
Well Type: MUNICIPAL
Well Depth (ft):
RL: UNK
Top of Screen (ft): 530
Screen Length (ft): 470
Source: DHS
Source Name: 3610034-031
Other Names: WELL 36

Perfluorooctanoic Acid

Chemical: PFOA
Results: 2
Date : 04/11/2019
Units: NG/L
Qualifer: <
Well Type: MUNICIPAL
Well Depth (ft):
RL: UNK
Top of Screen (ft): 530
Screen Length (ft): 470
Source: DHS
Source Name: 3610034-031
Other Names: WELL 36

4,8-Dioxa-3H-perfluorononanoic acid

Chemical: ADONA
Results: 2
Date : 01/23/2020
Units: NG/L
Qualifer: <
Well Type: MUNICIPAL
Well Depth (ft):
RL: UNK
Top of Screen (ft): 530
Screen Length (ft): 470
Source: DHS
Source Name: 3610034-031
Other Names: WELL 36

Perfluorobutanesulfonic acid

Chemical:	PFBSA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	04/11/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorobutanesulfonic acid

Chemical:	PFBSA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	10/09/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorobutanesulfonic acid

Chemical:	PFBSA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	07/16/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorobutanesulfonic acid

Chemical:	PFBSA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	01/23/2020	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorododecanoic acid

Chemical:	PFDOA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	04/11/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorododecanoic acid

Chemical:	PFDOA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	07/16/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorododecanoic acid

Chemical:	PFDOA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530

Date :	01/23/2020	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorododecanoic acid

Chemical:	PFDOA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	10/09/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorohexanoic acid

Chemical:	PFHA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	07/16/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorohexanoic acid

Chemical:	PFHA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	01/23/2020	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorohexanoic acid

Chemical:	PFHA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	04/11/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorohexanoic acid

Chemical:	PFHA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	10/09/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluoroheptanoic acid

Chemical:	PFHPA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	04/11/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS

Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluoroheptanoic acid

Chemical:	PFHPA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	10/09/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluoroheptanoic acid

Chemical:	PFHPA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	07/16/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluoroheptanoic acid

Chemical:	PFHPA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	01/23/2020	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorohexanesulfonic acid

Chemical:	PFHXSA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	04/11/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorohexanesulfonic acid

Chemical:	PFHXSA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	10/09/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorohexanesulfonic acid

Chemical:	PFHXSA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	07/16/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36

Well Depth (ft):

Perfluorohexanesulfonic acid

Chemical: PFHXSA
Results: 2
Date : 01/23/2020
Units: NG/L
Qualifer: <
Well Type: MUNICIPAL
Well Depth (ft):
RL: UNK
Top of Screen (ft): 530
Screen Length (ft): 470
Source: DHS
Source Name: 3610034-031
Other Names: WELL 36

Perfluorononanoic acid

Chemical: PFNA
Results: 2
Date : 10/09/2019
Units: NG/L
Qualifer: <
Well Type: MUNICIPAL
Well Depth (ft):
RL: UNK
Top of Screen (ft): 530
Screen Length (ft): 470
Source: DHS
Source Name: 3610034-031
Other Names: WELL 36

Perfluorononanoic acid

Chemical: PFNA
Results: 2
Date : 07/16/2019
Units: NG/L
Qualifer: <
Well Type: MUNICIPAL
Well Depth (ft):
RL: UNK
Top of Screen (ft): 530
Screen Length (ft): 470
Source: DHS
Source Name: 3610034-031
Other Names: WELL 36

Perfluorononanoic acid

Chemical: PFNA
Results: 2
Date : 01/23/2020
Units: NG/L
Qualifer: <
Well Type: MUNICIPAL
Well Depth (ft):
RL: UNK
Top of Screen (ft): 530
Screen Length (ft): 470
Source: DHS
Source Name: 3610034-031
Other Names: WELL 36

Perfluorononanoic acid

Chemical: PFNA
Results: 2
Date : 04/11/2019
Units: NG/L
Qualifer: <
Well Type: MUNICIPAL
Well Depth (ft):
RL: UNK
Top of Screen (ft): 530
Screen Length (ft): 470
Source: DHS
Source Name: 3610034-031
Other Names: WELL 36

Perfluorooctadecanoic acid

Chemical: PFNDCA
Results: 2
Date : 10/09/2019
Units: NG/L
Qualifer: <
Well Type: MUNICIPAL
Well Depth (ft):
RL: UNK
Top of Screen (ft): 530
Screen Length (ft): 470
Source: DHS
Source Name: 3610034-031
Other Names: WELL 36

Perfluorooctadecanoic acid

Chemical:	PFNDCA	***RL:***	UNK
Results:	2	***Top of Screen (ft):***	530
Date :	04/11/2019	***Screen Length (ft):***	470
Units:	NG/L	***Source:***	DHS
Qualifer:	<	***Source Name:***	3610034-031
Well Type:	MUNICIPAL	***Other Names:***	WELL 36
Well Depth (ft):			

Perfluorooctadecanoic acid

Chemical:	PFNDCA	***RL:***	UNK
Results:	2	***Top of Screen (ft):***	530
Date :	07/16/2019	***Screen Length (ft):***	470
Units:	NG/L	***Source:***	DHS
Qualifer:	<	***Source Name:***	3610034-031
Well Type:	MUNICIPAL	***Other Names:***	WELL 36
Well Depth (ft):			

Perfluorooctadecanoic acid

Chemical:	PFNDCA	***RL:***	UNK
Results:	2	***Top of Screen (ft):***	530
Date :	01/23/2020	***Screen Length (ft):***	470
Units:	NG/L	***Source:***	DHS
Qualifer:	<	***Source Name:***	3610034-031
Well Type:	MUNICIPAL	***Other Names:***	WELL 36
Well Depth (ft):			

Perfluorotetradecanoic acid

Chemical:	PFTEDA	***RL:***	UNK
Results:	2	***Top of Screen (ft):***	530
Date :	04/11/2019	***Screen Length (ft):***	470
Units:	NG/L	***Source:***	DHS
Qualifer:	<	***Source Name:***	3610034-031
Well Type:	MUNICIPAL	***Other Names:***	WELL 36
Well Depth (ft):			

Perfluorotetradecanoic acid

Chemical:	PFTEDA	***RL:***	UNK
Results:	2	***Top of Screen (ft):***	530
Date :	10/09/2019	***Screen Length (ft):***	470
Units:	NG/L	***Source:***	DHS
Qualifer:	<	***Source Name:***	3610034-031
Well Type:	MUNICIPAL	***Other Names:***	WELL 36
Well Depth (ft):			

Perfluorotetradecanoic acid

Chemical:	PFTEDA	***RL:***	UNK
Results:	2	***Top of Screen (ft):***	530
Date :	07/16/2019	***Screen Length (ft):***	470
Units:	NG/L	***Source:***	DHS
Qualifer:	<	***Source Name:***	3610034-031
Well Type:	MUNICIPAL	***Other Names:***	WELL 36
Well Depth (ft):			

Perfluorotetradecanoic acid

Chemical:	PFTEDA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	01/23/2020	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorotridecanoic acid

Chemical:	PFTRIDA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	10/09/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorotridecanoic acid

Chemical:	PFTRIDA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	04/11/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorotridecanoic acid

Chemical:	PFTRIDA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	07/16/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluorotridecanoic acid

Chemical:	PFTRIDA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	01/23/2020	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluoroundecanoic acid

Chemical:	PFUNDCA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	10/09/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluoroundecanoic acid

Chemical:	PFUNDCA	**RL:**	UNK

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Results:	2	**Top of Screen (ft):**	530
Date :	04/11/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluoroundecanoic acid

Chemical:	PFUNDCA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	07/16/2019	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

Perfluoroundecanoic acid

Chemical:	PFUNDCA	**RL:**	UNK
Results:	2	**Top of Screen (ft):**	530
Date :	01/23/2020	**Screen Length (ft):**	470
Units:	NG/L	**Source:**	DHS
Qualifer:	<	**Source Name:**	3610034-031
Well Type:	MUNICIPAL	**Other Names:**	WELL 36
Well Depth (ft):			

---

93 | ***1 of 1*** | ***WSW*** | ***0.40 / 2,107.99*** | ***898.30 / -11*** | ***SMITHFORD PRODUCTS COMPANY***
1401 S BAKER AVE
ONTARIO CA 91761 | ***LUST***

Global ID:	T0607100041	**County:**	SAN BERNARDINO
Status:	COMPLETED - CASE CLOSED	**Latitude:**	34.047853
Status Date:	6/12/1987	**Longitude:**	-117.61466
Case Type:	LUST CLEANUP SITE		

Date Source: LUST Cleanup Sites & Military UST Site from GeoTracker Project Search Results Export; LUST Cleanup Sites & Military UST Site from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:	083600376T	**Potential COC:**	Gasoline
Local Case No:	87020	**How Discovered:**	
Begin Date:	1/27/1987	**Stop Method:**	
Lead Agency:	SAN BERNARDINO COUNTY	**Stop Description:**	
Local Agency:		**Case Worker:**	
CUF Case:	NO	**File Location:**	Local Agency

Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
DWR GW Subbasin Name: Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:
Calenviroscreen Score: 96-100% (highest scores)
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: REMEDIATION
Date : 6/26/1987
Action:

Action Type: ENFORCEMENT
Date : 6/12/1987

Action: Closure/No Further Action Letter

Action Type: Other
Date : 1/27/1987
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
City: RIVERSIDE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
Email: patricia.hannon@waterboards.ca.gov
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 6/12/1987

Status: Open - Site Assessment
Status Date: 1/28/1987

Status: Open - Case Begin Date
Status Date: 1/27/1987

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: SMITHFORD PRODUCTS COMPANY
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 1401 S BAKER AVE
City: ONTARIO
Zip: 91761
County: SAN BERNARDINO
CUF Claim:
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC - Note: Also incl parts of 481.21 and 481.23 (R4).
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0607100041
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 6/12/1987
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0607100041&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Upper Santa Ana Valley - Chino (8-002.01)
Calwater Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN BERNARDINO COUNTY (LEAD) - CASE #: 87020
SANTA ANA RWQCB (REGION 8) - CASE #: 083600376T
CASEWORKER: PATRICIA HANNON
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply - Note: Also incl parts of 481.21 and 481.23 (R4).
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 6/12/1987

Status: Open - Site Assessment
Date : 1/28/1987

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: Open - Case Begin Date
Date : 1/27/1987

LUST Sites from GeoTracker Search - Cleanup Action Report (as of May 29, 2021)

Action Type: UNKNOWN
Begin Date: 6/26/1987
Phase:
End Date:
Contaminant Mass Removed:
Description:

LUST Sites from GeoTracker Search - Regulatory Activities (as of May 29, 2021)

Action Type: Other Regulatory Actions
Action Date: 6/12/1987
Received Issue Date: 6/12/1987
Action: Closure/No Further Action Letter
Doc Link:
Title Description Comments:

NOTE: URR WAS DATED 1/27/87.

Action Type: Cleanup Action
Action Date: 6/26/1987
Received Issue Date:
Action:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 1/27/1987
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

94	1 of 1	W	0.44 / 2,303.70	923.10 / 14	JET SYSTEMS INTERNATIONAL INC. 2161 E AVION AVE HANGAR #2 ONTARIO CA 91761	DELISTED HAZ

Siteid: 39760
Latitude: 34.049309
Longitude: -117.603200
Original Source: CHAZ
Record Date: 09-JUL-2018

95	1 of 1	WSW	0.45 / 2,400.63	890.90 / -19	Rapid Constrution and Paintng 1505 S BAKER AVE ONTARIO CA 91761	DELISTED HAZ

Siteid: 146650
Latitude: 34.046398
Longitude: -117.614921
Original Source: CHAZ
Record Date: 04-JAN-2018

96	1 of 1	NE	0.48 / 2,523.13	942.76 / 33	Ontario International Airport 2500 E Airport Dr	PFAS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					Ontario CA 91761	

Global ID: T10000012784
Status:
Status Date:
County:
Data Source: 2019 Statewide PFAS Investigation - FAA Part 139 Airports

Facility ID:
Site Facility Type:
Latitude: 34.06033
Longitude: -117.59716

2020 Statewide PFAS Investigation - FAA Part 139 Airports

CRS:
Airport: Ontario International Airport
Airport Class: Medium Hub
Airport Address: 2500 E Airport Dr
City: Ontario
County: San Bernardino
Zip Code: 91761
Lead Agency: Santa Ana Regional Water quality Control Board (8)
Contact Information: https://www.waterboards.ca.gov/pfas/regional_board_contacts.html
Geotracker Data: http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000012861
Geometry Type:

Lead Agency Contact: Mehrnoosh Behrooz
X:
Y:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
97	*1 of 1*	*NW*	*0.57 / 3,026.90*	*958.81 / 49*	***LOCKHEED MARTIN AIRCRAFT (FORMER)*** ***1800 E. AIRPORT DRIVE*** ***ONTARIO CA 91761***	***ENVIROSTOR***

Estor/EPA ID: 36370030
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6071001600
Site Type: EVALUATION
Address Description: 1800 E. AIRPORT DRIVE
Office: CLEANUP CYPRESS
Special Program:
Funding: NOT APPLICABLE
Cleanup Status: REFER: 1248 LOCAL AGENCY AS OF 3/8/2001
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Assembly District: 61
Senate District:
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: SAN BERNARDINO
Latitude: 34.0608331
Longitude: -117.6139172
Acres: NONE SPECIFIED
Supervisor:

Status: REFER: 1248 LOCAL AGENCY
A2 Program Type: EVALUATION
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36370030

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
98	*1 of 1*	*NW*	*0.64 / 3,401.61*	*964.91 / 56*	***LOCKHEED AIRCRAFT SERVICE CO.*** ***1800 E. AIRPORT DRIVE*** ***ONTARIO CA 91761***	***ENVIROSTOR***

Estor/EPA ID: 71002210
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6071001600
Site Type: TIERED PERMIT
Address Description: 1800 E. AIRPORT DRIVE

Assembly District: 52
Senate District: 20
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: SAN BERNARDINO
Latitude: 34.0619998

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Office: CLEANUP CYPRESS
Special Program:
Funding:
Cleanup Status: REFER: OTHER AGENCY AS OF
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Longitude: -117.6138961
Acres: NONE SPECIFIED
Supervisor:

Status: REFER: OTHER AGENCY
A2 Program Type: TIERED PERMIT
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002210

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
99	1 of 1	SE	0.66 / 3,489.08	860.43 / -49	HILLERICH & BRADSBY CO., INC. 1800 S. ARCHIBALD AVENUE ONTARIO CA 91761	ENVIROSTOR

Estor/EPA ID: 71003133
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6071001803
Site Type: TIERED PERMIT
Address Description: 1800 S. ARCHIBALD AVENUE
Office: CLEANUP CYPRESS
Special Program:
Funding:
Cleanup Status: NO ACTION REQUIRED AS OF 2/14/2001
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Assembly District: 52
Senate District: 20
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: SAN BERNARDINO
Latitude: 34.040207
Longitude: -117.594019
Acres: NONE SPECIFIED
Supervisor:

Status: NO ACTION REQUIRED
A2 Program Type: TIERED PERMIT
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71003133

Completed Activities

Title: Phase I Non-Submittal
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1 Non-Submittal
Date Completed: 2/14/2001
Comments:

Title: Phase I Verification Inspection
Title Link:
Area Name:
Area Link:
Sub Area:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sub Area Link:
Document Type: Phase 1
Date Completed: 4/18/2005
Comments:

Title: Inspection - Phase I Verification
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase I Verification
Date Completed: 4/15/2005
Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
100	1 of 1	W	0.92 / 4,838.57	913.17 / 4	ONTARIO A.N.G. TRAINING SITE ONTARIO CA	ENVIROSTOR

Estor/EPA ID:	80000415	***Assembly District:***	52
Site Code:		***Senate District:***	20
Nat Priority List:	NO	***Permit Renewal Lead:***	
APN:	NONE SPECIFIED	***Public Partici Spclst:***	
Census Tract:	6071001803	***Project Manager:***	
Site Type:	FUDS	***County:***	SAN BERNARDINO
Address Description:		***Latitude:***	34.05
Office:	CLEANUP CYPRESS	***Longitude:***	-117.625
Special Program:		***Acres:***	38 ACRES
Funding:	DERA	***Supervisor:***	DOUGLAS BAUTISTA

Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 7/1/2005
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Site History:

FROM THE CORPS PUBLIC GIS SYSTEM: Property Description - The former Ontario Air National Guard Training Site (ANGS) consisted of 30.62 acres leased to the U.S. Air Force by the City of Ontario and 7.93 acres fee owned by the U.S. Air Force and leased to the California Air National Guard (CANG). It is on 1280 S. Tower Drive, Ontario, California. The site is located along the south-central border of Ontario International Airport. In 1985, the city of Ontario conveyed the entire airport to the City of Los Angeles, Department of Airports (LADA). This ANGsS was included in that conveyance. By supplemental agreement dated 11 May 1988, 27.41 acres were deleted from the lease between the Air Force and the City of Los Angeles, reducing the size of the ANGS. The Air Force still leases 3.21 acres from LADA and still owns 7.93 acres fee. This area is currently used by the CANG, 148th Combat Communications Squadron. This portion contains supply and administrative facilities and a motor pool, and is ineligible for consideration under DERP-FUDS. Since 1988, the eligible portion of the site has been leased to various tenants whom have used the hangar.

Property History - The site has been used as an airport and for Air National Guard training. The former Ontario Air National Guard Training Site is located on a small portion of the former Ontario Army Airfield (DERP Site No. J09CA053100). The U.S. Air Force acquired the site for the use of the California Air National Guard (CANG). The CANG used the site from 1949 to about 1980 for ANG flight training. The former ANG site was disposed of to the City of Los Angeles, Department of Airports (LADA) in 1988. LADA has leased this area to various tenants whom have used the hangar located on this site.

Potential Contamin of Concern:

NONE SPECIFIED

Status: INACTIVE - NEEDS EVALUATION
A2 Program Type: MILITARY EVALUATION
CalEnviroScreen Score: 96-100%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80000415

Unplottable Summary

Total: 10 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CALSITES	SO CAL GAS/ONTARIO MGP	CNR CAMPUS, MARTLAND, MONTEREY & MISSION	ONTARIO CA	91761	891193723
CERS TANK	MENZIES AVIATION FUEL FARM & REPAIR SHOP	495 S HELLMAN GATE GATE 106 ***Site ID:*** 7111	ONTARIO CA	91764	864885625
HHSS	AVIS RENT A CAR	ONTARTIO INTERNATIONAL AIRPORT VINEYARD	ONTARIO CA	91762	822953096
HHSS	LOCKHEED AIRCRAFT SERVICE COMP	ONTARIO INTERNATIONAL AIRPORT VINEYARD AVE.	ONTARIO CA	91761	822927094
HHSS	BUDGET CAR AND TRUCK RENTAL	ONTARIO INTERNATIONAL AIRPORT VINEYARD	ONTARIO CA	91761	822948860
HHSS	LOCKHEED AIRCRAFT SERVICE COMP	ONTARIO INTERNATIONAL AIRPORT VINEYARD AVENUE	ONTARIO CA	91761	822952260
HHSS	HERTZ CORPORATION-SERVICE AREA	ONTARIO INTL AIRPORT HOLT & VINEYARD	ONTARIO CA	91761	822971230
HHSS	THE HERTZ CORPORATION ONTARIO	ONTARIO INTERNATIONAL AIRPORT VINEYARD & HOLT	ONTARIO CA	91761	822962323
HHSS	LOCKHEED AIRCRAFT SERVICE CO	ONTARIO INTERNATIONAL AIRPORT VINEYARD AVE.	ONTARIO CA	91761	822959589
SANBERN CUPA	MENZIES AVIATION FUEL FARM & REPAIR SHOP	495 S HELLMAN GATE GATE 106	ONTARIO CA	91764	820054662

Unplottable Report

Site: ***SO CAL GAS/ONTARIO MGP***
CNR CAMPUS, MARTLAND, MONTEREY & MISSION ONTARIO CA 91761

CALSITES

ID No:	36490109	***Assembly:***	61
Status Date:	08/20/1993	***Senate:***	32
NPL:	N	***Region:***	4
Tier:		***Region Name:***	LONG BEACH
Fund:	C	***County Co:***	36
Access :	U	***Facility County:***	SAN BERNARDINO
Access Code:	UNCONTROLLED	***Lat Deg:***	0
Cortese:	L	***Lat Min:***	0
Hrscore:		***Lat Sec:***	0
Hrsdate:		***Lat Dir:***	
Groundwater Contam:	N	***Long Deg:***	0
GW Code:	UNKNOWN	***Long Min:***	0
No Sources:	0	***Long Sec:***	0
RWQCB Name:	SANTA ANA	***Long Dir:***	
Branch Name:	SOUTHERN CA. - A	***LImethod:***	
Staff:	MEDWARDS	***LIdesc:***	
Senior:	GHOLMES		
Status Name:	VOLUNTARY CLEANUP PROGRAM		
Type Name:	VOLUNTARY CLEANUP PROGRAM		
Lead Name:	DEPT OF TOXIC SUBSTANCES CONTROL		
SIC Name:	ELECTRIC, GAS & SANITARY SERVICES		
Filename:	SO. CALIFORNIA GAS COMPANY ONTARIO		
Comments:			

Further investigation is anticipated this (96/97) fiscal yr. DTSC and The Gas Company signed a Consent Order providing for DTS oversight of a supplemental investigation and remediation of the site. Removal Action Workplan. Removal of 4700 cubic yards of PAH contaminated soil. Soil will be transported to a licensed treatment and disposal facility. Clean soil will be used to backfill and grade the site. REMOVAL ACTION and CERT: Removal of 17,000 cubic yards of PAH contaminated soil. Soil was transported to a licensed treatment and disposal facility. clean soil will be used to backfill and grade the site. Transition to Chapter 6.5 - Amendment to the existing Voluntary Cleanup Agreement, Docket No. 96/97-020 signed by the RP. A Removal Action Work Plan for Operable Unit 2 was approved by DTSC. Removal Action field work OUZ completed. DTSC independently sampled property of concerned occupant and owner at 628 Maitland Street. The property is located adjacent to 624 Maitland Street from which 50 cy of PAH contaminated was removed. PAH-contaminated soil was removed from 3 adjacent residential properties located at 608, 614, & 624 Maitland Street. These properties are located across the street from the main site. Contamination has been remediated to background levels.

Background:

Former MGP operated from 1909 to 1917. The site is now utilized as an unmanned natural gas meter and regulator station. The PEA report submitted in June 1993 revealed site soil impacted with a black tarred material, PAH's and TPH. The PEA recommends fencing the site and removal of some soil. Further characterization of the lateral and vertical extent of contamination and a baseline HRA is required.

Site: ***MENZIES AVIATION FUEL FARM & REPAIR SHOP***
495 S HELLMAN GATE GATE 106 ONTARIO CA 91764

CERS TANK

Site ID:	7111	***Latitude:***	34.076170
Longitude:	-117.596690		

Regulated Programs

EI ID:	10042645
EI Description:	Hazardous Waste Generator
EI ID:	10042645
EI Description:	Chemical Storage Facilities
EI ID:	10042645

EI Description: Aboveground Petroleum Storage

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections

Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Notes:

Violation Description:

Violations

Violation Date: 12/16/2019 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Violation Description:

Violations

Violation Date: 12/16/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(2)
Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Violation Description:

Violations

Violation Date: 03/03/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Notes:

Violation Description:

Enforcements

Enf Action Date: 03/03/2016 ***Enf Action Program:*** APSA
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 03/03/2016 ***Enf Action Program:*** HW
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 03/03/2016 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 03/03/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 03/03/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: APSA

Eval Source: CERS
Eval Notes:

Eval Date: 12/16/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 12/16/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 03/03/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 12/16/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Identification Signer
Entity Name: Gabriel Robiatti
Entity Title: Fuel Facility Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: MENZIES AVIATION
Entity Title:
Address: 1049 S. Vineyard Ave.
City: Ontario
State: CA
Country: United States
Zip Code: 91761
Phone: (909) 937-2375

Affil Type Desc: Property Owner
Entity Name: Menzies Aviation
Entity Title:
Address: 1049 S. Vineyard Ave
City: Ontario

State: CA
Country: United States
Zip Code: 91761
Phone: (909) 937-3486

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:
Address: 620 South E Street
City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Affil Type Desc: Environmental Contact
Entity Name: Anthony Medina
Entity Title:
Address: 1049 S. Vineyard Ave.
City: Ontario
State: CA
Country:
Zip Code: 91761
Phone:

Affil Type Desc: Document Preparer
Entity Name: Gabriel Robiatti
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: MENZIES AVIATION
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (909) 937-3486

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1049 S. Vineyard AVE
City: Ontario
State: CA
Country:
Zip Code: 91761
Phone:

Affil Type Desc: Parent Corporation
Entity Name: MENZIES AVIATION FUEL FARM & REPAIR SHOP
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Site: ***AVIS RENT A CAR***
ONTARTIO INTERNATIONAL AIRPORT VINEYARD ONTARIO CA 91762 HHSS

County: San Bernardino
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000299a6.pdf

Site: ***LOCKHEED AIRCRAFT SERVICE COMP***
ONTARIO INTERNATIONAL AIRPORT VINEYARD AVE. ONTARIO CA 91761

HHSS

County: San Bernardino
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002a1b0.pdf

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Site: ***BUDGET CAR AND TRUCK RENTAL***
ONTARIO INTERNATIONAL AIRPORT VINEYARD ONTARIO CA 91761

HHSS

County: San Bernardino
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029a81.pdf

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Site: ***LOCKHEED AIRCRAFT SERVICE COMP***
ONTARIO INTERNATIONAL AIRPORT VINEYARD AVENUE ONTARIO CA 91761

HHSS

County: San Bernardino
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002a1ae.pdf

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Site: ***HERTZ CORPORATION-SERVICE AREA***
ONTARIO INTL AIRPORT HOLT & VINEYARD ONTARIO CA 91761

HHSS

County: San Bernardino
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029fae.pdf

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Site: ***THE HERTZ CORPORATION ONTARIO***
ONTARIO INTERNATIONAL AIRPORT VINEYARD & HOLT ONTARIO CA 91761

HHSS

County: San Bernardino
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002a797.pdf

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Site: ***LOCKHEED AIRCRAFT SERVICE CO***
ONTARIO INTERNATIONAL AIRPORT VINEYARD AVE. ONTARIO CA 91761

HHSS

County: San Bernardino
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002a1ac.pdf

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Site: ***MENZIES AVIATION FUEL FARM & REPAIR SHOP***
495 S HELLMAN GATE GATE 106 ONTARIO CA 91764

SANBERN CUPA

Facility ID: FA0005079
Owner Info: MENZIES AVIATION
Mailing Care of: GABRIEL.ROBIATTI@MENZIESAVIATION.COM
Mailing Address 1: 1049 S. VINYARD AVE.
Mailing Address 2:
Mailing City: ONTARIO
Mailing State: CA
Mailing Zip: 91761

Detail(s)

Permit ID: PT0011648
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2012

Permit ID: PT0011654
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2012

Permit ID: PT0015982
Status: INACTIVE
Program Element Code: 4270
Permit Desc: EPCRA FACILITY
To: 10/31/2013

Permit ID: PT0011650
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To:

Permit ID: PT0021453
Status: ACTIVE
Program Element Code: 4033
Permit Desc: APSA 100,001-1,000,000 GAL FAC CAPACITY
To: 10/31/2021

Permit ID: PT0002460
Status: ACTIVE
Program Element Code: 4454
Permit Desc: LARGE QUANTITY GENERATOR
To: 10/31/2021

Permit ID: PT0011652
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To: 10/31/2012

Permit ID: PT0011653
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To:

Permit ID: PT0011651
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To:

Permit ID: PT0015983
Status: ACTIVE
Program Element Code: 4244
Permit Desc: HAZARDOUS MATERIALS 11-30 CHEMICALS
To: 10/31/2021

Permit ID: PT0011649
Status: INACTIVE
Program Element Code: 4104
Permit Desc: REGULAR UST ANNUAL INSPECTION (PER TANK)
To:

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Jun 25, 2021

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Jun 25, 2021

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Jun 25, 2021

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Mar 23, 2021

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: May 25, 2021

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jun 14, 2021

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Jun 14, 2021

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jun 14, 2021

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jun 14, 2021

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Jun 14, 2021

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jun 14, 2021

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 23, 2021

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Feb 23, 2021

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Jul 26, 2021

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Aug 20, 2021

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 2, 2020

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: May 25, 2021

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Jun 28, 2021

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Jun 14, 2021

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Jun 14, 2021

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Jun 14, 2021

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Jul 20, 2021

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Jun 14, 2021

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Construction and Demolition Debris Recyclers: C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

Government Publication Date: Jun 20, 2018

Recycling Centers: RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Nov 2, 2020

Listing of Certified Processors: PROCESSORS

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Oct 27, 2020

Listing of Certified Dropoff, Collection, and Community Service Programs: CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Dec 16, 2020

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Jun 22, 2021

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Jun 22, 2021

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Jun 22, 2021

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Jul 25, 2021

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: May 5, 2021

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Statewide Environmental Evaluation and Planning System: UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

Government Publication Date: Oct 1, 1994

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks: AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Jun 28, 2021

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Jul 25, 2021

California Environmental Reporting System (CERS) Tanks: CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Apr 29, 2021

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Apr 29, 2021

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Jun 14, 2021

CALSITES Database: CALSITES

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

Government Publication Date: May 1, 2004

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Government Publication Date: Feb 18, 2021

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Jun 22, 2021

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Jun 14, 2021

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Jun 22, 2021

Delisted County Records: DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Jul 9, 2021

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST
LUSTs on Tribal/Indian Lands in Region 9, which includes California.
Government Publication Date: Apr 8, 2020

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST
USTs on Tribal/Indian Lands in Region 9, which includes California.
Government Publication Date: Apr 8, 2020

Delisted Tribal Leaking Storage Tanks: DELISTED ILST
Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.
Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST
Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.
Government Publication Date: Apr 14, 2020

County

San Bernardino County - CUPA List: SANBERN CUPA
A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Bernardino County. This list is made available by San Bernardino County Fire Department which is the CUPA for all areas of the County except the city of Victorville.
Government Publication Date: May 28, 2021

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites: PFAS NPL
List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).
Government Publication Date: Mar 1, 2021

Facility Registry Service/Facility Index: FINDS/FRS
The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).
Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program: TRIS
The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.
Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Oct 5, 2020

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Jun 25, 2021

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Jun 14, 2021

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 5, 2021

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 5, 2021

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: May 26, 2021

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 3, 2020

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Government Publication Date: Dec 18, 2020

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2006

Uranium Mill Tailings Radiation Control Act Sites: URANIUM

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Government Publication Date: Mar 4, 2017

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Jul 12, 2021

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Apr 13, 2021

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 19, 2020

State

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Feb 22, 2021

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Feb 22, 2021

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Feb 28, 2018

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

List of sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Jun 22, 2021

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Oct 22, 2020

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: May 20, 2021

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Apr 29, 2021

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Jun 14, 2021

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 21, 2021

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Hazardous Waste Manifest Data: HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 24, 2016

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

DTSC Registered Hazardous Waste Transporters: HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

Government Publication Date: Oct 19, 2020

Registered Waste Tire Haulers: WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Dec 16, 2020

California Medical Waste Management Program Facility List: MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

Government Publication Date: Dec 31, 2020

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Feb 16, 2012

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Feb 9, 2021

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Jun 22, 2021

Mines Listing: MINE

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

Government Publication Date: Jan 12, 2021

Recorded Environmental Cleanup Liens: LIEN

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

Government Publication Date: Nov 16, 2020

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Jun 22, 2021

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2019

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jan 19, 2021

Tribal

No Tribal additional environmental record sources available for this State.

County

San Bernardino County - Medical Waste Facility List: MED WST SANBERN

This list of San Bernardino County medical waste facilities is maintained by the County of San Bernardino Department of Public Health Medical Waste Program. The Medical Waste Program regulates generators of medical waste based on the Medical Waste Management Act. The program inspects medical waste facilities, facilities with on-site medical waste treatment units, and common storage areas annually. This program also investigates complaints regarding mishandling of medical waste and facilities that may be operating without a valid health permit. Some facilities that may generate medical waste include hospitals, skilled nursing facilities, blood banks, and doctors, dental and veterinarian offices.

Government Publication Date: Dec 22, 2020

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		21083000634p
Date Completed:		August 30, 2021
Project Number:		5925
Project Property:		Ontario Airport Ontario Airport Ontario CA 91761
Coordinates:		
	Latitude:	34.05140938
	Longitude:	-117.60419571
	UTM Northing:	3768020.80537 Meters
	UTM Easting:	444237.082285 Meters
	UTM Zone:	UTM Zone 11S
	Elevation:	909.40 ft
	Slope Direction:	SSE

Topographic Information....2
Hydrologic Information....12
Geologic Information....15
Soil Information....17
Wells and Additional Sources....21
  Summary....26
  Detail Report....28
Radon Information....49
Appendix....50
Liability Notice....52

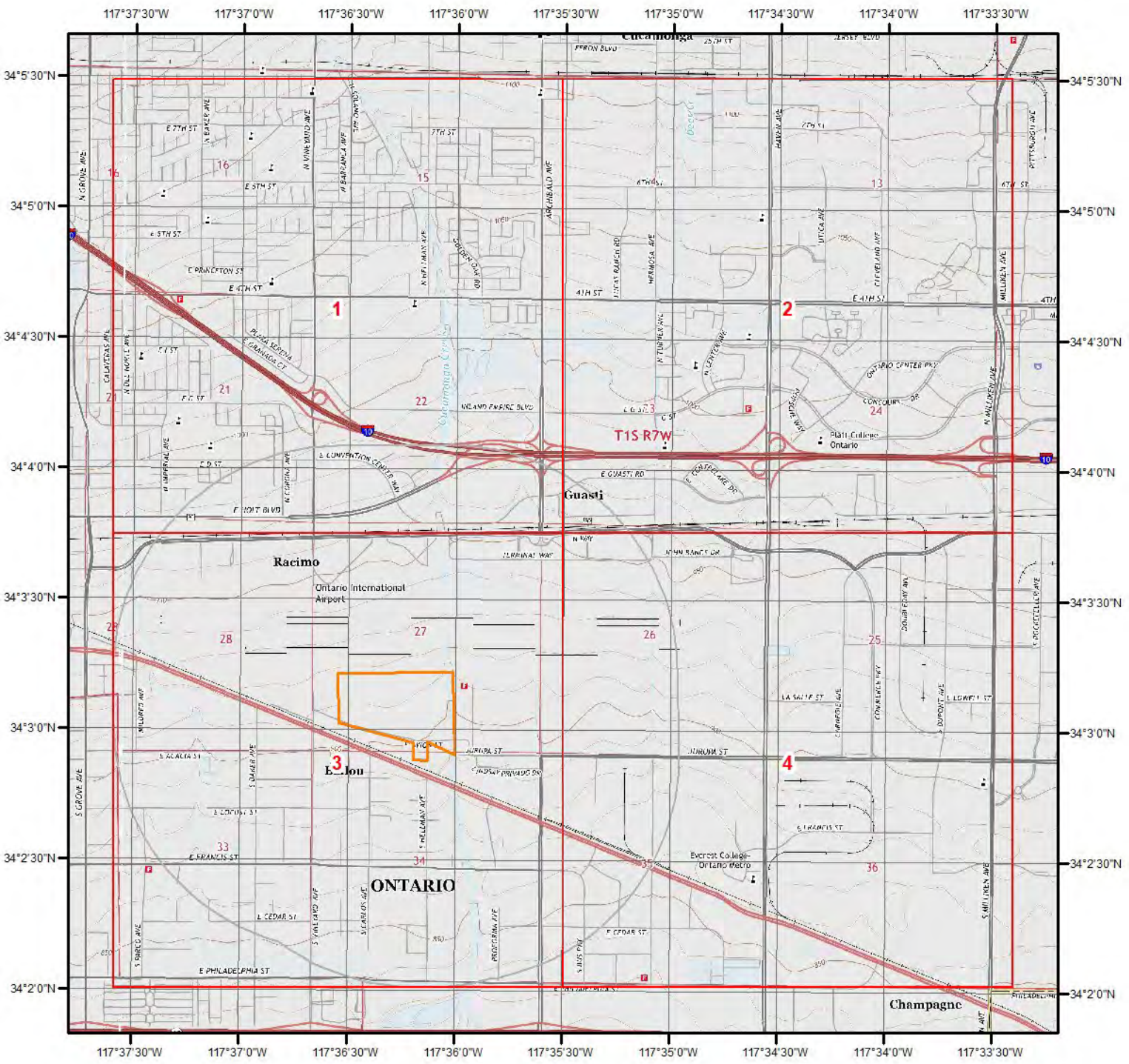
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2015)

0 0.2 0.4 0.8 1.2 1.6 Miles

N

Quadrangle(s): Corona North,CA; Cucamonga Peak,CA; Guasti,CA; Mount Baldy,CA; Ontario,CA; Prado Dam,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 1

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Guasti,CA; Ontario,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 2

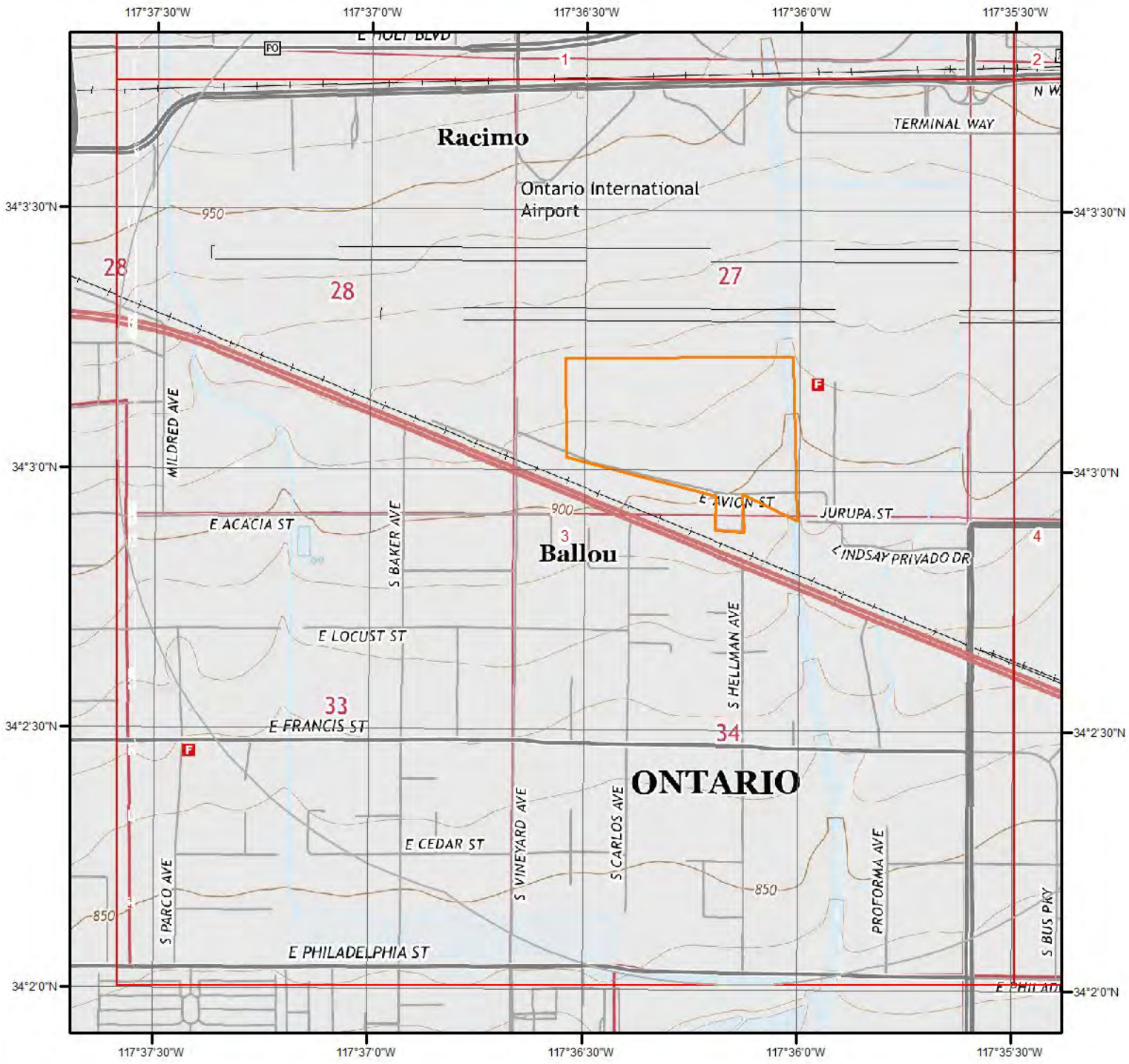
0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Guasti,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information

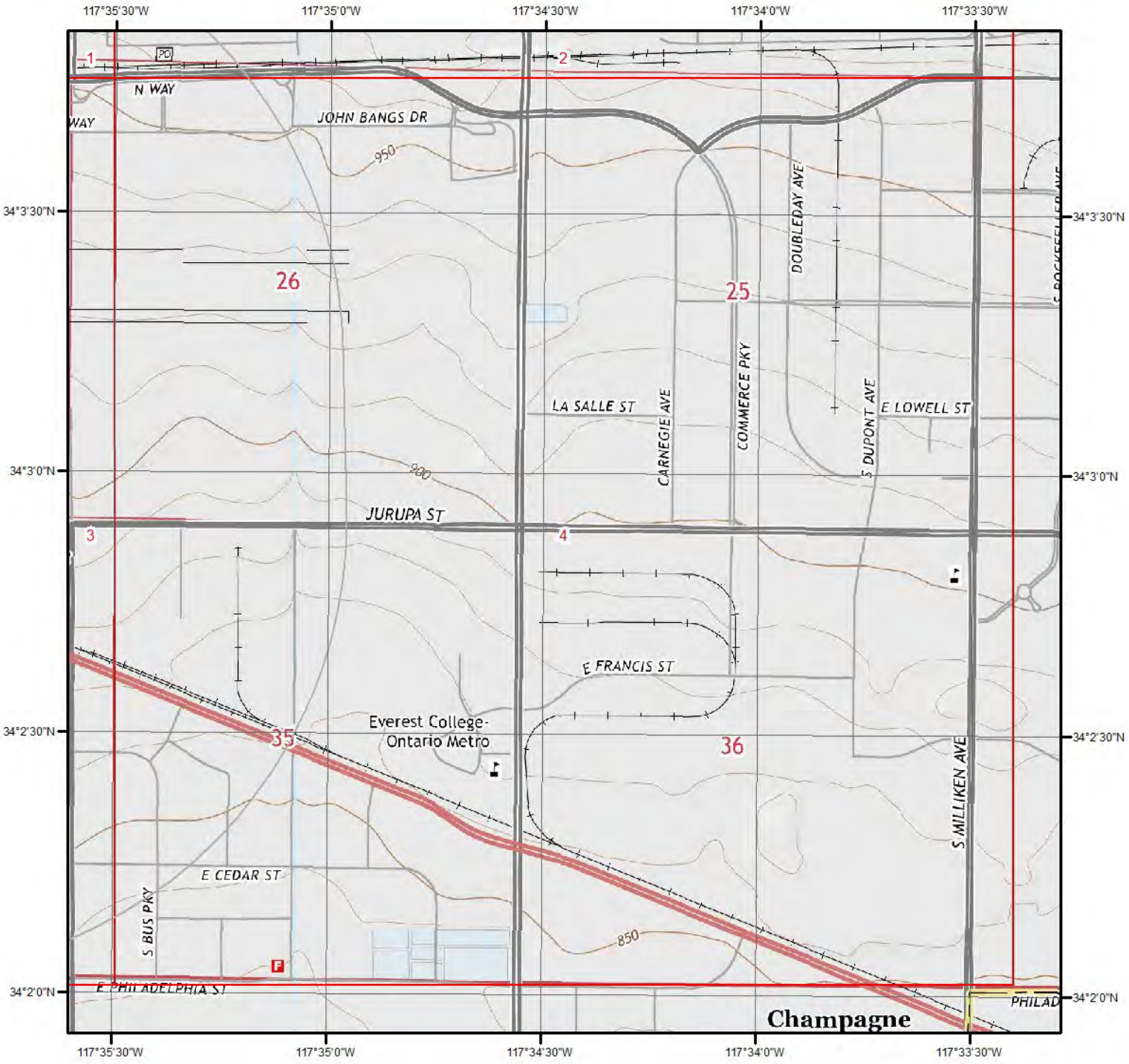


Current USGS Topo - Page 3

Quadrangle(s): Guasti,CA; Ontario,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 4

Quadrangle(s): Guasti,CA

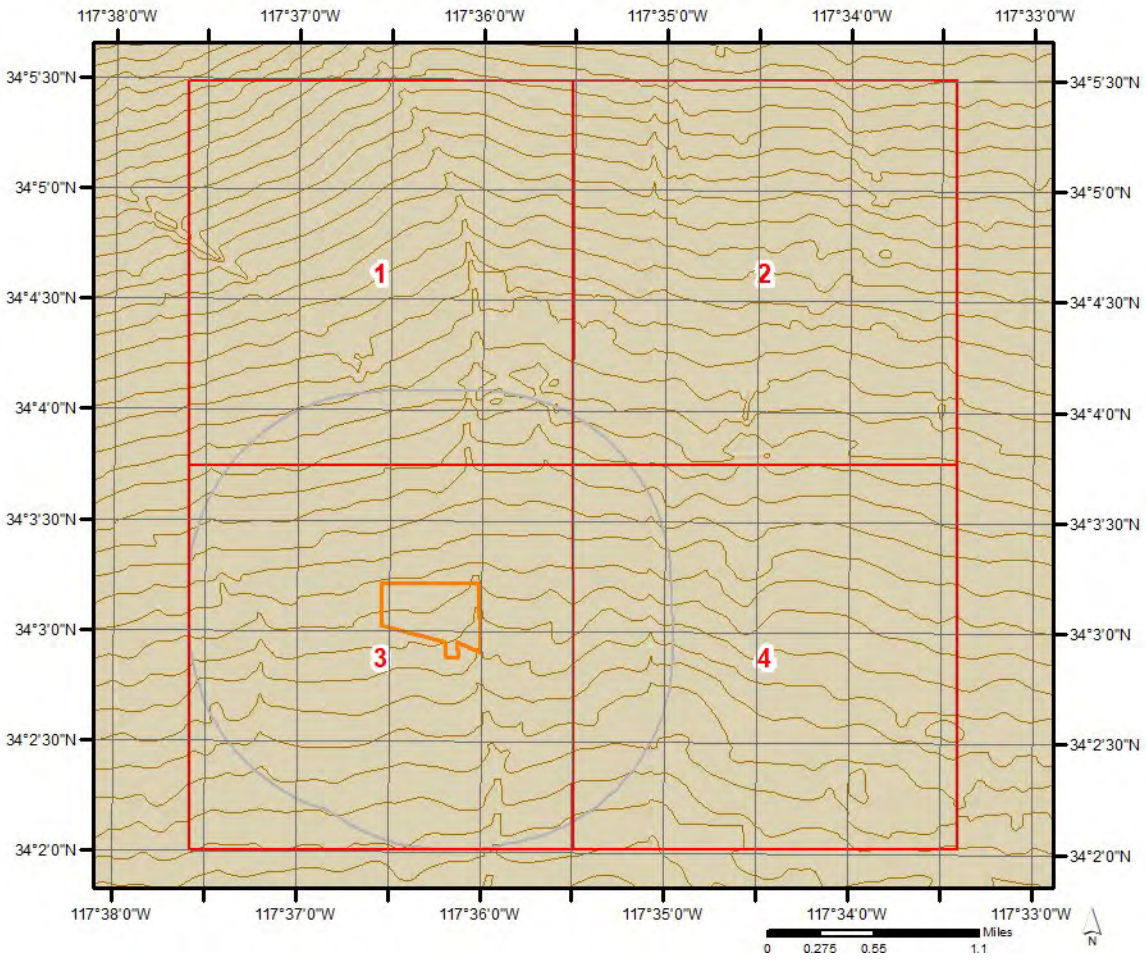
Source: USGS 7.5 Minute Topographic Map

Topographic Information

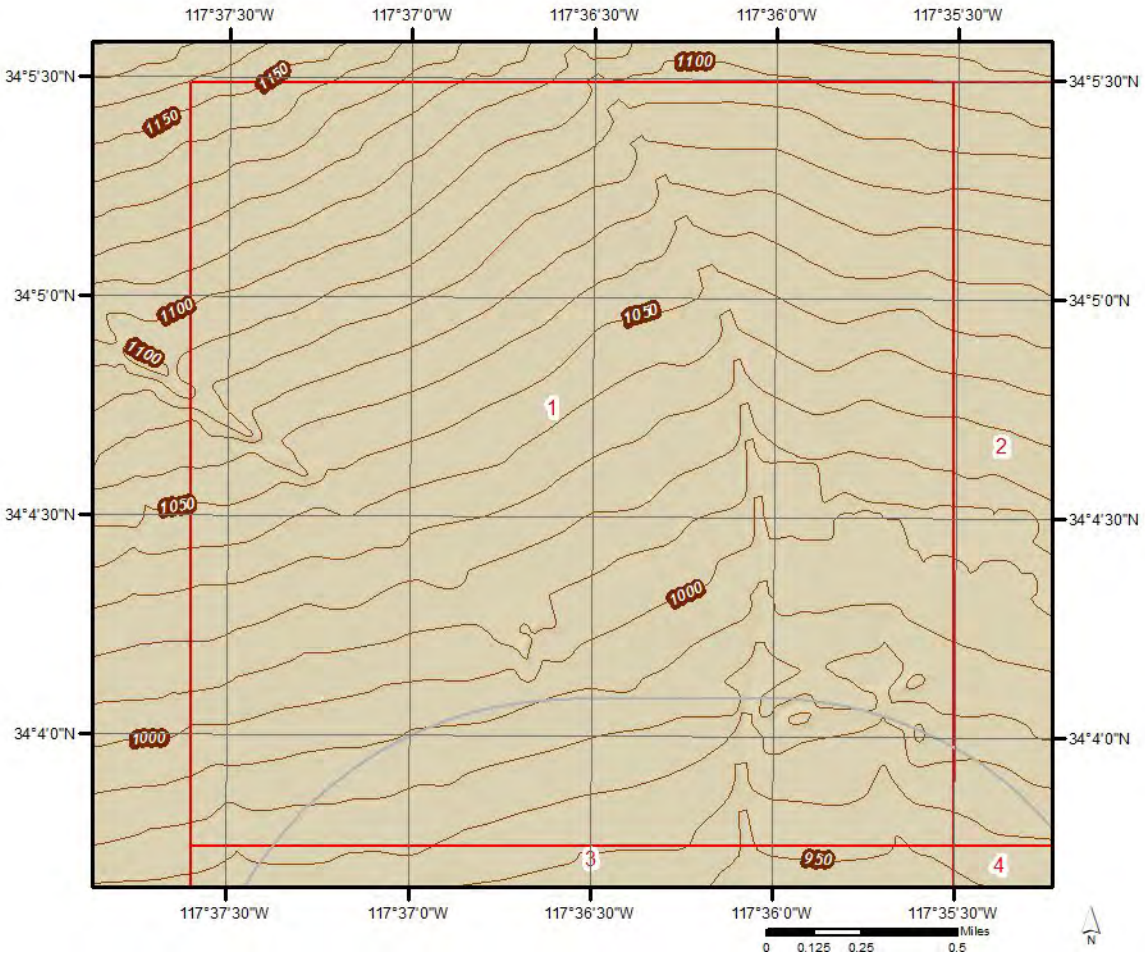
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

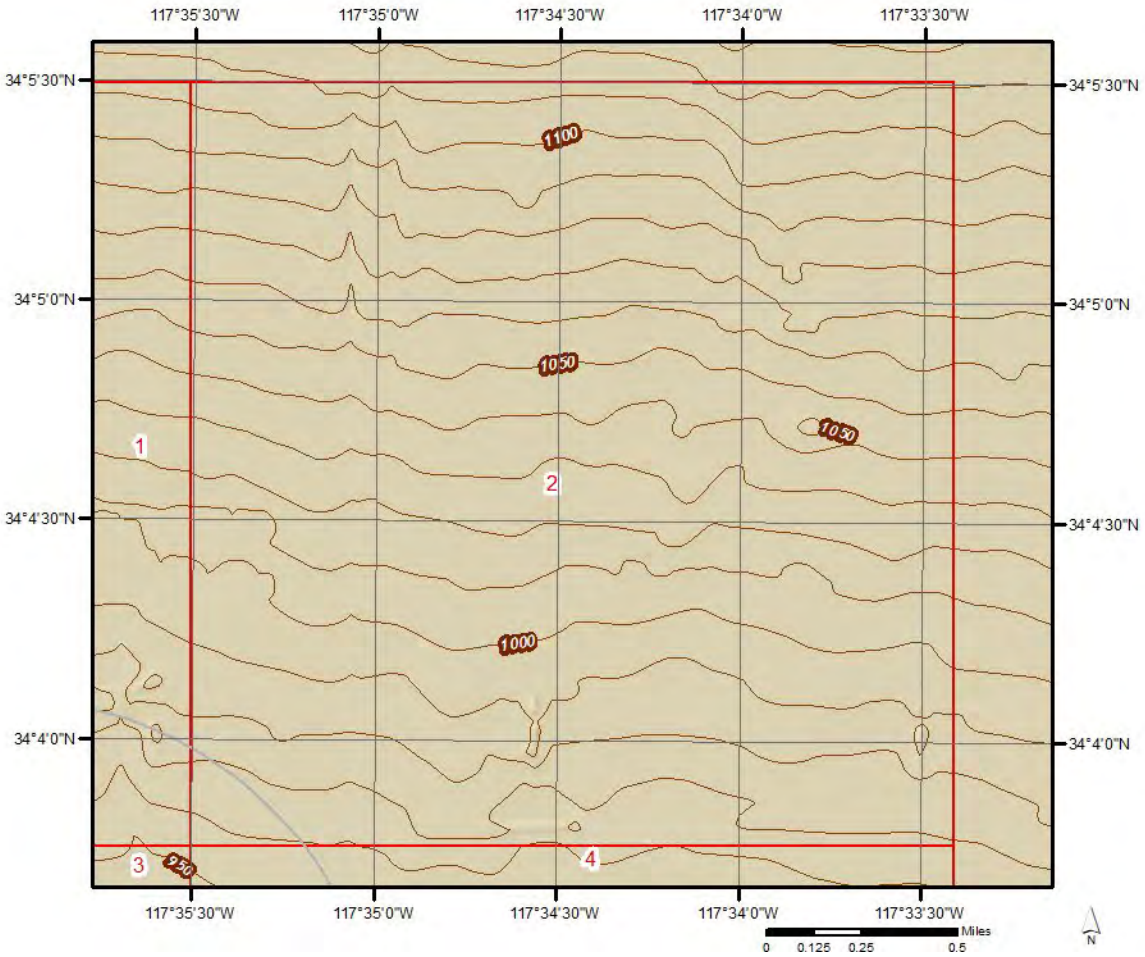
Elevation:	909.40 ft
Slope Direction:	SSE



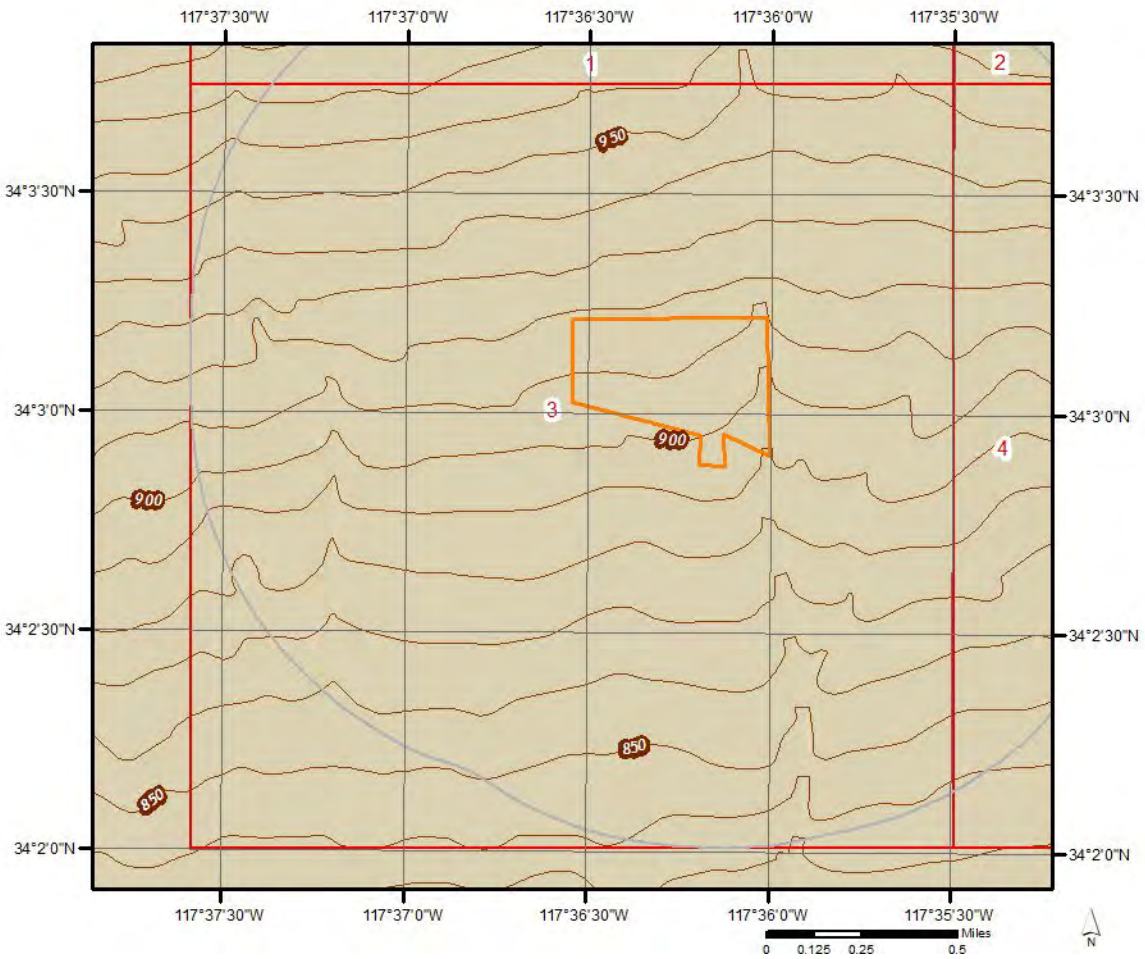
Topographic Information



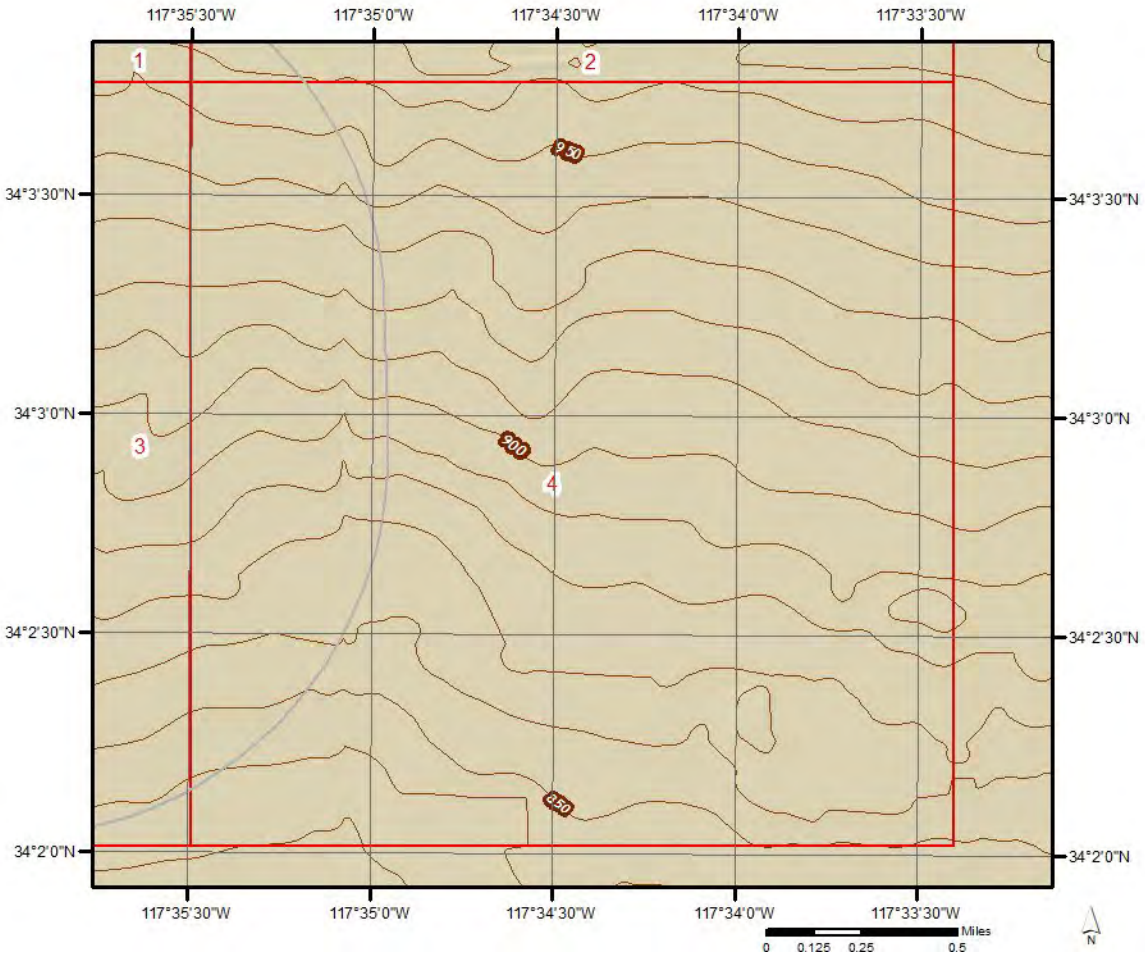
Topographic Information



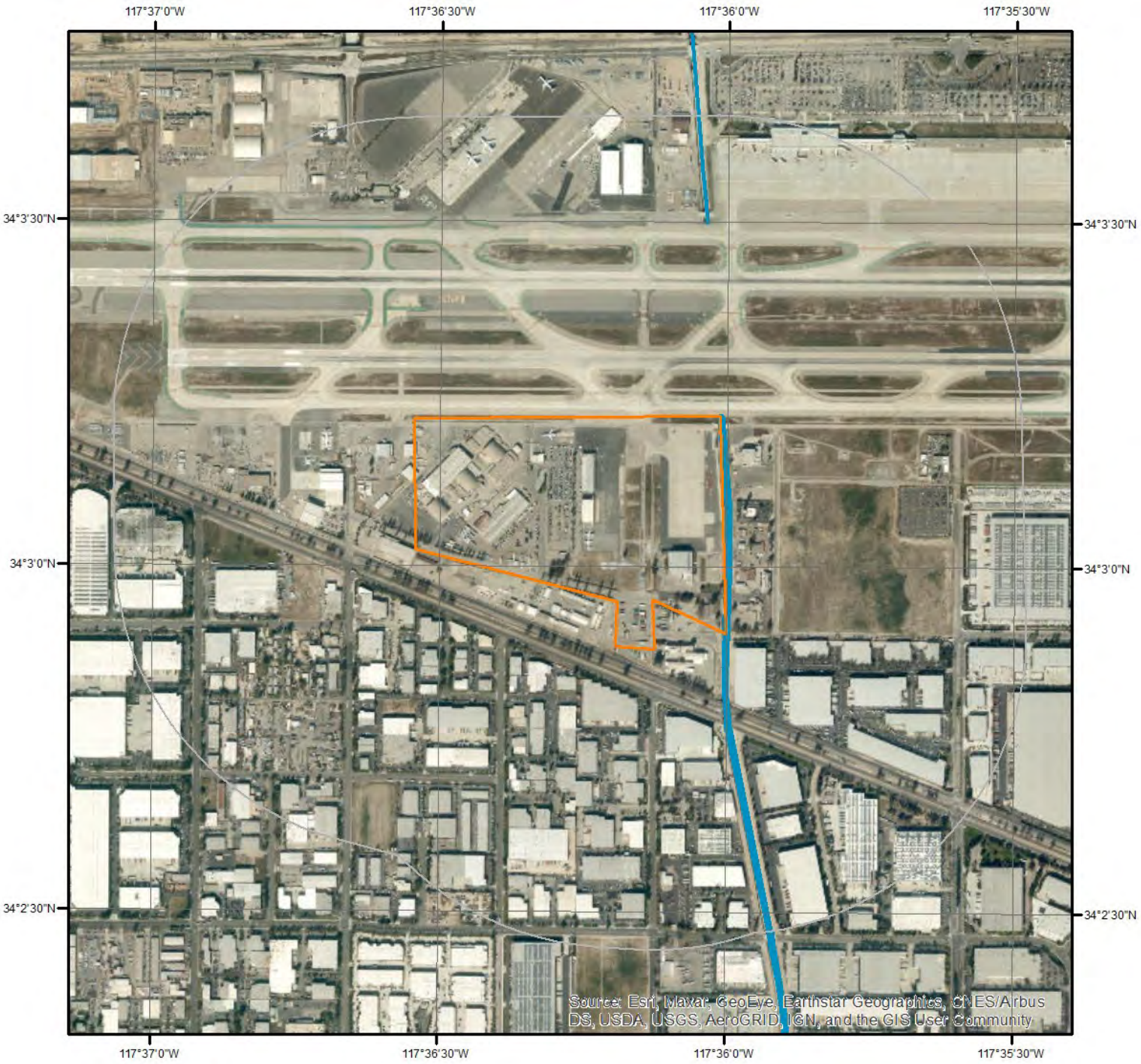
Topographic Information



Topographic Information



Hydrologic Information



Wetland

0 0.1 0.2 0.4 Miles

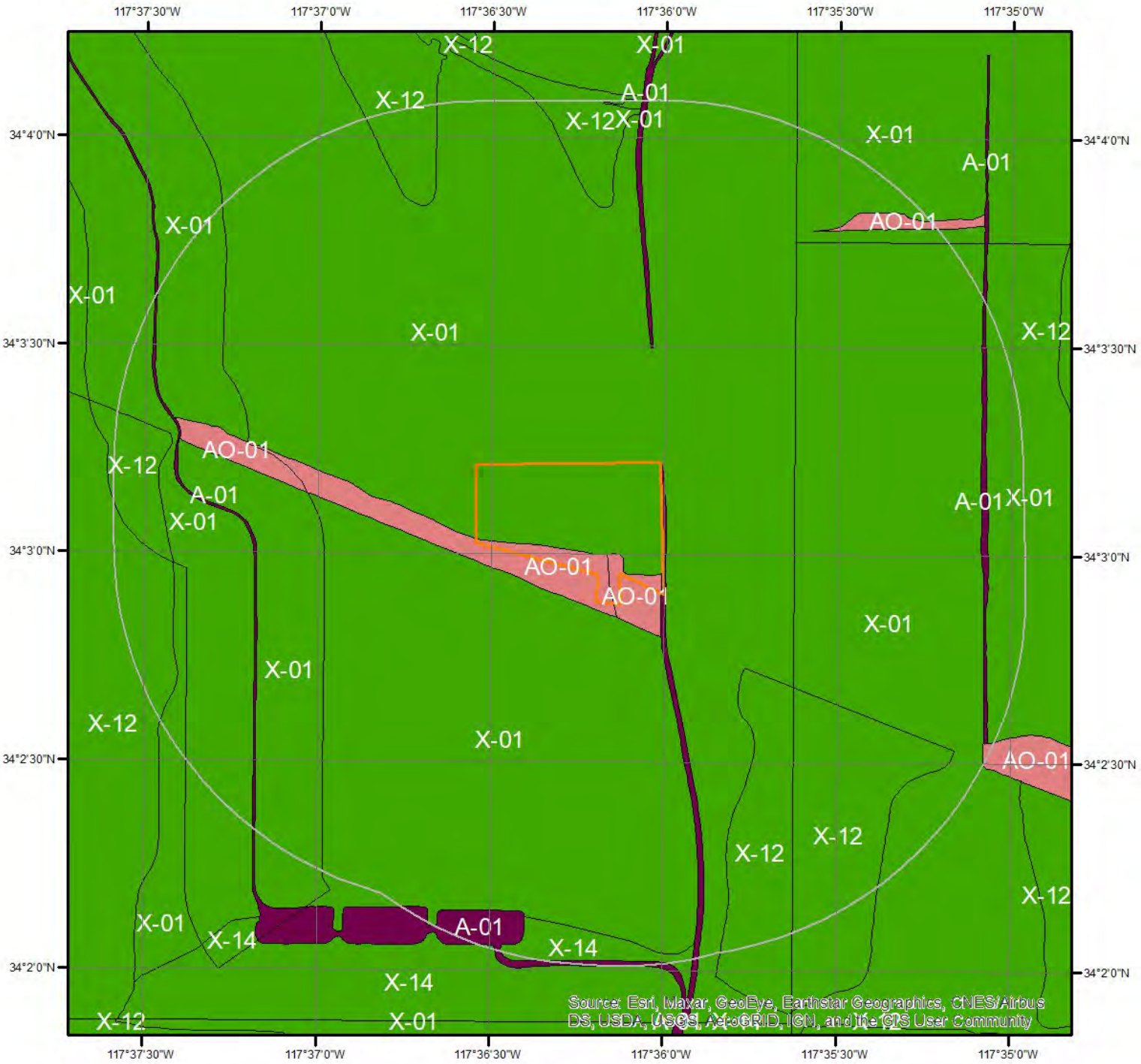
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Hydrologic Information

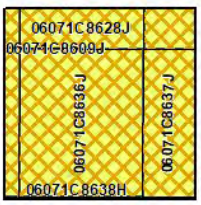


Flood Hazard Zones

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

N



A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.

Available FIRM Panels in area:	06037C1750F(effective:2008-09-26) 06071C8629H(effective:2008-08-28) 06071C8628J(effective:2015-02-18) 06071C8617J(effective:2015-02-18) 06071C8636J(effective:2015-02-18) 06071C8637J(effective:2016-09-02)

Flood Zone A-01

Zone:	A
Zone subtype:	

Flood Zone AO-01

Zone:	AO
Zone subtype:	

Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

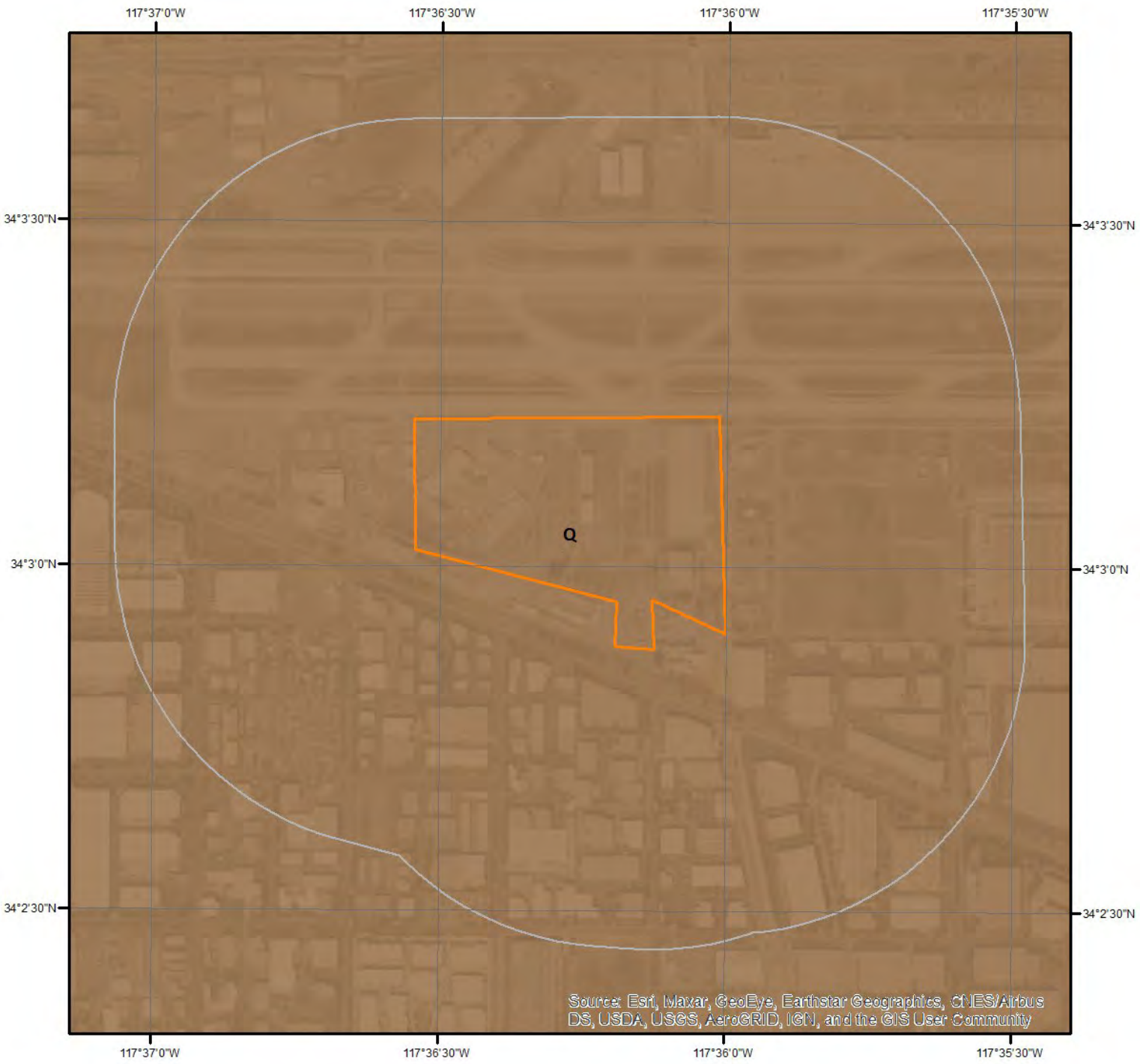
Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Flood Zone X-14

Zone:	X
Zone subtype:	AREA WITH REDUCED FLOOD RISK DUE TO LEVEE

Geologic Information



0 0.2 0.4 Miles

N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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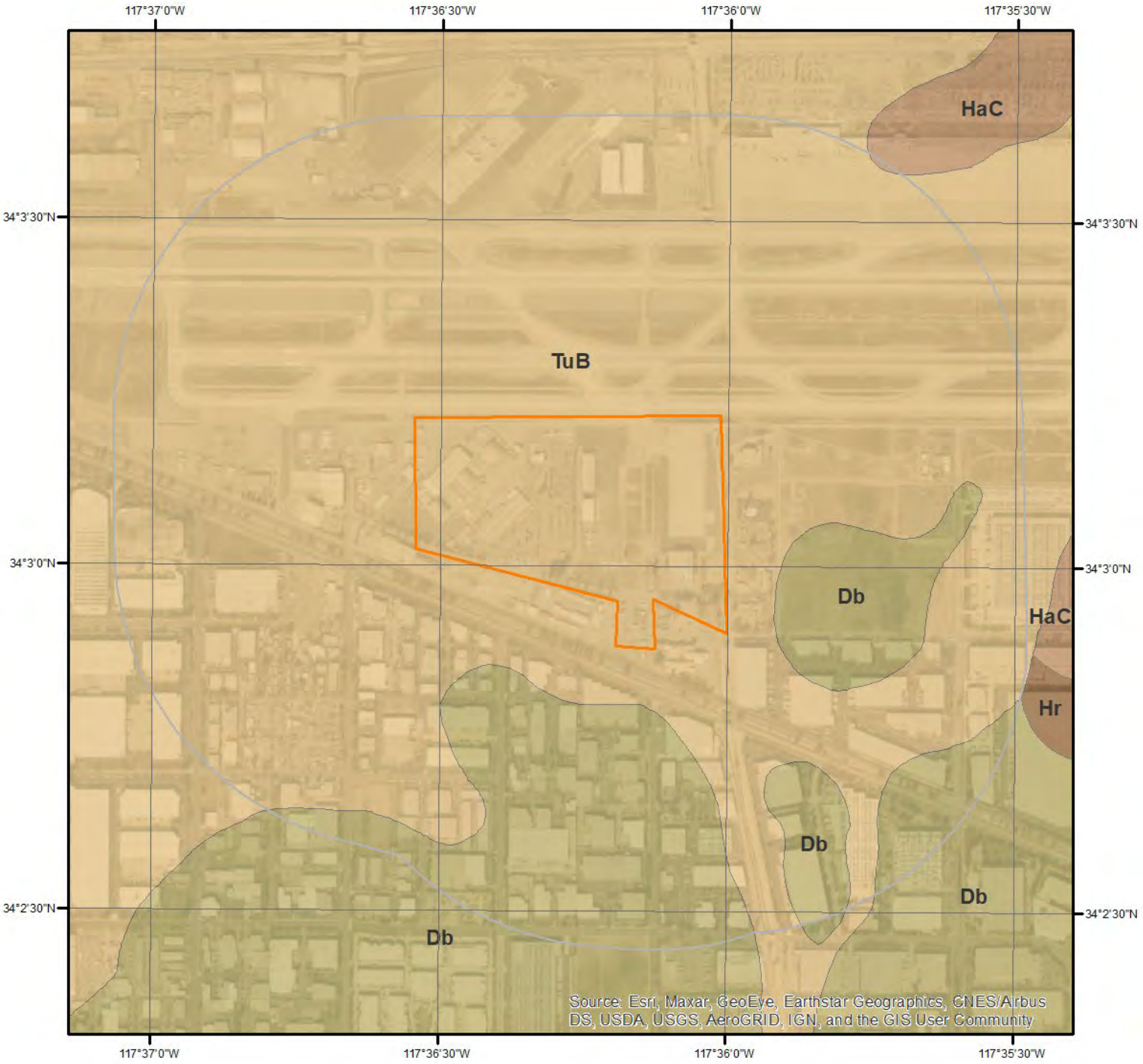
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Q

Unit Name:	Quaternary alluvium and marine deposits
Unit Age:	Pliocene to Holocene
Primary Rock Type:	alluvium
Secondary Rock Type:	terrace
Unit Description:	Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.

Soil Information



SSURGO Soils

0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

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Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit Db (40.01%)

Map Unit Name:	Delhi fine sand
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Delhi(85%)

horizon H1(0cm to 46cm)	Fine sand
horizon H2(46cm to 152cm)	Sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Db - Delhi fine sand

Component: Delhi (85%)
The Delhi component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans. The parent material consists of sandy alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Unnamed (5%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Unnamed (5%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Tujunga (5%)
Generated brief soil descriptions are created for major soil components. The Tujunga soil is a minor component.

Map Unit HaC (0.12%)

Map Unit Name:	Hanford coarse sandy loam, 2 to 9 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hanford(85%)

horizon H1(0cm to 30cm)	Sandy loam
horizon H2(30cm to 152cm)	Coarse sandy loam
horizon H2(30cm to 152cm)	Fine sandy loam
horizon H2(30cm to 152cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: HaC - Hanford coarse sandy loam, 2 to 9 percent slopes

Component: Hanford (85%)
The Hanford component makes up 85 percent of the map unit. Slopes are 2 to 9 percent. This component is on alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Greenfield (10%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Component: Tujunga (5%)
Generated brief soil descriptions are created for major soil components. The Tujunga soil is a minor component.

Map Unit Hr (0.04%)

Map Unit Name:	Hilmar loamy fine sand
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Hilmar(85%)

horizon A(0cm to 33cm)	Loamy fine sand
horizon C1(33cm to 41cm)	Loamy sand
horizon C2(41cm to 58cm)	Loamy sand
horizon 2C3(58cm to 152cm)	Stratified loamy sand to loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Hr - Hilmar loamy fine sand

Component: Hilmar (85%)
The Hilmar component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans, alluvial plains. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4w. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. The soil has a slightly saline horizon within 30 inches of the soil surface.

Component: Delhi (10%)
Generated brief soil descriptions are created for major soil components. The Delhi soil is a minor component.

Component: Tujunga (5%)
Generated brief soil descriptions are created for major soil components. The Tujunga soil is a minor component.

Map Unit TuB (59.83%)

Map Unit Name:	Tujunga loamy sand, 0 to 5 percent slopes

Soil Information

Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Tujunga(85%)

horizon A(0cm to 15cm)	Loamy sand
horizon C1(15cm to 46cm)	Loamy sand
horizon C2(46cm to 152cm)	Loamy sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: TuB - Tujunga loamy sand, 0 to 5 percent slopes

Component: Tujunga (85%)
The Tujunga, loamy sand component makes up 85 percent of the map unit. Slopes are 0 to 5 percent. This component is on alluvial fans, alluvial plains. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Tujunga (10%)
Generated brief soil descriptions are created for major soil components. The Tujunga soil is a minor component.

Component: Hanford (5%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Wells and Additional Sources



Wells & Additional Sources

N

0 0.3 0.6 1.2 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

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Wells and Additional Sources



Wells & Additional Sources - Page 1

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 2

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 3

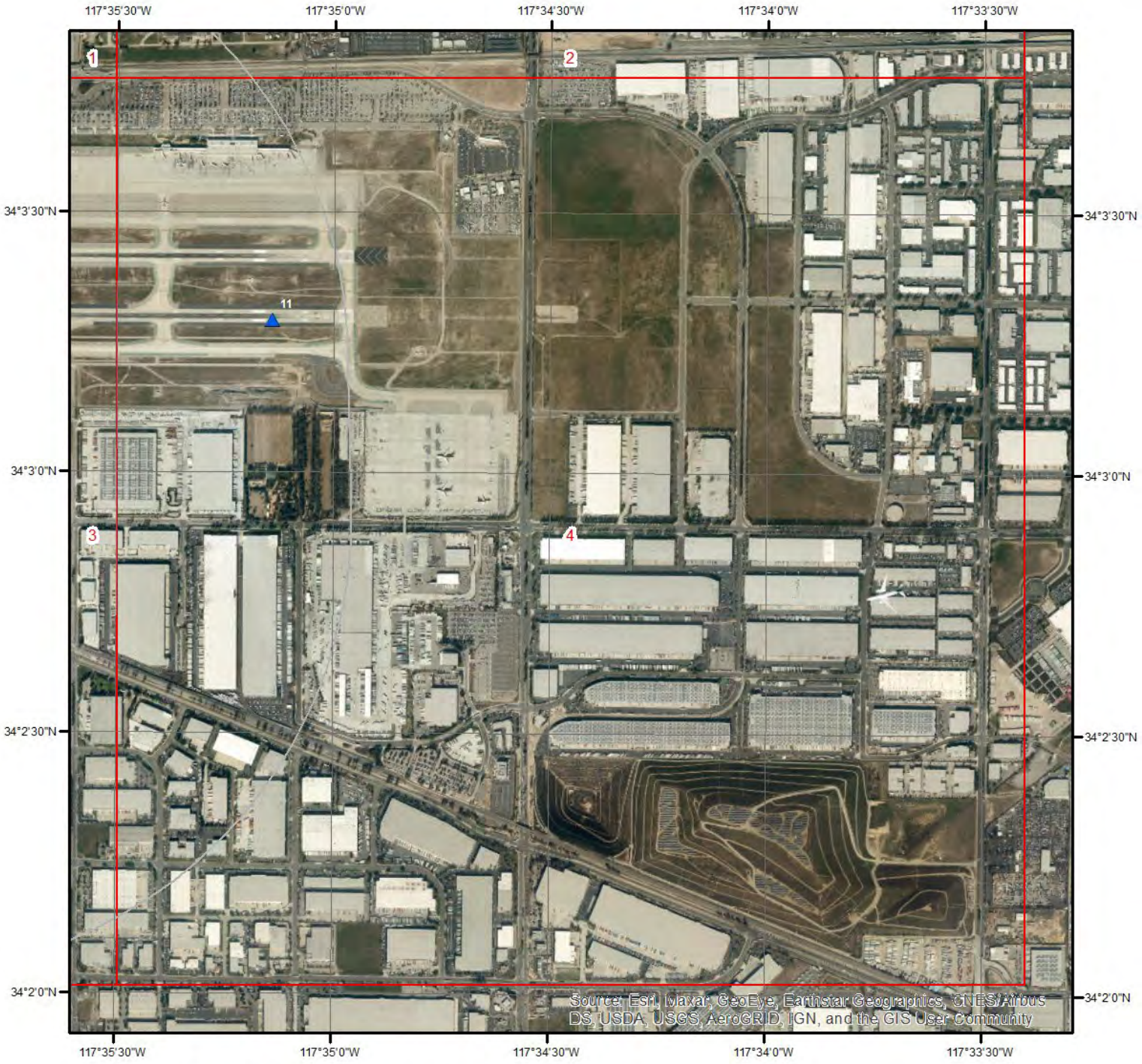
N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 4

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
	No records found		

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	Monitoring Loc Identifier	Distance (ft)	Direction
4	USGS-340254117353901	1506.40	ESE
5	USGS-340301117365201	1908.89	W
8	USGS-340344117362601	3153.22	NNW
13	USGS-340321117372801	4993.34	WNW
14	USGS-11073494	5106.23	SSW

State Sources

Oil and Gas Wells

Map Key	API No	Distance (ft)	Direction
11	0407100030	4429.73	ENE

Periodic Groundwater Level Measurement Locations

Map Key	ID	Distance (ft)	Direction
	No records found		

Well Completion Reports

Map Key	WCR No	Distance (ft)	Direction
1	WCR2019-011129	122.52	SSE
2	WCR2019-011133	144.40	SSE
3	WCR0133441	809.60	NNE
3	WCR0307249	809.60	NNE
3	WCR2000-011110	809.60	NNE
3	WCR2000-013022	809.60	NNE
3	WCR2000-013023	809.60	NNE
3	WCR2000-011111	809.60	NNE
3	WCR2001-012614	809.60	NNE
6	WCR1952-001536	2462.67	S
6	WCR1955-001970	2462.67	S
6	WCR1986-011570	2462.67	S
6	WCR1942-000331	2462.67	S

Wells and Additional Sources Summary

6	WCR1952-001537	2462.67	S
6	WCR1963-001570	2462.67	S
6	WCR2014-012241	2462.67	S
6	WCR2014-012238	2462.67	S
6	WCR1992-017051	2462.67	S
6	WCR1995-011835	2462.67	S
6	WCR1995-011837	2462.67	S
6	WCR1995-011836	2462.67	S
6	WCR2014-012244	2462.67	S
6	WCR2014-012239	2462.67	S
6	WCR2014-012242	2462.67	S
6	WCR2014-012240	2462.67	S
6	WCR1963-001849	2462.67	S
6	WCR2014-012237	2462.67	S
6	WCR1996-010541	2462.67	S
6	WCR2014-012243	2462.67	S
6	WCR1996-011263	2462.67	S
7	WCR2019-012687	2944.98	SW
9	WCR1995-012413	3389.67	WNW
9	WCR0061946	3389.67	WNW
9	WCR1966-002252	3389.67	WNW
9	WCR0294832	3389.67	WNW
9	WCR0077736	3389.67	WNW
9	WCR1958-001360	3389.67	WNW
9	WCR2005-011527	3389.67	WNW
9	WCR2013-010752	3389.67	WNW
10	WCR2019-005164	3400.01	SSE
12	WCR1926-000103	4644.46	SW
12	WCR2008-009685	4644.46	SW
12	WCR0138983	4644.46	SW
12	WCR1999-011334	4644.46	SW
12	WCR1999-011492	4644.46	SW
12	WCR1997-010434	4644.46	SW
12	WCR1999-011493	4644.46	SW
12	WCR2008-009684	4644.46	SW
12	WCR1998-009699	4644.46	SW
12	WCR2006-013263	4644.46	SW
12	WCR1999-011491	4644.46	SW
12	WCR2008-009683	4644.46	SW
12	WCR1988-018070	4644.46	SW
12	WCR1999-011333	4644.46	SW

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	ESE	0.29	1,506.40	891.58	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	536	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SAN BERNARDINO
Construction Date:		Latitude:	34.048345
Source Map Scale:	24000	Longitude:	-117.5950526
Monitoring Loc Name:	001S007W34A001S		
Monitoring Loc Identifier:	USGS-340254117353901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070203		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	W	0.36	1,908.89	909.99	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	631	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SAN BERNARDINO

Construction Date:		Latitude:	34.0502893
Source Map Scale:	24000	Longitude:	-117.6153309
Monitoring Loc Name:	001S007W28R002S		
Monitoring Loc Identifier:	USGS-340301117365201		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070203		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	NNW	0.60	3,153.22	960.54	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	496	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SAN BERNARDINO
Construction Date:		Latitude:	34.0622335
Source Map Scale:	24000	Longitude:	-117.6081086
Monitoring Loc Name:	001S007W27D001S		
Monitoring Loc Identifier:	USGS-340344117362601		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070203		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	
Vertical Measure Unit:	
Vertical Accuracy:	
Vertical Accuracy Unit:	
Vertical Collection Mthd:	
Vert Coord Refer System:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	WNW	0.95	4,993.34	940.24	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	1100	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SAN BERNARDINO
Construction Date:		Latitude:	34.0558447
Source Map Scale:	24000	Longitude:	-117.6253312
Monitoring Loc Name:	001S007W28M002S		
Monitoring Loc Identifier:	USGS-340321117372801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070203		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SSW	0.97	5,106.23	846.83	FED USGS

Wells and Additional Sources Detail Report

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SAN BERNARDINO
Construction Date:		Latitude:	34.0355676
Source Map Scale:	24000	Longitude:	-117.6108863
Monitoring Loc Name:	ELY PERC BASIN 3 A ONTARIO CA		
Monitoring Loc Identifier:	USGS-11073494		
Monitoring Loc Type:	Stream		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070203		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	824		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Oil and Gas Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	ENE	0.84	4,429.73	921.87	OGW

API No:	0407100030	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	00426
Well No:	1	Operator Name:	Argyle Campbell & Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	DH	District:	Southern
Well Type Desc:	Dry Hole	Geo District:	
Well Symbol:	PluggedDH	Field Code:	
Well Sym Desc:		Field Name:	Any Field
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Wells and Additional Sources Detail Report

Abandoned Date:		County Name:	San Bernardino
Lease Name:	Lease by Argyle Campbell & Co.	Section:	26
Elevation:		Township:	01S
Total Depth:		Range:	07W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	34.05487823
Confidential:		Long83:	-117.58565521
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SSE	0.02	122.52	893.55	WATER WELLS

WCR No:	WCR2019-011129	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.0476722
Decimal Lat(OSWCR):	34.0476722	Decimal Longitude:	-117.6021167
Decim Long(OSWCR):	-117.6021167		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	SSE	0.03	144.40	893.41	WATER WELLS

WCR No:	WCR2019-011133	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.047625
Decimal Lat(OSWCR):	34.047625	Decimal Longitude:	-117.601975
Decim Long(OSWCR):	-117.601975		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNE	0.15	809.60	925.03	WATER WELLS

WCR No:	WCR0133441	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.05585
Decimal Lat(OSWCR):	34.05585	Decimal Longitude:	-117.60221
Decim Long(OSWCR):	-117.60221		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNE	0.15	809.60	925.03	WATER WELLS

WCR No:	WCR0307249	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.05585
Decimal Lat(OSWCR):	34.05585	Decimal Longitude:	-117.60221
Decim Long(OSWCR):	-117.60221		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNE	0.15	809.60	925.03	WATER WELLS

WCR No:	WCR2000-011110	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.05585
Decimal Lat(OSWCR):	34.05585	Decimal Longitude:	-117.60221
Decim Long(OSWCR):	-117.60221		
Location(OSWCR):	ARCHIBALD, JURUPA		
City(OSWCR):	Ontario		
Location:	ARCHIBALD, JURUPA		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNE	0.15	809.60	925.03	WATER WELLS

WCR No:	WCR2000-013022	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.05585
Decimal Lat(OSWCR):	34.05585	Decimal Longitude:	-117.60221
Decim Long(OSWCR):	-117.60221		

Location(OSWCR): S Archibald Avenue & Jurupa Street
City(OSWCR): Ontario
Location: S Archibald Avenue & Jurupa Street
City: Ontario
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNE	0.15	809.60	925.03	WATER WELLS

WCR No: WCR2000-013023
County(OSWCR): San Bernardino
Decimal Lat(OSWCR): 34.05585
Decim Long(OSWCR): -117.60221
Location(OSWCR): S Archibald Avenue & Jurupa Street
City(OSWCR): Ontario
Location: S Archibald Avenue & Jurupa Street
City: Ontario
County: San Bernardino
Decimal Latitude: 34.05585
Decimal Longitude: -117.60221
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNE	0.15	809.60	925.03	WATER WELLS

WCR No: WCR2000-011111
County(OSWCR): San Bernardino
Decimal Lat(OSWCR): 34.05585
Decim Long(OSWCR): -117.60221
Location(OSWCR): ARCHIBALD, JURUPA
City(OSWCR): Ontario
Location: ARCHIBALD, JURUPA
City: Ontario
County: San Bernardino
Decimal Latitude: 34.05585
Decimal Longitude: -117.60221
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNE	0.15	809.60	925.03	WATER WELLS

WCR No: WCR2001-012614
County(OSWCR): San Bernardino
Decimal Lat(OSWCR): 34.05585
Decim Long(OSWCR): -117.60221
Location(OSWCR): Ontario Airport,
City(OSWCR): Ontario
Location: Ontario Airport,
City: Ontario
County: San Bernardino
Decimal Latitude: 34.05585
Decimal Longitude: -117.60221
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California

Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR1952-001536	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	ARCHIBALD, MISSION BLVD, ONTARIO		
City(OSWCR):	None		
Location:	ARCHIBALD, MISSION BLVD, ONTARIO		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR1955-001970	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR1986-011570	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	Archibald Avenue & Acacia Street		
City(OSWCR):	Ontario		
Location:	Archibald Avenue & Acacia Street		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR1942-000331	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	MISSION BLVD, ARCHIBALD AVE		
City(OSWCR):	None		
Location:	MISSION BLVD, ARCHIBALD AVE		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR1952-001537	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	ARCHIBALD, MISSION BLVD		
City(OSWCR):	None		
Location:	ARCHIBALD, MISSION BLVD		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR1963-001570	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	Highway 60		
City(OSWCR):	None		
Location:	Highway 60		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR2014-012241	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		

Location(OSWCR): 2264 Avion Place
City(OSWCR): Ontario
Location: 2264 Avion Place
City: Ontario
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No: WCR2014-012238
County: San Bernardino
County(OSWCR): San Bernardino
Decimal Latitude: 34.04124
Decimal Lat(OSWCR): 34.04124
Decimal Longitude: -117.60223
Decim Long(OSWCR): -117.60223
Location(OSWCR): 2264 Avion Place
City(OSWCR): Ontario
Location: 2264 Avion Place
City: Ontario
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No: WCR1992-017051
County: San Bernardino
County(OSWCR): San Bernardino
Decimal Latitude: 34.04124
Decimal Lat(OSWCR): 34.04124
Decimal Longitude: -117.60223
Decim Long(OSWCR): -117.60223
Location(OSWCR): FRANCIS, MISSION
City(OSWCR): Ontario
Location: FRANCIS, MISSION
City: Ontario
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No: WCR1995-011835
County: San Bernardino
County(OSWCR): San Bernardino
Decimal Latitude: 34.04124
Decimal Lat(OSWCR): 34.04124
Decimal Longitude: -117.60223
Decim Long(OSWCR): -117.60223
Location(OSWCR): LA DEPT OF AIRPORTS
City(OSWCR): Ontario
Location: LA DEPT OF AIRPORTS
City: Ontario
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California

Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR1995-011837	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	UPRR RGHT OF WAY		
City(OSWCR):	Ontario		
Location:	UPRR RGHT OF WAY		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR1995-011836	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	MISSION BLVD RGT OF WAY		
City(OSWCR):	Ontario		
Location:	MISSION BLVD RGT OF WAY		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR2014-012244	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	2264 Avion Place		
City(OSWCR):	Ontario		
Location:	2264 Avion Place		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR2014-012239	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	2264 Avion Place		
City(OSWCR):	Ontario		
Location:	2264 Avion Place		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR2014-012242	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	2264 Avion Place		
City(OSWCR):	Ontario		
Location:	2264 Avion Place		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR2014-012240	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	2264 Avion Place		
City(OSWCR):	Ontario		
Location:	2264 Avion Place		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR1963-001849	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		

Location(OSWCR):	Highway 60
City(OSWCR):	Ontario
Location:	Highway 60
City:	Ontario
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR2014-012237	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	2264 Avion Place		
City(OSWCR):	Ontario		
Location:	2264 Avion Place		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR1996-010541	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	CARLOS AVE, 250'S OF MISSION		
City(OSWCR):	Ontario		
Location:	CARLOS AVE, 250'S OF MISSION		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR2014-012243	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	2264 Avion Place		
City(OSWCR):	Ontario		
Location:	2264 Avion Place		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California		

Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.47	2,462.67	866.23	WATER WELLS

WCR No:	WCR1996-011263	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04124
Decimal Lat(OSWCR):	34.04124	Decimal Longitude:	-117.60223
Decim Long(OSWCR):	-117.60223		
Location(OSWCR):	E Francis Street & S Carlos Avenue		
City(OSWCR):	Ontario		
Location:	E Francis Street & S Carlos Avenue		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SW	0.56	2,944.98	877.43	WATER WELLS

WCR No:	WCR2019-012687	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.0430615
Decimal Lat(OSWCR):	34.0430615	Decimal Longitude:	-117.6131343
Decim Long(OSWCR):	-117.6131343		
Location(OSWCR):	1652 S. Sacramento AVE		
City(OSWCR):	Ontario		
Location:	1652 S. Sacramento AVE		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	WNW	0.64	3,389.67	939.10	WATER WELLS

WCR No:	WCR1995-012413	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.05595
Decimal Lat(OSWCR):	34.05595	Decimal Longitude:	-117.61989
Decim Long(OSWCR):	-117.61989		
Location(OSWCR):	Southwest corner of Baker Street & Missi		
City(OSWCR):	Ontario		
Location:	Southwest corner of Baker Street & Missi		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	WNW	0.64	3,389.67	939.10	WATER WELLS

WCR No:	WCR0061946	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.05595
Decimal Lat(OSWCR):	34.05595	Decimal Longitude:	-117.61989
Decim Long(OSWCR):	-117.61989		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	WNW	0.64	3,389.67	939.10	WATER WELLS

WCR No:	WCR1966-002252	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.05595
Decimal Lat(OSWCR):	34.05595	Decimal Longitude:	-117.61989
Decim Long(OSWCR):	-117.61989		
Location(OSWCR):	BAKER AVE, MISSION BLVD		
City(OSWCR):	None		
Location:	BAKER AVE, MISSION BLVD		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	WNW	0.64	3,389.67	939.10	WATER WELLS

WCR No:	WCR0294832	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.05595
Decimal Lat(OSWCR):	34.05595	Decimal Longitude:	-117.61989
Decim Long(OSWCR):	-117.61989		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	WNW	0.64	3,389.67	939.10	WATER WELLS

WCR No:	WCR0077736	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.05595
Decimal Lat(OSWCR):	34.05595	Decimal Longitude:	-117.61989
Decim Long(OSWCR):	-117.61989		

Location(OSWCR):	None
City(OSWCR):	None
Location:	None
City:	None
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	WNW	0.64	3,389.67	939.10	WATER WELLS

WCR No:	WCR1958-001360	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.05595
Decimal Lat(OSWCR):	34.05595	Decimal Longitude:	-117.61989
Decim Long(OSWCR):	-117.61989		
Location(OSWCR):	GROVE AVE, UNION PACIFIC RR TRACKS		
City(OSWCR):	None		
Location:	GROVE AVE, UNION PACIFIC RR TRACKS		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	WNW	0.64	3,389.67	939.10	WATER WELLS

WCR No:	WCR2005-011527	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.05595
Decimal Lat(OSWCR):	34.05595	Decimal Longitude:	-117.61989
Decim Long(OSWCR):	-117.61989		
Location(OSWCR):	Airport Drive & Grove Avenue		
City(OSWCR):	Ontario		
Location:	Airport Drive & Grove Avenue		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	WNW	0.64	3,389.67	939.10	WATER WELLS

WCR No:	WCR2013-010752	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.05595
Decimal Lat(OSWCR):	34.05595	Decimal Longitude:	-117.61989
Decim Long(OSWCR):	-117.61989		
Location(OSWCR):	1300 S Baker Avenue		
City(OSWCR):	Ontario		
Location:	1300 S Baker Avenue		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California		

Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SSE	0.64	3,400.01	854.68	WATER WELLS

WCR No:	WCR2019-005164	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.039186
Decimal Lat(OSWCR):	34.039186	Decimal Longitude:	-117.598082
Decim Long(OSWCR):	-117.598082		
Location(OSWCR):	Philadelphia Street & S. Proforma Street		
City(OSWCR):	Ontario		
Location:	Philadelphia Street & S. Proforma Street		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No:	WCR1926-000103	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04132
Decimal Lat(OSWCR):	34.04132	Decimal Longitude:	-117.61981
Decim Long(OSWCR):	-117.61981		
Location(OSWCR):	FRANCES ST, GROVE ST		
City(OSWCR):	None		
Location:	FRANCES ST, GROVE ST		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No:	WCR2008-009685	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04132
Decimal Lat(OSWCR):	34.04132	Decimal Longitude:	-117.61981
Decim Long(OSWCR):	-117.61981		
Location(OSWCR):	1652 Sacramento Avenue		
City(OSWCR):	Ontario		
Location:	1652 Sacramento Avenue		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No:	WCR0138983	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04132
Decimal Lat(OSWCR):	34.04132	Decimal Longitude:	-117.61981
Decim Long(OSWCR):	-117.61981		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No:	WCR1999-011334	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04132
Decimal Lat(OSWCR):	34.04132	Decimal Longitude:	-117.61981
Decim Long(OSWCR):	-117.61981		
Location(OSWCR):	Southeast corner of Parco & Acacia		
City(OSWCR):	Ontario		
Location:	Southeast corner of Parco & Acacia		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No:	WCR1999-011492	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04132
Decimal Lat(OSWCR):	34.04132	Decimal Longitude:	-117.61981
Decim Long(OSWCR):	-117.61981		
Location(OSWCR):	NW corner of E Philadelphia Street & S V		
City(OSWCR):	Ontario		
Location:	NW corner of E Philadelphia Street & S V		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No:	WCR1997-010434	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04132
Decimal Lat(OSWCR):	34.04132	Decimal Longitude:	-117.61981
Decim Long(OSWCR):	-117.61981		

Location(OSWCR): BAKER AND ACACIA
City(OSWCR): Ontario
Location: BAKER AND ACACIA
City: Ontario
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No: WCR1999-011493
County: San Bernardino
County(OSWCR): San Bernardino
Decimal Latitude: 34.04132
Decimal Lat(OSWCR): 34.04132
Decimal Longitude: -117.61981
Decim Long(OSWCR): -117.61981
Location(OSWCR): NE corner of E Philadelphia Street & S V
City(OSWCR): Ontario
Location: NE corner of E Philadelphia Street & S V
City: Ontario
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No: WCR2008-009684
County: San Bernardino
County(OSWCR): San Bernardino
Decimal Latitude: 34.04132
Decimal Lat(OSWCR): 34.04132
Decimal Longitude: -117.61981
Decim Long(OSWCR): -117.61981
Location(OSWCR): 1652 Sacramento Avenue
City(OSWCR): Ontario
Location: 1652 Sacramento Avenue
City: Ontario
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No: WCR1998-009699
County: San Bernardino
County(OSWCR): San Bernardino
Decimal Latitude: 34.04132
Decimal Lat(OSWCR): 34.04132
Decimal Longitude: -117.61981
Decim Long(OSWCR): -117.61981
Location(OSWCR): 2057 S GROVE
City(OSWCR): Ontario
Location: 2057 S GROVE
City: Ontario
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California

Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No:	WCR2006-013263	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04132
Decimal Lat(OSWCR):	34.04132	Decimal Longitude:	-117.61981
Decim Long(OSWCR):	-117.61981		
Location(OSWCR):	1652 Sacramento Avenue		
City(OSWCR):	Ontario		
Location:	1652 Sacramento Avenue		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No:	WCR1999-011491	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04132
Decimal Lat(OSWCR):	34.04132	Decimal Longitude:	-117.61981
Decim Long(OSWCR):	-117.61981		
Location(OSWCR):	NW corner of E Philadelphia Street & S V		
City(OSWCR):	Ontario		
Location:	NW corner of E Philadelphia Street & S V		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No:	WCR2008-009683	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04132
Decimal Lat(OSWCR):	34.04132	Decimal Longitude:	-117.61981
Decim Long(OSWCR):	-117.61981		
Location(OSWCR):	1652 Sacramento Avenue		
City(OSWCR):	Ontario		
Location:	1652 Sacramento Avenue		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

Wells and Additional Sources Detail Report

WCR No:	WCR1988-018070	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04132
Decimal Lat(OSWCR):	34.04132	Decimal Longitude:	-117.61981
Decim Long(OSWCR):	-117.61981		
Location(OSWCR):	1320 ft e/o Grove, 60 ft s/o Acacia		
City(OSWCR):	Ontario		
Location:	1320 ft e/o Grove, 60 ft s/o Acacia		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SW	0.88	4,644.46	865.34	WATER WELLS

WCR No:	WCR1999-011333	County:	San Bernardino
County(OSWCR):	San Bernardino	Decimal Latitude:	34.04132
Decimal Lat(OSWCR):	34.04132	Decimal Longitude:	-117.61981
Decim Long(OSWCR):	-117.61981		
Location(OSWCR):	Ely Basin-Philadelphia & Vineyard		
City(OSWCR):	Ontario		
Location:	Ely Basin-Philadelphia & Vineyard		
City:	Ontario		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *SAN BERNARDINO* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *SAN BERNARDINO* County

No Measures/Homes:	17
Geometric Mean:	0.5
Arithmetic Mean:	0.7
Median:	0.7
Standard Deviation:	1
Maximum:	2.9
% >4 pCi/L:	0
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

Oil and Gas Wells — **OGW**

A list of Oil and Gas well locations. This is provided by California's Department of Conservation Division of

Appendix

Oil, Gas and Geothermal Resources.

Periodic Groundwater Level Measurement Locations **MONITOR WELLS**

Locations of groundwater level monitoring wells in the Department of Water Resources (DWR)'s Periodic Groundwater Levels dataset. The DWR Periodic Groundwater Levels dataset contains seasonal and long-term groundwater level measurements collected by the Department of Water Resources and cooperating agencies.

Well Completion Reports **WATER WELLS**

List of wells from the Well Completion Reports data made available by the California Department of Water Resources' (DWR) Online System for Well Completion Reports (OSWCR). Please note that the majority of well completion reports have been spatially registered to the center of the 1x1 mile Public Land Survey System section that the well is located in.

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Appendix B

Site Photographs



Painted "No Aircraft Parking" sign to the east of the Guardian Jet Center East hangar.



Unknown concrete/asphalt patch the east of the Guardian Jet Center hangars.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **1 & 2**



Unknown asphalt pad to the east of the Guardian Jet Center hangars.



Drainage channel along a former wash rack to the east of the Guardian Jet Center hangars.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **3 & 4**



Former wash rack to the east of the Guardian Jet Center hangars with red staining. An outline of former AST is also visible.



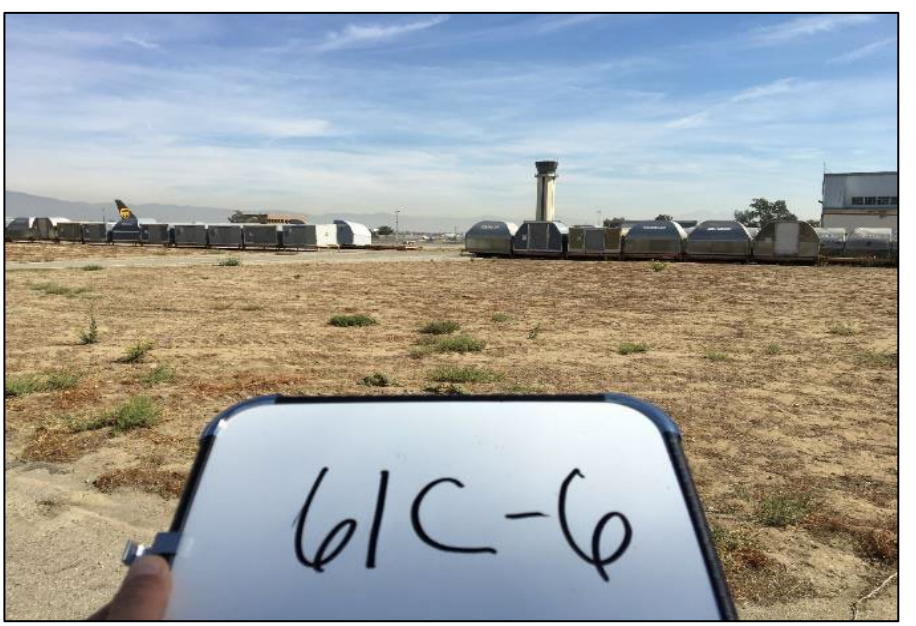
Possible 3 stage clarifier that drainage channel leads to.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **5 & 6**



UPS storage pods and palettes to the southeast of the Guardian Jet Center hangars.



UPS storage pods along the eastern boundary of parcel 61.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **7 & 8**



Steel lid utility vault east of the Guardian hangars.



Long trench coming from the drain inlet that could be a possible former clarifier location.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **9 & 10**



Parked UPS trailers located at the southwestern end of the parking lot next to hangar 4.



General telephone underground utility at the southwestern end of the parking lot next to hangar 4.

Phase I ESA **97-Acre Project Magellan Airport Cargo Distribution Center** Ontario, California		
By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **11 & 12**



Drain inlet located in the middle of the parking lot next to hangar 4.



Looking at the east side of hangar 4 at unspecified utility vaults and UPS trailers.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **13 & 14**



Looking at the secondary parking lot for UPS.



Looking north towards hangar 4 from the parking area.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **15 & 16**



Boring holes located at the southern portion of Parcel 61.



Looking at a storm drain in the southern portion of Parcel 61.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **17 & 18**



Circular concrete patch on the west side of the southern portion of Parcel 61.



Drainage channel located in Parcel 63 going east to west.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **19 & 20**



Maintenance shed/scrap yard at the northwest corner of hangar 4.



Inside the maintenance shed/scrap yard.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **21 & 22**



An enclosed electrical substation to the west of hangar 4.



Looking north at the sliding doors to hangar 4.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **23 & 24**



Inside hangar 4 where 5-gallon buckets of Winsol were found leaking.



Inside hangar 4 where 5-gallon buckets of BioSolve Pink Water were found leaking.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **25 & 26**



Inside hangar 4 where 5-gallon buckets of AMERX BC Purple K dry were found leaking.



Outside of the structure to the southwest of hangar 4 where a Hazardous Storage sign is located.

Phase I ESA **97-Acre Project Magellan Airport Cargo Distribution Center** Ontario, California		
By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **27 & 28**



Inside the hazardous storage building.



Looking at cleaning supplies inside the hazardous storage building.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **29 & 30**



Facing north towards a concrete pad where propane ASTs used to be stored.



Facing west where fire sprinkler piping and an excavation pit is located.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **31 & 32**



Half circle concrete pad south of 61W-22 where UST was possibly removed.



Looking east at the General Telephone underground utility.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **33 & 34**



Hazardous waste storage structure south of hangars 2 and 3.



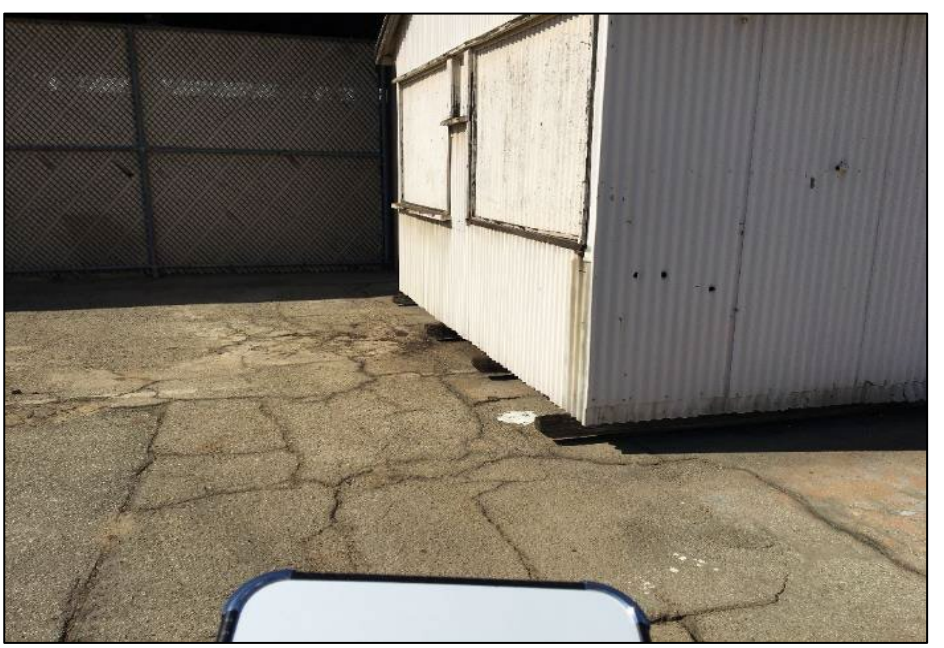
Inside the awning attached to the hazardous waste storage structure.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **35 & 36**



Inside the second storage awning east of the hazardous waste storage structure.



Storage shed elevated with wood beams east of the second storage awning.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **37 & 38**



Electrical building east of the elevated storage shed.



Concrete patches north of hazardous waste storage area.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **39 & 40**



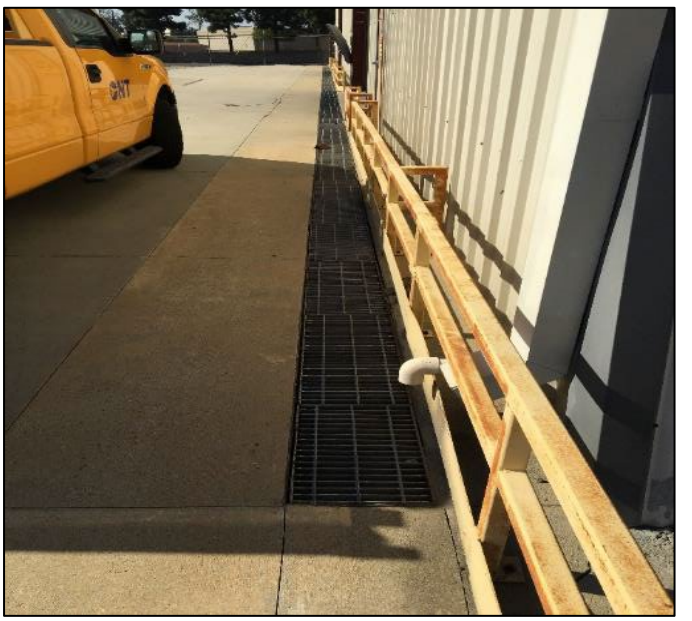
Facing north towards the rollup doors of hangar 3.



Looking inside of hangar 3.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **41 & 42**



View of drainage system south of hangar 3.



Pad mounted electric box and transformer on eastern corner of hangar 3.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **41A & 42A**



Looking at a loading dock and trash enclosure east of hangar 3.



Looking at the air museum to the west of hangar 2.

Phase I ESA
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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **43 & 44**



Inside the Air Museum.



Looking north towards the building east of the Air Museum. This is the former NDT Lab.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **45 & 46**



Looking inside of building 61W-16.



Looking at pole mounted transformers behind 61W-16.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **47 & 48**



Looking northeast at hangar 2.



Looking inside of hangar 2.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **49 & 50**



Inside of hangar 2 and the connecting administration building.



Inside of the administration building by the police station.

Phase I ESA **97-Acre Project Magellan Airport Cargo Distribution Center** Ontario, California		
By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **51 & 52**



Sunken pit with drain in the northwest corner of the administration building/hangar 2.



Savage Fit Club gym located in the northeast corner of the administration building/hangar 2.

Phase I ESA **97-Acre Project Magellan Airport Cargo Distribution Center** Ontario, California		
By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **53 & 54**



Facing south towards the administration building and adjacent hangar 2.



Trench drain located southwest of hangar 2 below a sloped concrete patch and awning.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **55 & 56**



Inside of the building connected to the east of hangar 2.





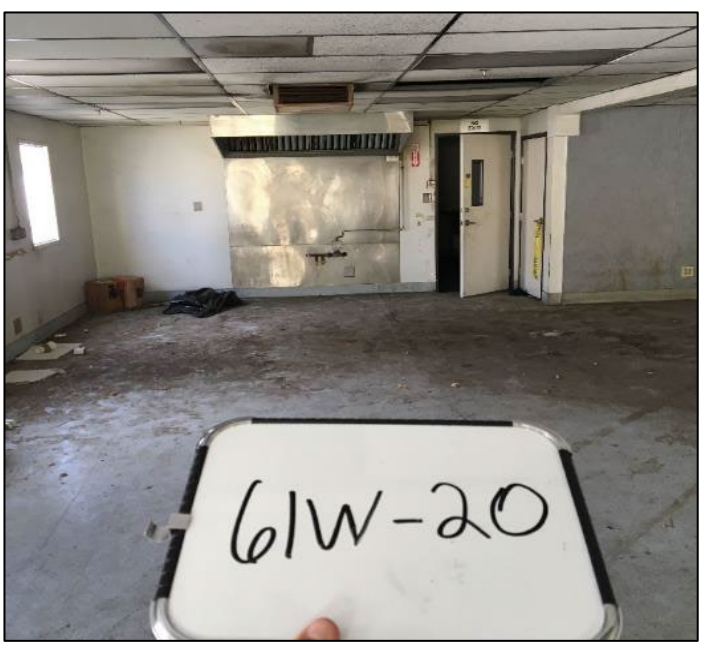
Looking at the shed next to 61W-18 that contains an overhead crane system inside.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **57 & 58**



Facing west towards ancillary build east of hangar 2.



Inside of ancillary building 61W-20.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **59 & 60**



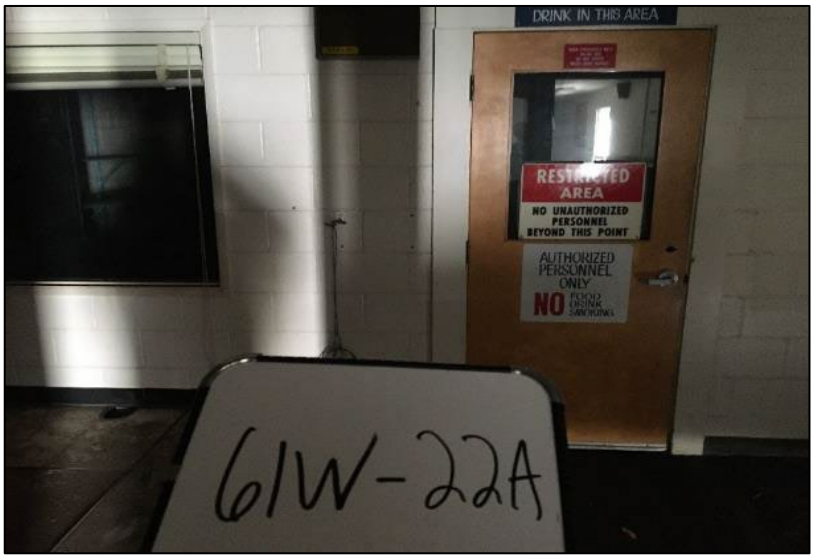
Facing north towards painted stop sign south of 61W-21.



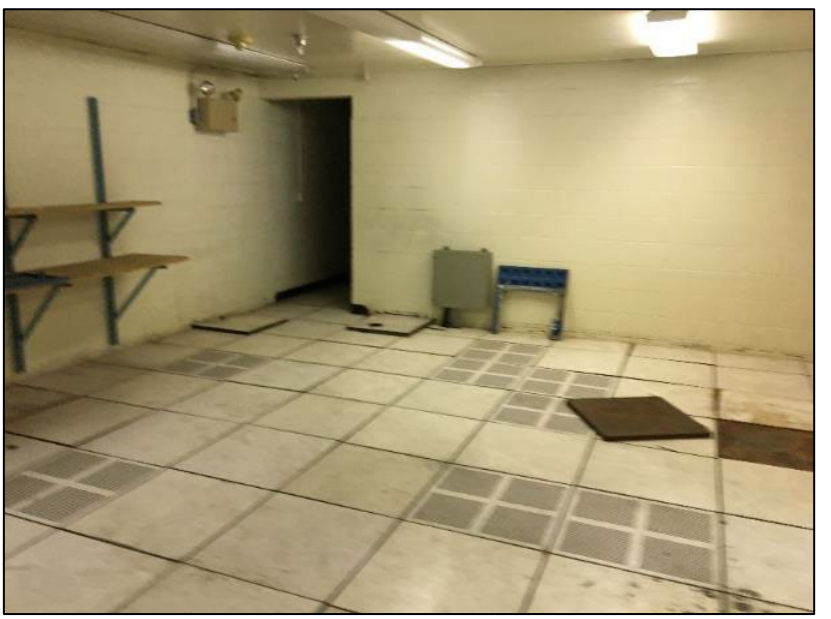
Facing east towards ancillary structure west of 61W-22.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **61 & 62**



Inside of 61W-22A



Inside of restricted area in 61W-22A.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **63 & 64**



Facing west towards parking lot area between hangar 3 and administration building.



Facing north towards administration building where a sewer trench is located.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **65 & 66**



Looking east towards 61W-15 that was inaccessible during Site visit.



Looking at storage shed northwest of 61W-15 that could have possibly been used for hazardous waste storage.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **67 & 68**



Looking south towards concrete enclosures for former ASTs east of 61W-29 building.



Looking north at concrete enclosure for former ASTs north of 61W-29 building.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **69 & 70**



Facing north towards hangar 1.



Facing southeast towards leaking hydraulic jacks southwest of hangar 1.

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By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **71 & 72**



Ancillary awning north of hangar 1.



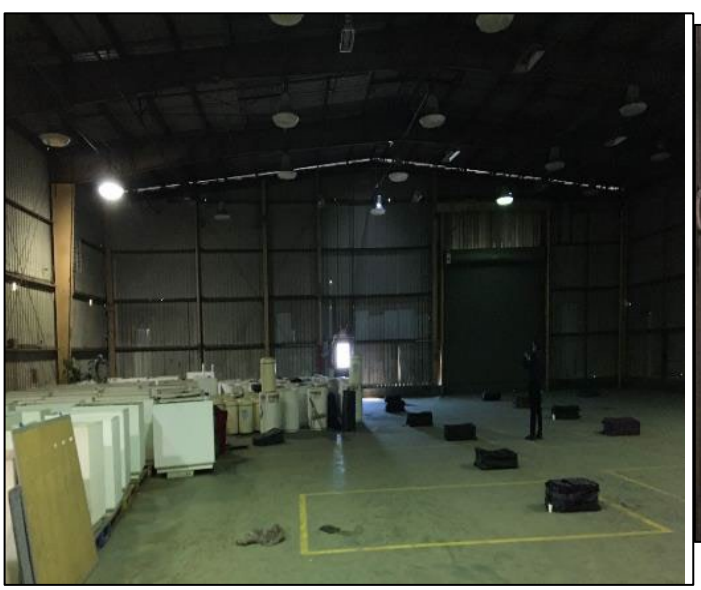
Inside of hangar 1.

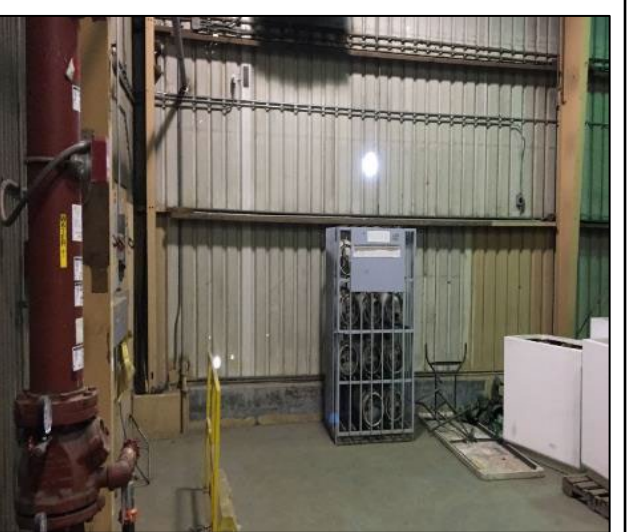
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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **73 & 74**



The northeast corner of hangar 1 where a drainage sump with missing grates is located.





Inside of the building connected to the east of hangar 1 (61W-22).

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **75 & 76**



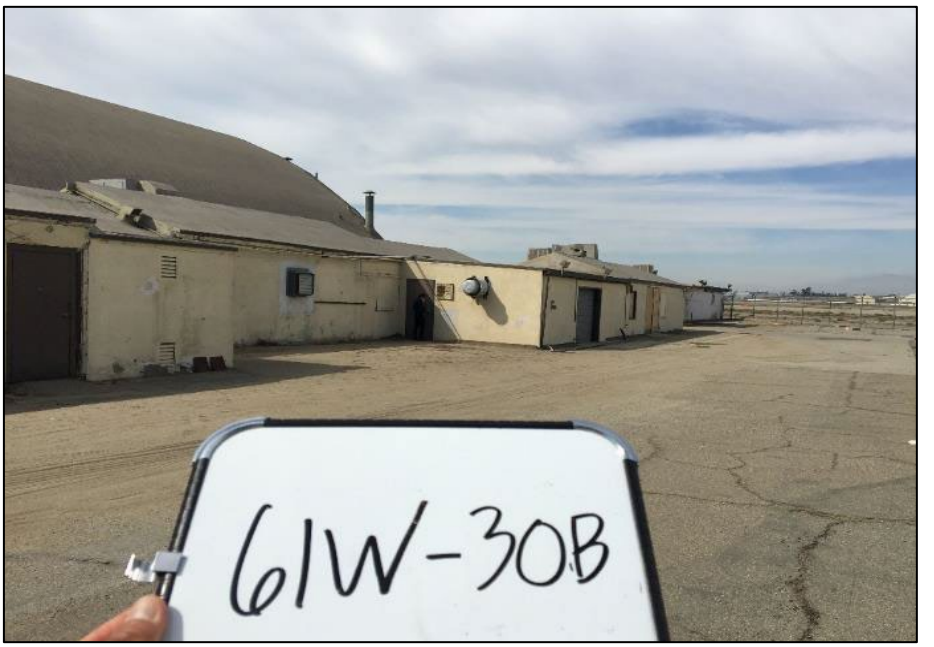
Facing south towards the ancillary garages north of hangar 1.



Inside of the ancillary garages.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **77 & 78**



Facing south towards the ancillary structure next to the garages.



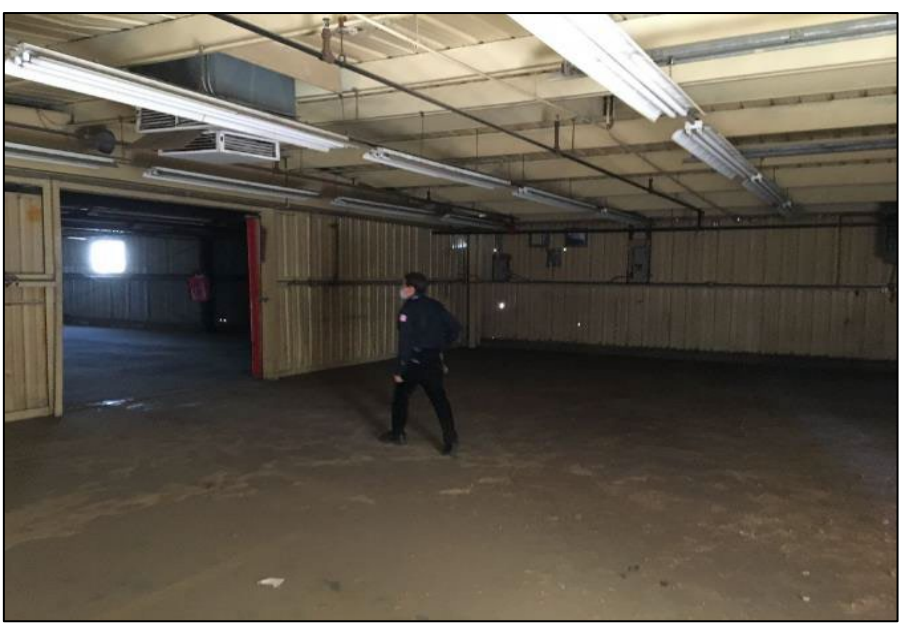
Drainage channel outside of 61W-30B.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **79 & 80**



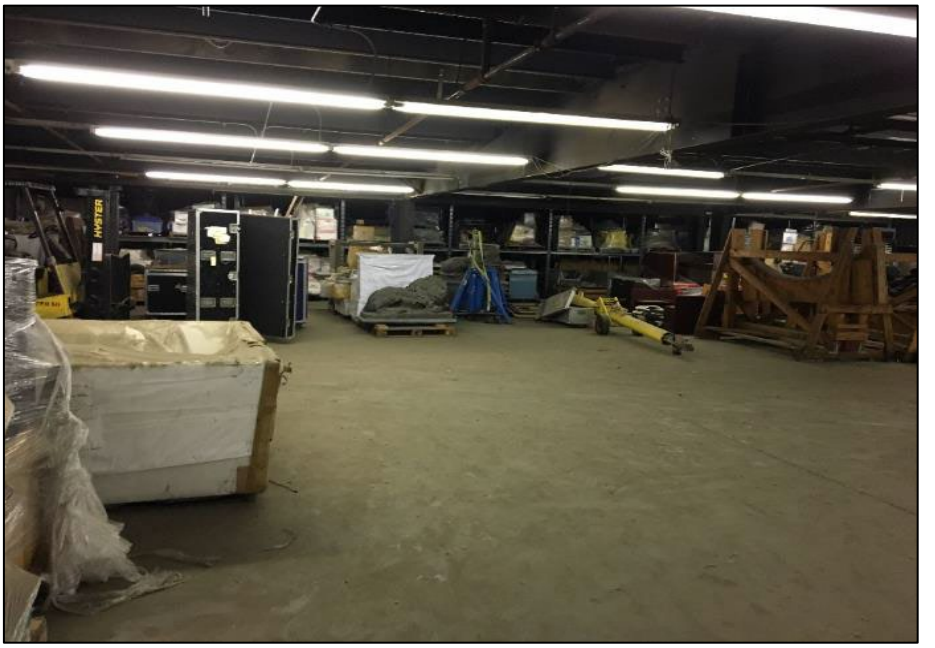
Facing south towards the building west of hangar 1.



Inside of 61W-32, building #1.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **81 & 82**



Inside of 61W-32, building #3.



Inside of 61W-32, building #3. Diesel drums and a waste coolant drum in secondary containers.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **83 & 84**



Inside of 61W-32, building #4. Eight batteries.



Inside of 61W-32, building #4. Leaking scissor lift.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **85 & 86**



Inside of 61W-32, building #4. Leaking aircraft cart.



Looking north at outside storage to the west of 61W-32.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **87 & 88**



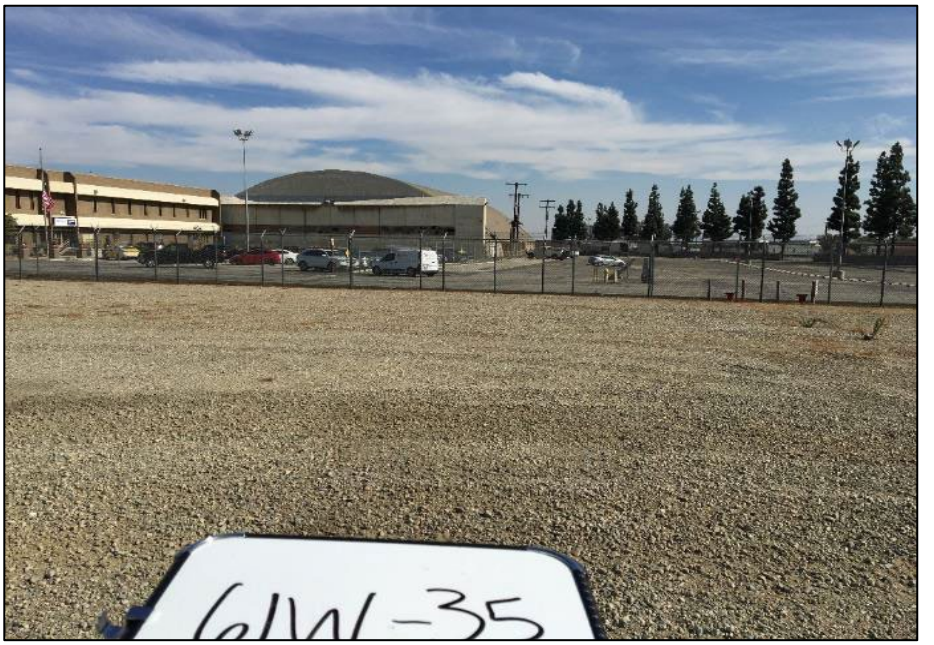
Looking north at a former clarifier located at the northeastern corner of the Site boundary.



Looking south from 61W-34 towards the administration building.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **89 & 90**



Looking east towards the administration building and hangar 3 from the ASIG dirt lease area.



Looking at a helicopter pad with a possible destroyed drain inlet to the east of Guardian Jet Center East.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **91 & 92**



Four stage clarifier in between the Guardian hangars.



Four stage clarifier to the south of Guardian Jet Center southern hangar.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **93 & 94**



Air compressor tank in the southeastern corner of the Guardian Jet Center southern hangar.



Looking at a large asphalt patch (62-3) to the east of Guardian Jet Center East building.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **95 & 96**



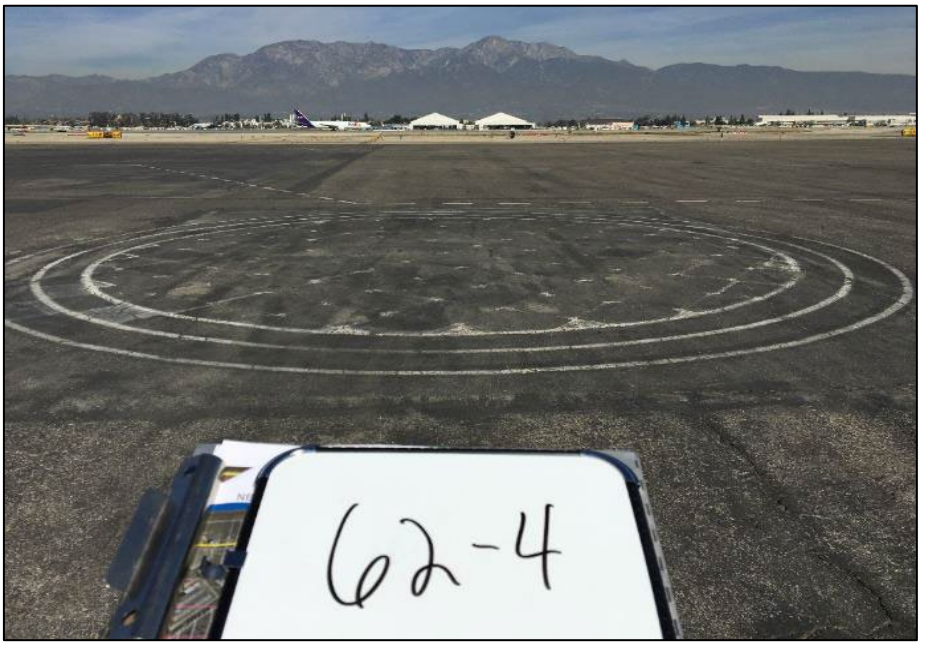
Helicopter pad with possible destroyed inlet to the east of the Guardian East hangar.



Helicopter pad labeled Police Only to the east of the Guardian East hangar.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **97 & 98**



Helicopter pad to the east of the Guardian East hangar.



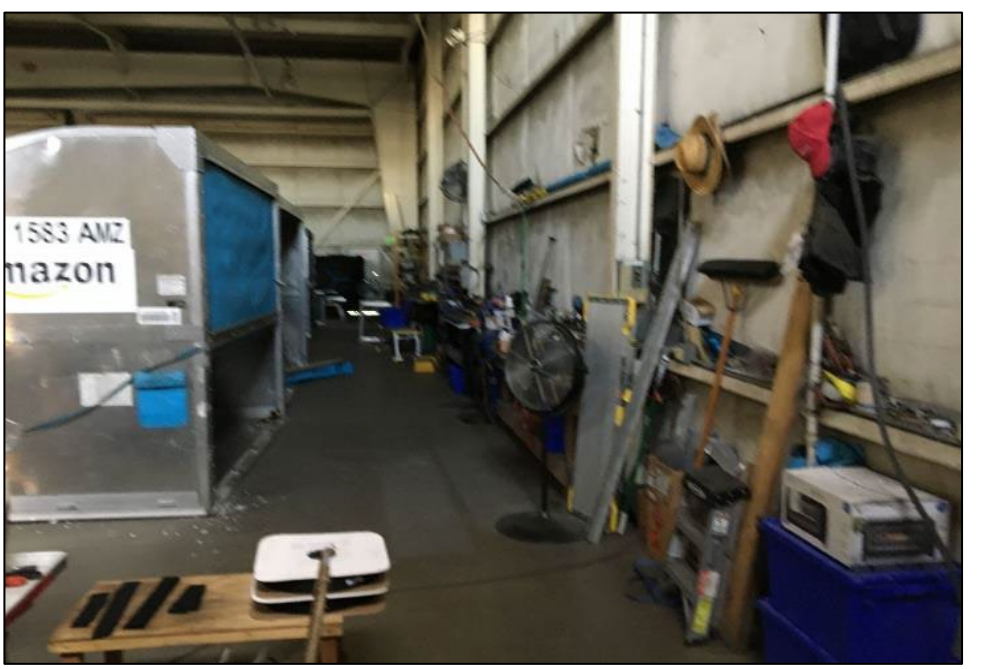
Facing south towards the front of the Guardian East hangar.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **99 & 100**



Inside the main office area of Guardian East.



Inside the hangar portion of Guardian East building.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **101 & 102**





AFFF suppression system found inside Guardian East hangar. Dripping visible on second photo.



Looking at the western side of the Guardian East building.

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By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **103 & 104**



Unknown rectangular patch to the east of Guardian Jet southern building.



Facing north towards the Guardian Jet southern building.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **105 & 106**





Oil and gas drums inside the Guardian Center southern hangar with no bungs, absorbent pads and used oil filters.



AFFF suppression system inside the Guardian Center southern hangar.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **107 & 108**



Closer look at staining around the AFFF suppression system.



Floor drain present inside the middle of the Guardian Center southern hangar.

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By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **109 & 110**



Stairs leading to upstairs storage room inside the Guardian Center southern hangar.



Inside the upstairs storage room.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **111 & 112**



Staining from possible leaking AFFF piping upstairs.



Flammable container locker inside the maintenance shop inside the Guardian Center southern hangar.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **113 & 114**



Absorbent on the ground inside the machine shop.



Unknown poly drum full of liquid inside the machine shop.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **115 & 116**



UPS pods on top of a concrete pad that used to be a former maintenance shop.



Large gravel patch at southern border of UPS parking lot. This used to be the former Beechcraft West Fuel Farm.

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By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **117 & 118**



Asphalt and concrete patches to the north of Parcel 62.



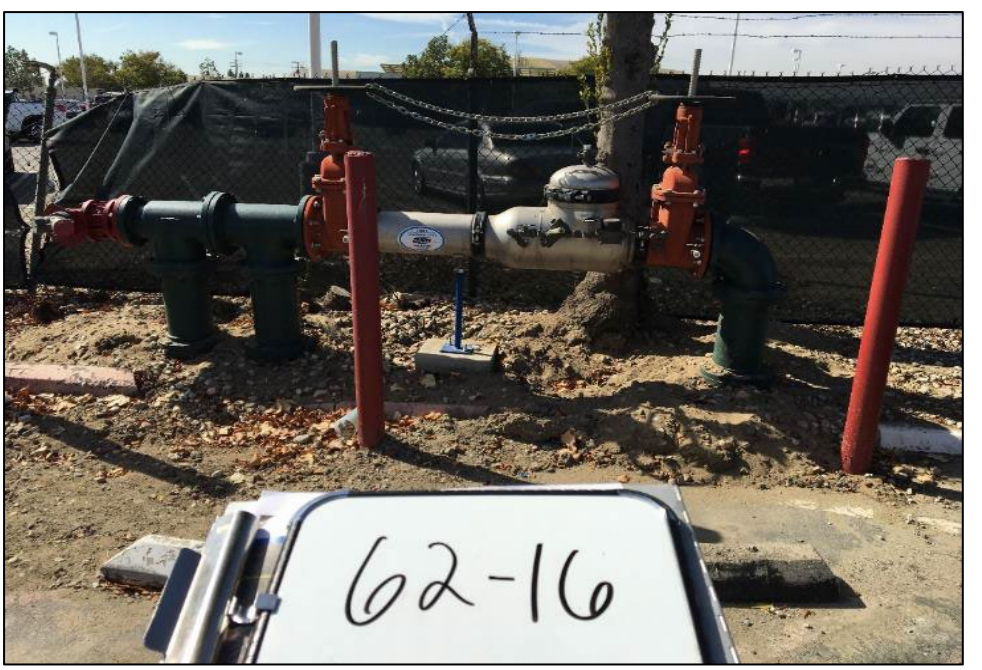
Overview of central parking area where UPS trucks are currently parked. Unknown patches visible.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **119 & 120**



Parking lot west of Guardian Center buildings.



Water valve system located at the parking lot west of Guardian Center buildings.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **121 & 122**



Drainage channel along the southern edge of the Site boundary.



Southern California Gas lid surrounded by an asphalt patch
located in the southeastern portion of Parcel 63.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **123 & 124**



Unknown asphalt pad located northeast of the former Fire House/Auto Shop.



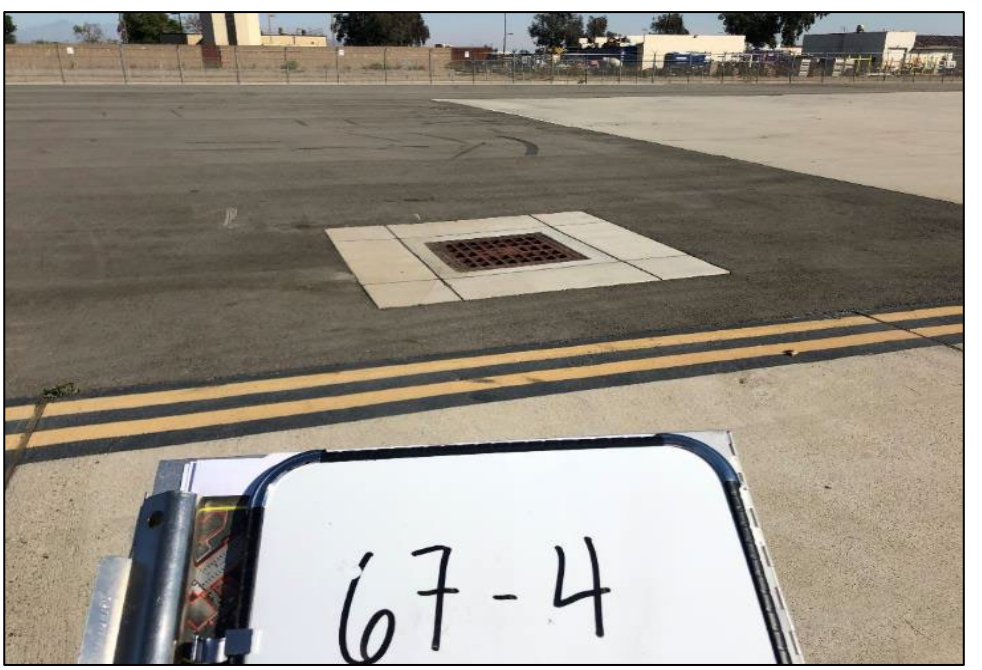
Unknown asphalt pad located south of 67-1.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **125 & 126**



18" by 18" vault located on a large concrete pad that is northeast of the former CANG hangar.



Drain inlet north of 67-3.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **127 & 128**



Drain inlet located south of 67-3.





Looking south at large concrete pad northeast of the former CANG hangar.
This is a former wash rack with a clarifier backfilled.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **129 & 130**



Concrete walkway along the eastern Site boundary with a drain inlet observed off-site.



Looking north towards a large asphalt area that leads to airport taxiway.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **131 & 132**



Facing south at large asphalt area north of 68-6.





Panel labeled "control switch for northeast floodlights is located at N.E. corner of fuel dump fence," located southeast of the former CANG.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **133 & 134**



Concrete pad located next to the panel.



Concrete pad north of concrete pad discussed above.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **135 & 136**



Overview of gravel area in between the concrete pads 68-6.



Gravel area that is potentially a former UST area that has been backfilled.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **137 & 138**



Looking south at an open area with light poles going down the center to the east of CANG.



Concrete walkways leading to the eastern side of the former CANG.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **139 & 140**



Facing west towards patches in a straight line that lead to electrical poles.



Facing north towards an unknown concrete/asphalt patch north of the former Fire House/Auto Shop.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **141 & 142**



Facing south towards the front of the former Fire House/Auto Shop.



Inside the Fire House/Auto Shop.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **143 & 144**



Facing south towards the front of the former CANG hangar.



Looking at the maintenance building to the east of the former CANG hangar.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **145 & 146**



Inside of the CANG hangar.



Fire house and extinguishers located inside the CANG hangar.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **147 & 148**



Inside of the maintenance building.



Looking at the operations building to the west of the former CANG hangar.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **149 & 150**



Inside of the operations building.



One of the offices inside of the operations building.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **151 & 152**



Facing north towards the former National Guard Motorcycle Shop.



Inside of the former National Guard Motorcycle Shop.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **153 & 154**



Facing north towards the ancillary hangar building west of the motorcycle shop.



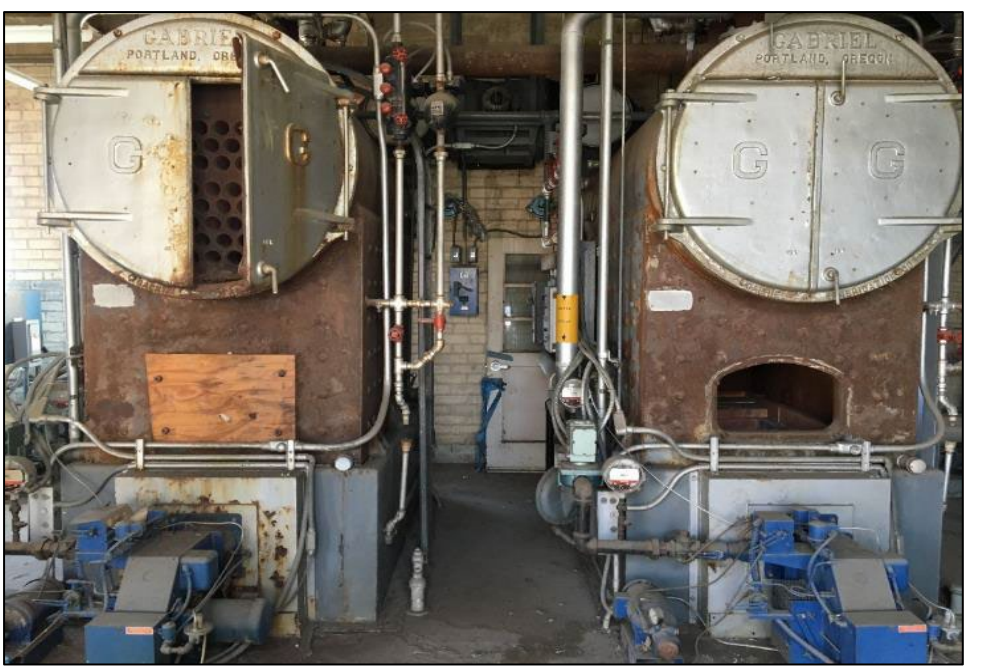
Inside of the ancillary hangar building.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **155 & 156**



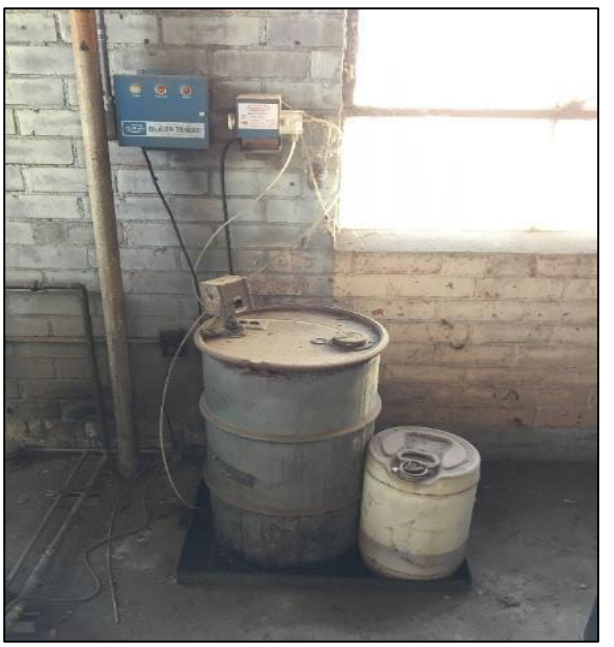
Looking at the boiler room west of the ancillary hangar building.



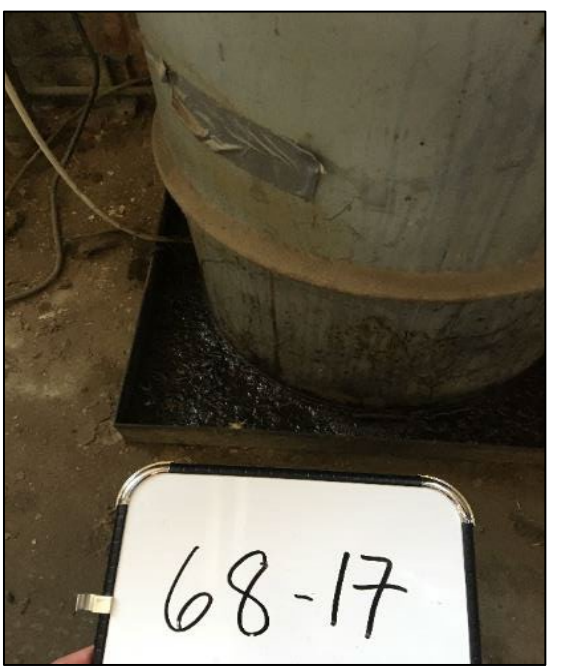
Inside of the boiler room.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **157 & 158**



Inside of the boiler room.



Secondary containment pan with oil in it.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **159 & 160**



Inside of the boiler room.



Looking north at the awning and building connected to the former CANG hangar.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **161 & 162**



Hazardous placard located on the glass north of the awning.



Inside of the building connected to the awning.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **163 & 164**





Transformer located south of the boiler room.



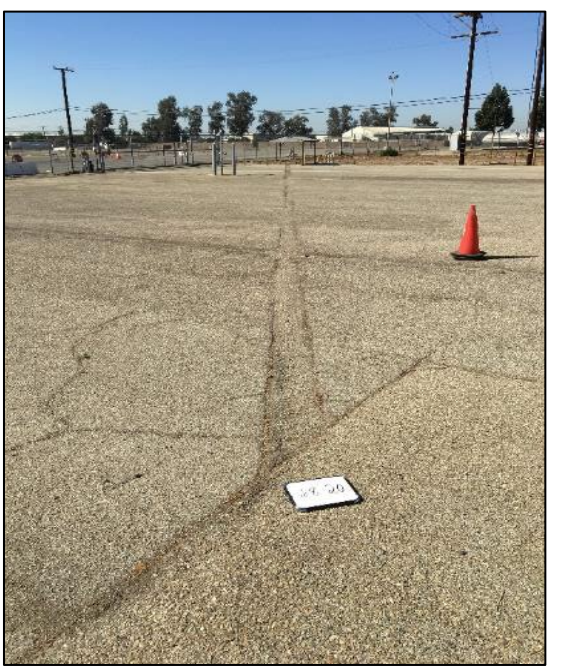
Tower with three transformers above the transformer on the ground.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **165 & 166**



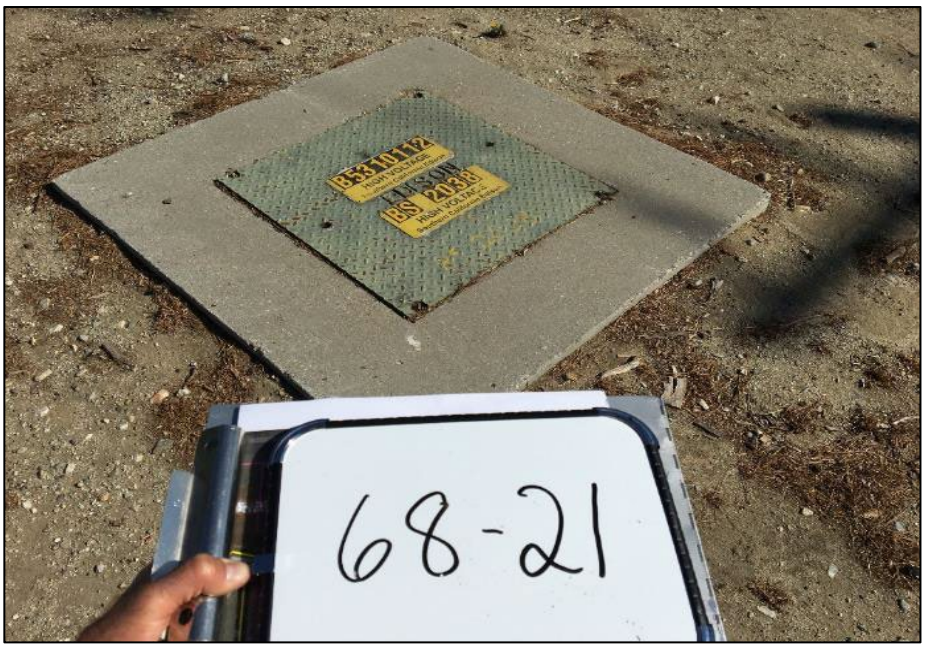
Backfilled asphalt patch to the west of the boiler room.



Trench leading to the asphalt patch.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **167 & 168**



Southern California Edison vault southwest of the former CANG hangar.



Facing east towards the entrance to the former National Guard maintenance yard.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **169 & 170**



Stockpile bays full of sand inside the maintenance yard.



Stockpile of asphalt inside the maintenance yard.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **171 & 172**



Mixed stockpile inside the maintenance yard.



Stockpile of gravel inside the maintenance yard.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **173 & 174**



Dirt stockpile inside the maintenance yard.



Stockpile of boulders inside the maintenance yard.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **175 & 176**



Mulch stockpile inside the maintenance yard.



Groundwater monitoring well found inside the maintenance yard.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **177 & 178**



Trenches located inside the maintenance yard.



Facing north towards the most eastern building in the maintenance yard.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **179 & 180**



Inside of the first building.



Facing north towards the building to the west of building #1.

Phase I ESA **97-Acre Project Magellan Airport Cargo Distribution Center** Ontario, California		
By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **181 & 182**



Inside of building #2.



Facing north towards the building along the western edge of the maintenance yard.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **183 & 184**



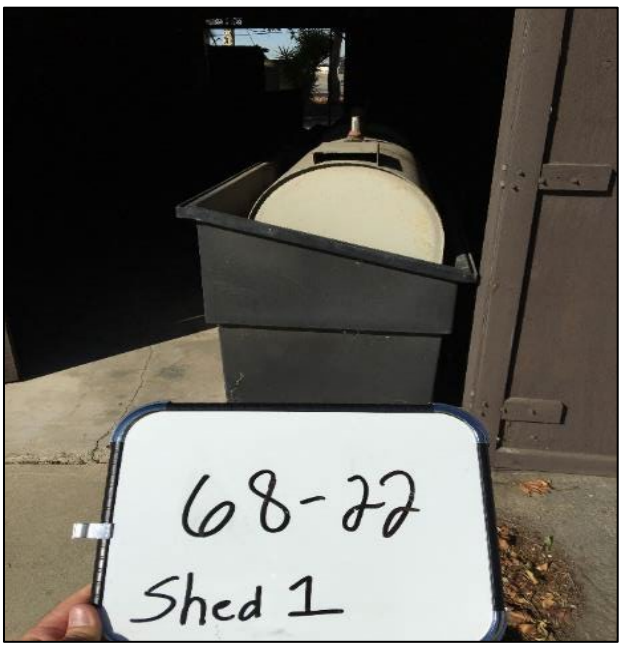
Inside of building #3.



Looking at the shed to the northeast of building #3.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **185 & 186**



Looking at above ground fuel tanks inside of the shed to the northeast of building #3.



Inside of the shed to the northeast of building #3 where an EA-200 drum is located.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **187 & 188**



Looking south towards the shed in the southwest corner of the maintenance yard.



Looking west a former off-site fuel farm.

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Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **189 & 190**



Survey monument located south of 68-23, off-site.



Rectangular back filled area with tie downs located south of the former National Guard Motorcycle shop.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **191 & 192**



Water source that leads to boiler room located south of 68-21.



Water line leading to the boiler room.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **193 & 194**



Powerlines at the southwest corner of the former National Guard lease area.



Surrounding property to the east of the Site Boundary-Former vehicle maintenance area.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **195 & 196**



Surrounding property to the east of the Site Boundary-Former wash rack and generator maintenance area.



Surrounding property to the east of the Site Boundary-Fire Station 10.

Phase I ESA **97-Acre Project Magellan Airport Cargo Distribution Center** Ontario, California		
By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **197 & 198**



Surrounding property to the east of the Site Boundary-Former rocket storage.



Surrounding property to the east of the Site Boundary-Cucamonga Creek Channel.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **199 & 200**



Drain line and utility lids located north of Guardian Jet Center southern building.



Possible transformer located south of 62-8.

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97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **201 & 202**



Facing north towards possible clarifier south of 68-22 Building #1.



Close up of spilled fertilizer bags inside of 68-22 Building #3.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **203 & 204**



Facing south at a truck scale to the north of 61W-1.



Looking inside at a possible AST associated with the HVAC system at 61W-1.

Phase I ESA
97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

By: VR	Date: 10/20/2021	Project: 5925
GSI ENVIRONMENTAL		Photos **205 & 206**

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Appendix C

Sanborn Fire Insurance Maps

FIRE INSURANCE MAPS

Project Property:	Ontario Airport Ontario Airport Ontario CA 91761
Project No:	5925
Requested By:	GSI Environmental Inc
Order No:	21083000634
Date Completed:	August 30, 2021

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
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PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Appendix D

Topographic Maps

TOPOGRAPHIC MAPS

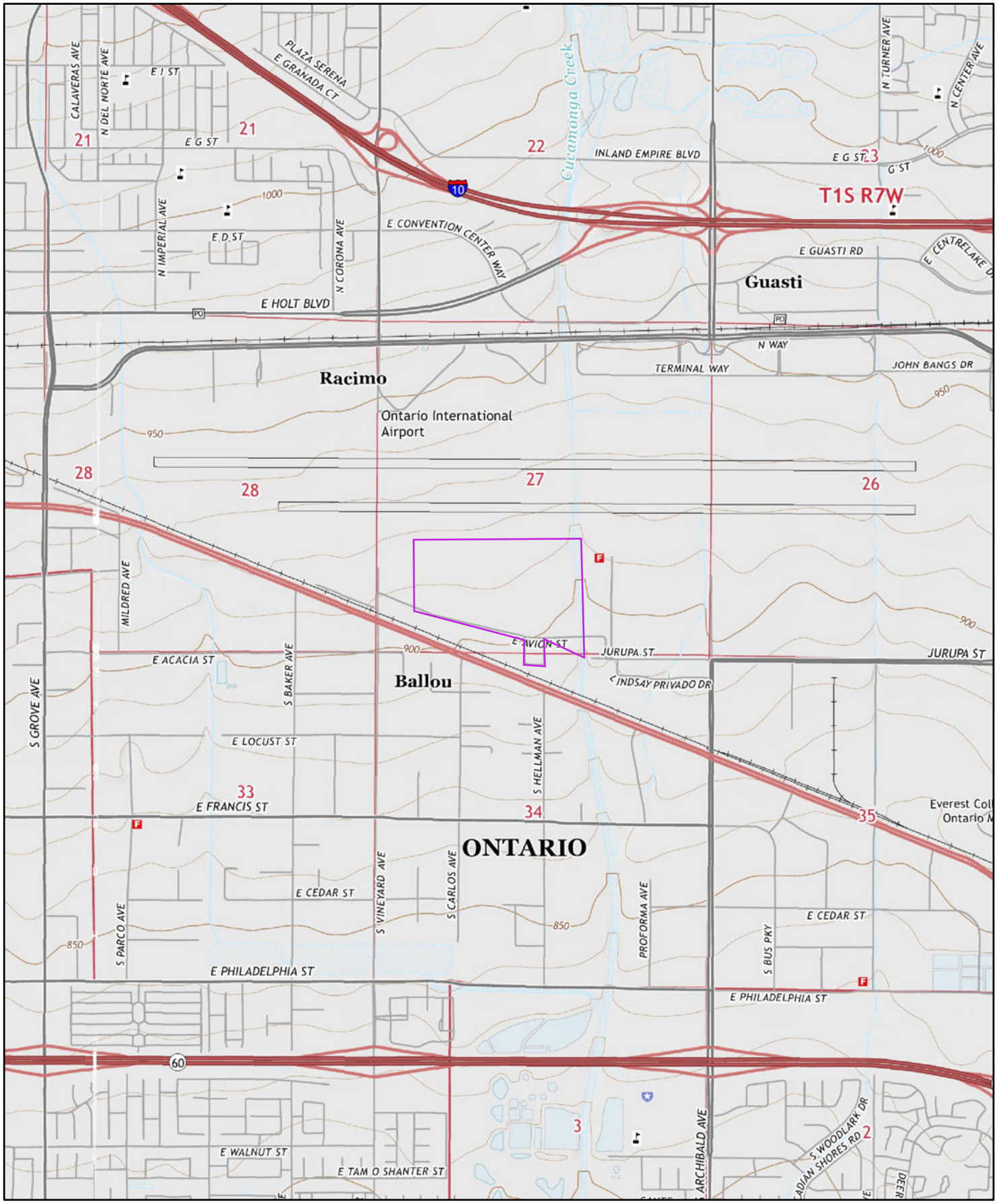
Project Property:	Ontario Airport Ontario Airport Ontario CA 91761
Project No:	5925
Requested By:	GSI Environmental Inc
Order No:	21083000634
Date Completed:	August 30, 2021

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We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2015	7.5
1981	7.5
1973	7.5
1966	7.5
1953	7.5
1954	15
1903	15
1900	15
1897	15

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.
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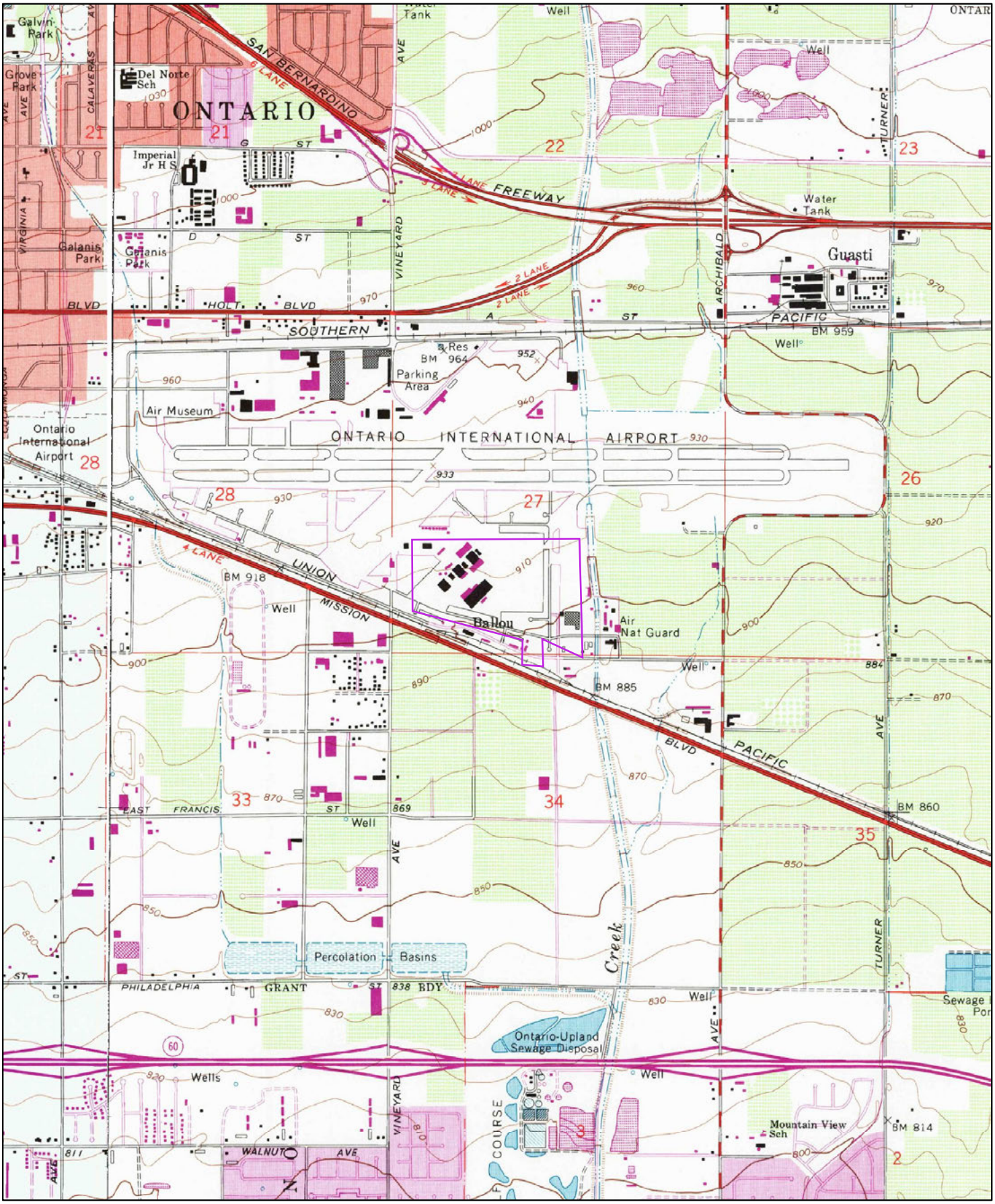
2015

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Order No. 21083000634

Quadrangle(s): Guasti,CA

Source: USGS 7.5 Minute Topographic Map



1981

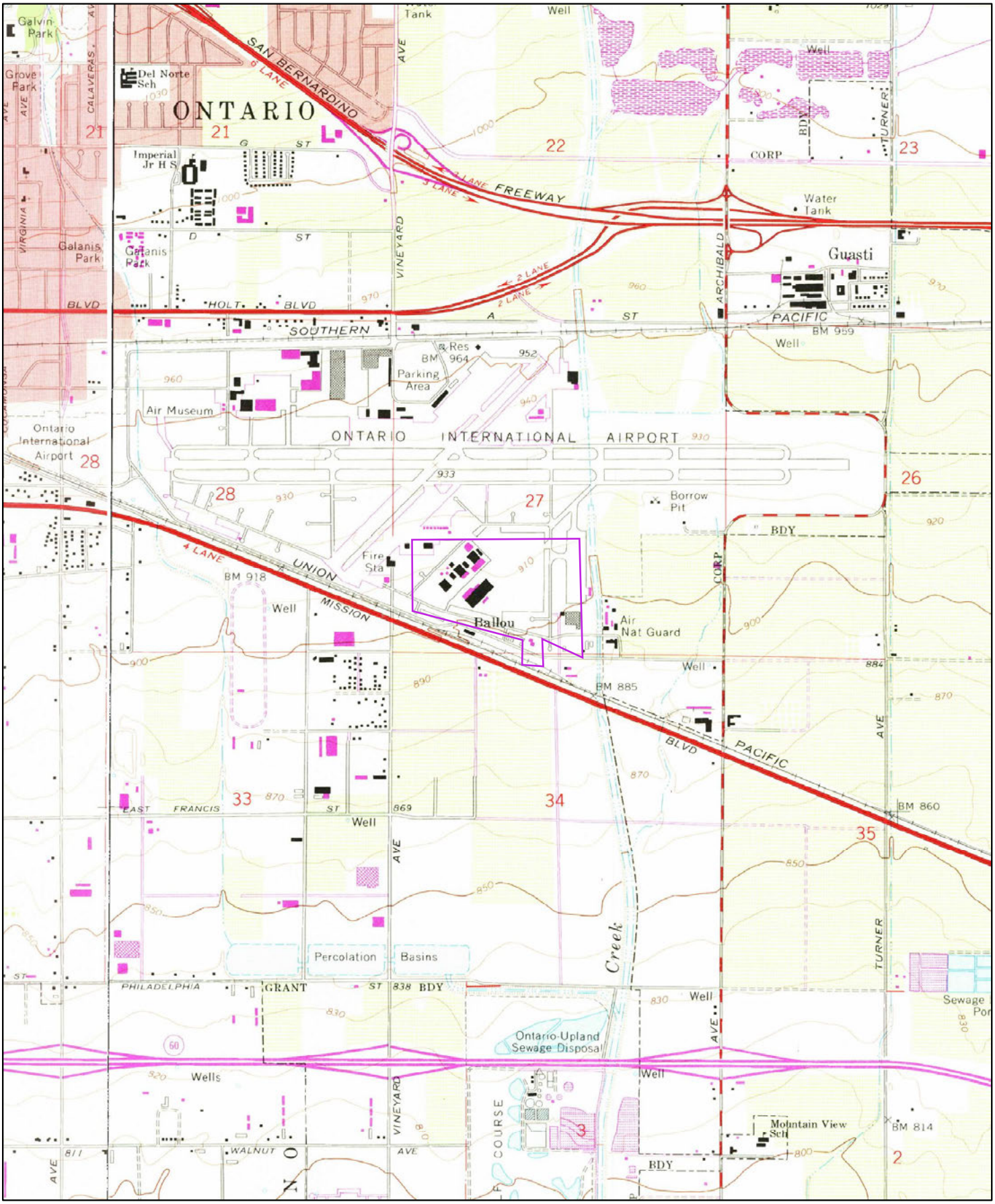
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Order No. 21083000634

Quadrangle(s): Guasti,CA

Source: USGS 7.5 Minute Topographic Map

ERIS



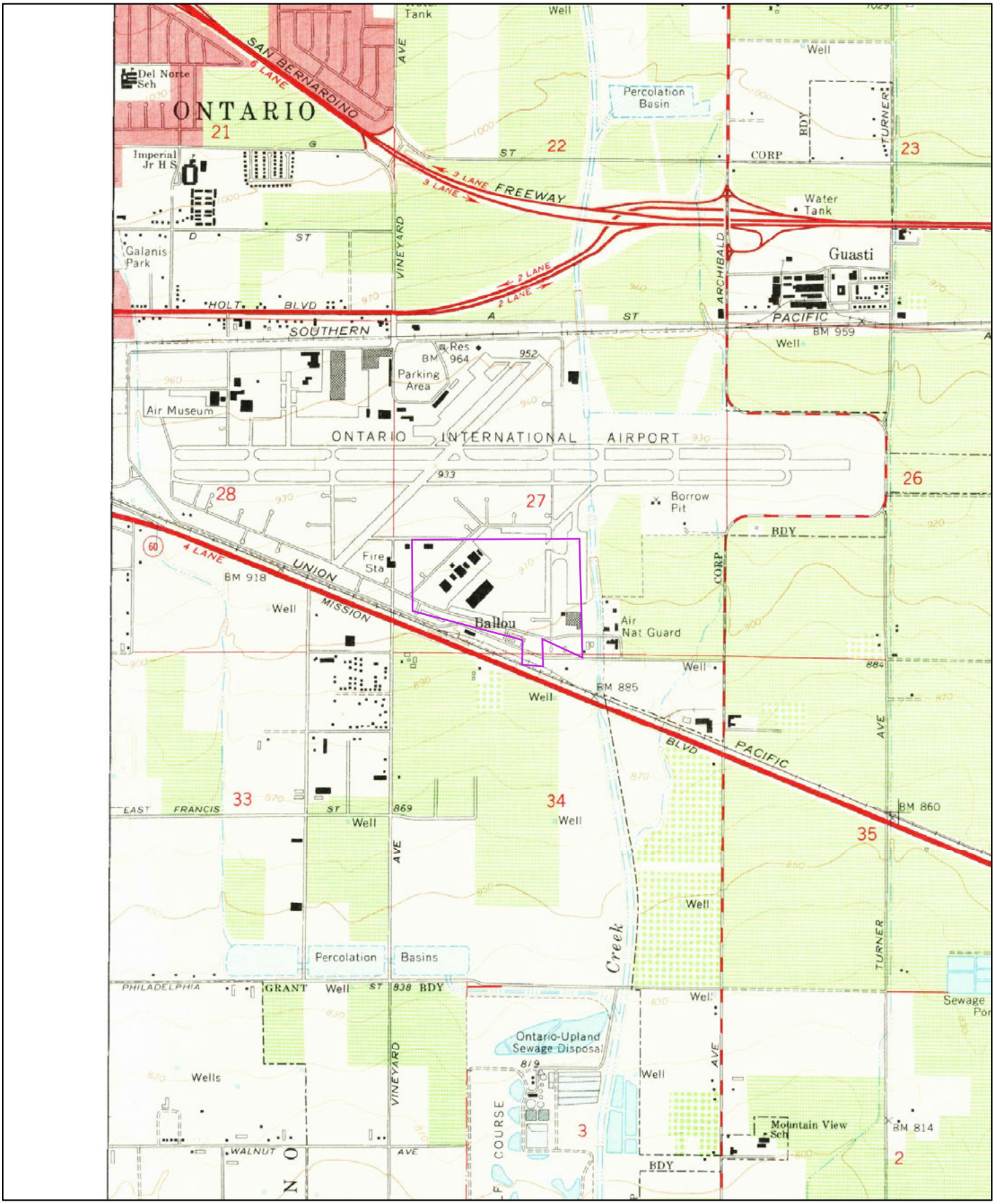
1973

0 0.2 0.4 0.8 Miles

Order No. 21083000634

Quadrangle(s): Guasti,CA

Source: USGS 7.5 Minute Topographic Map



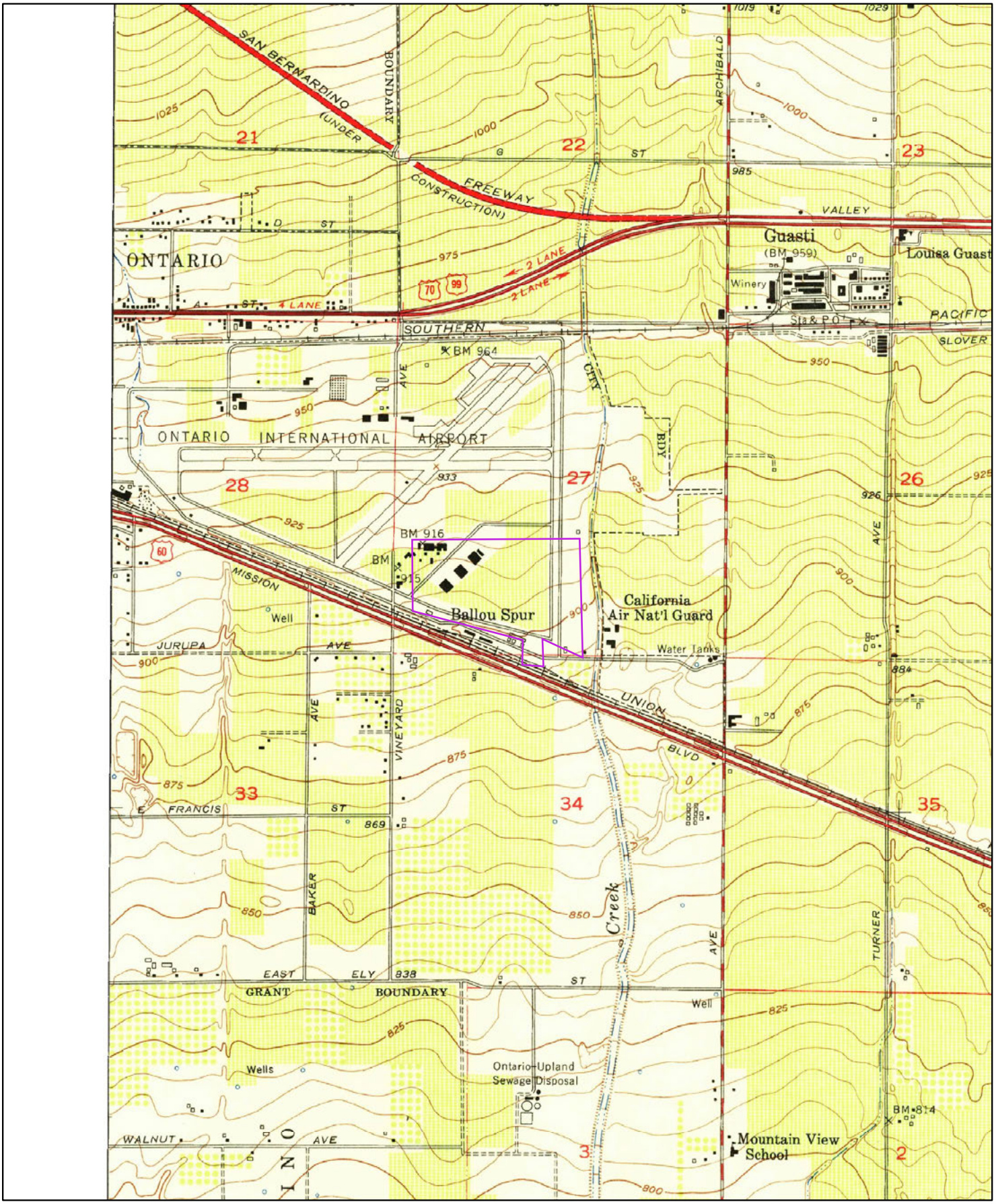
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Order No. 21083000634

Quadrangle(s): Guasti,CA

Source: USGS 7.5 Minute Topographic Map



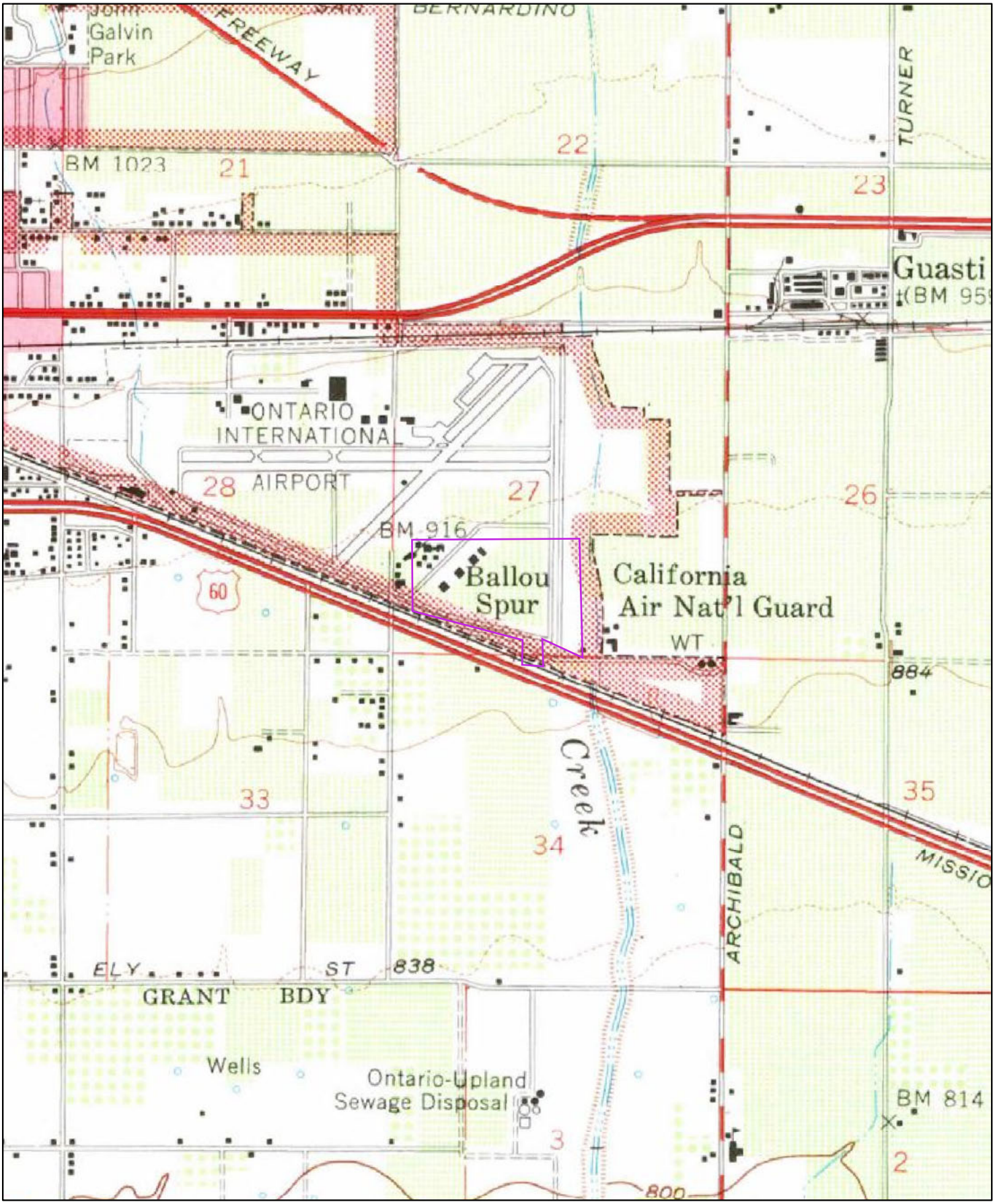
1953

0 0.2 0.4 0.8 Miles

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Quadrangle(s): Guasti,CA

Source: USGS 7.5 Minute Topographic Map



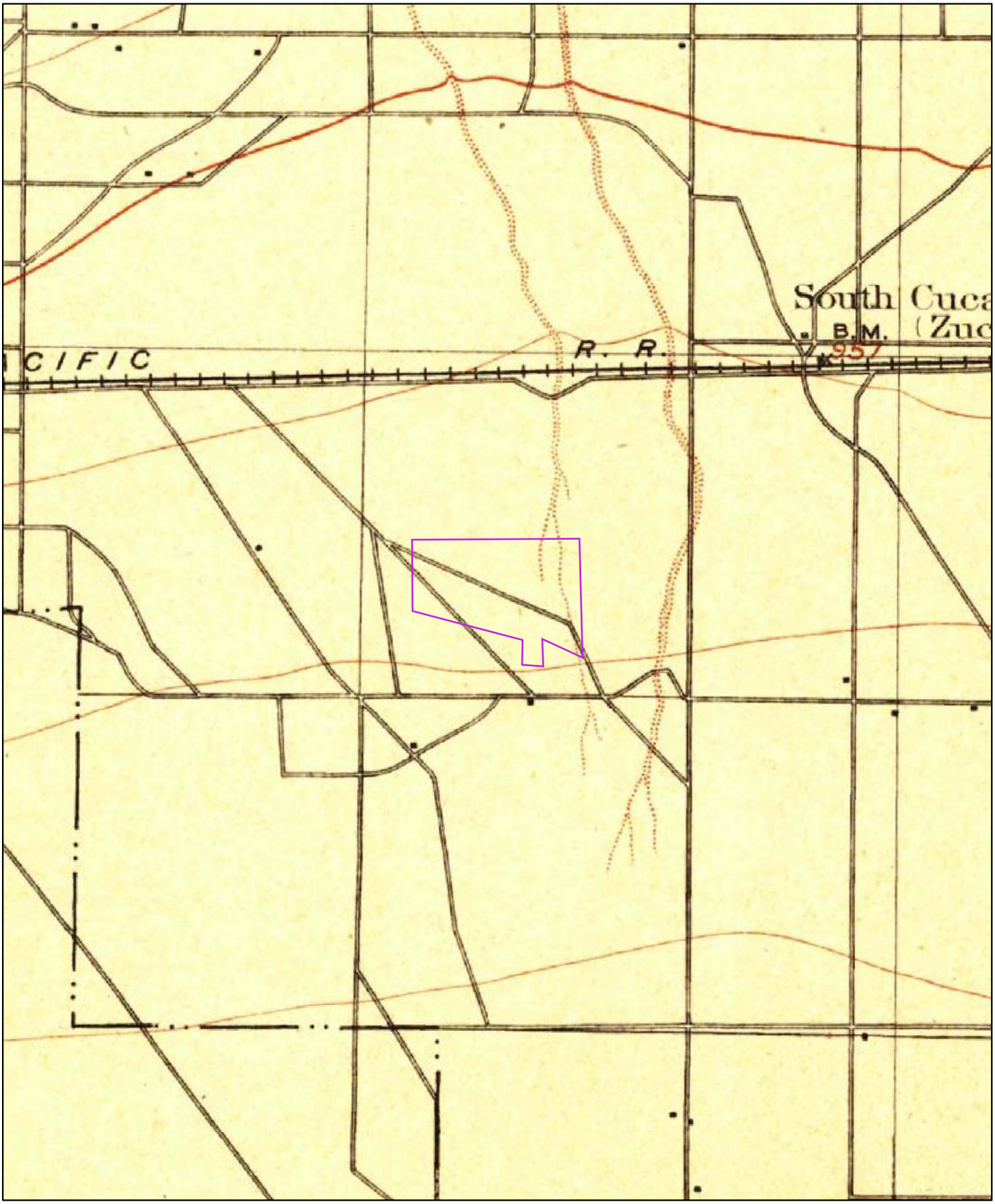
1954

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Order No. 21083000634

Quadrangle(s): Ontario,CA

Source: USGS 15 Minute Topographic Map



1903

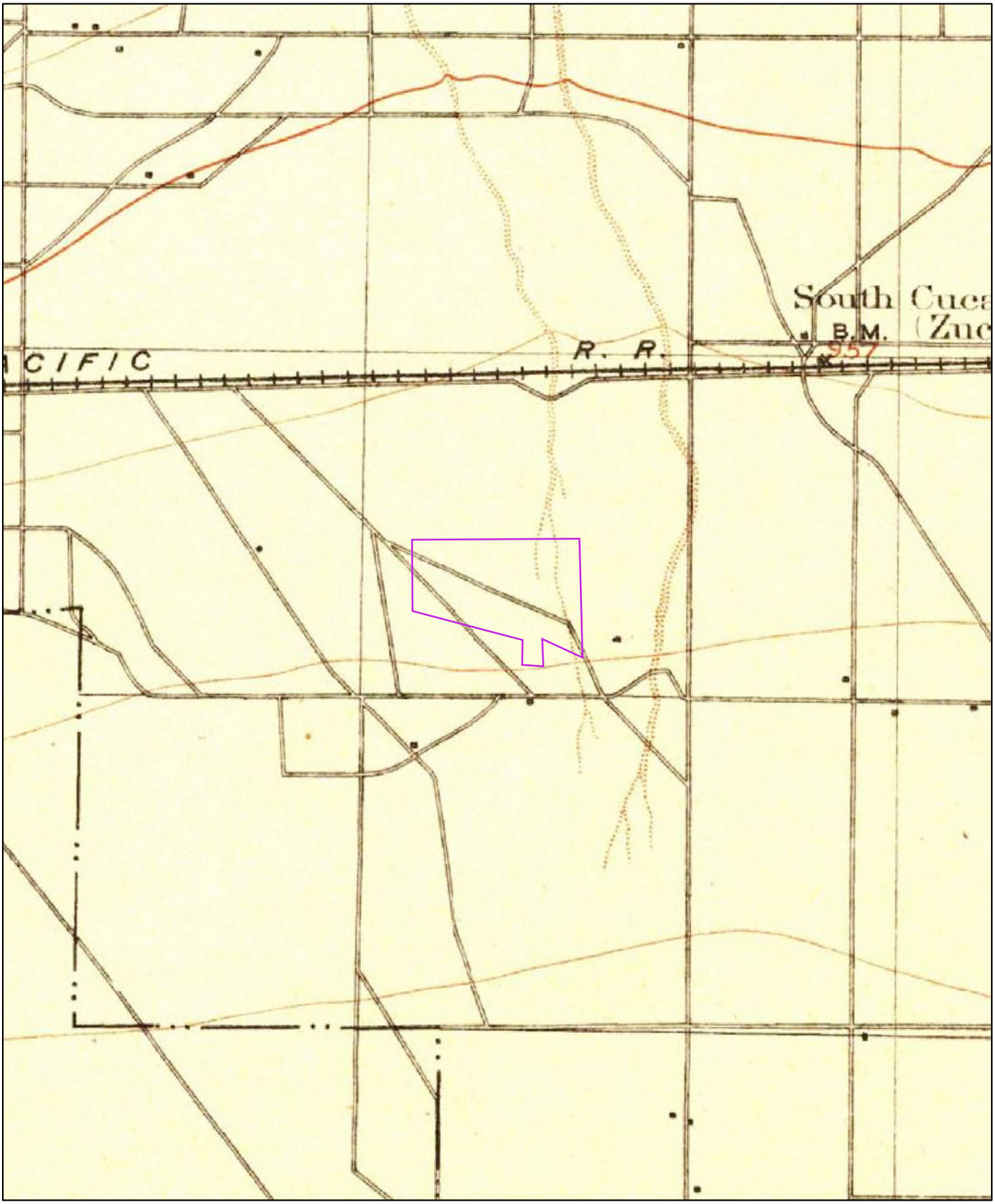
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Order No. 21083000634

Quadrangle(s): Cucamonga,CA

Source: USGS 15 Minute Topographic Map

ERIS



1900

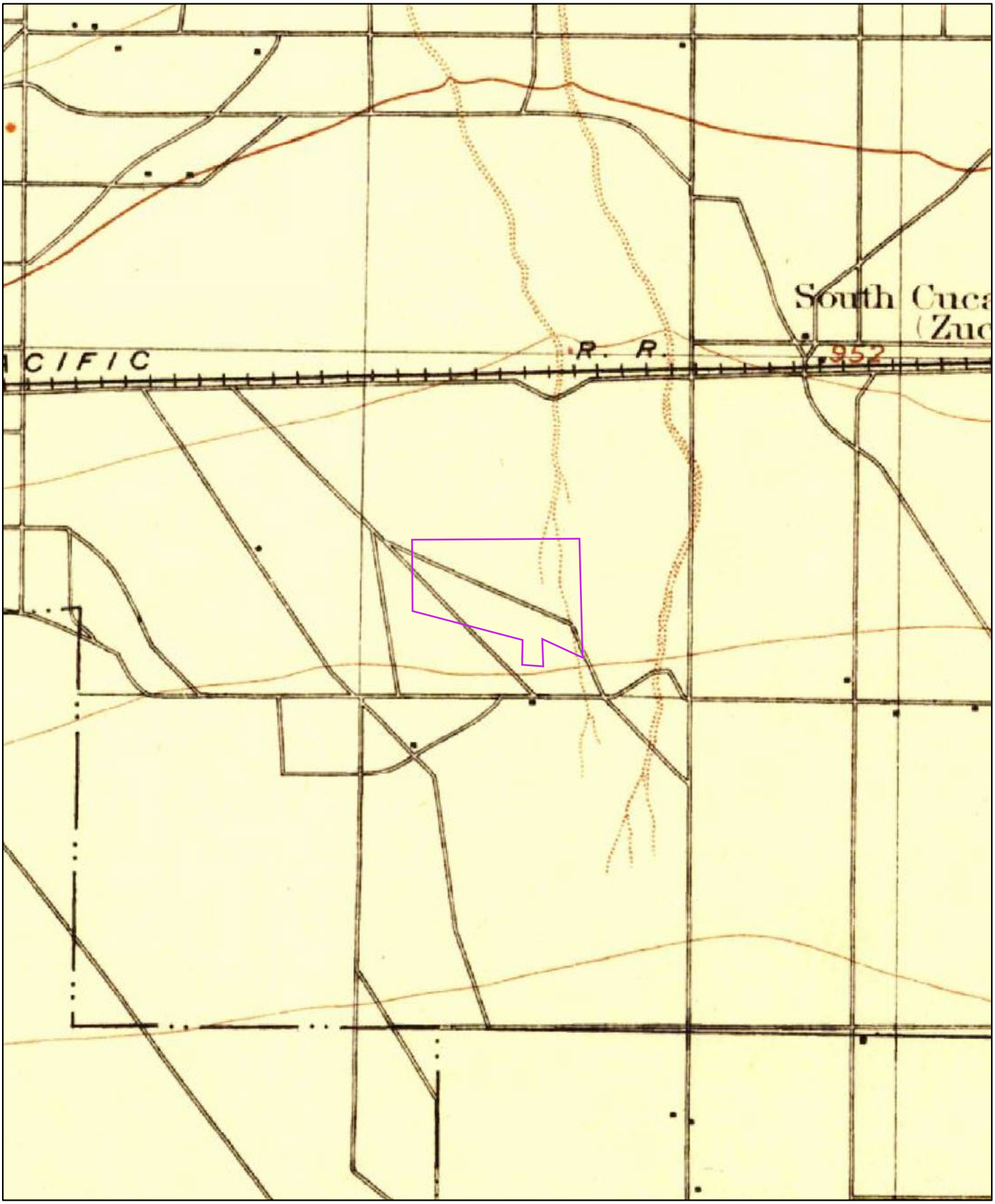
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Order No. 21083000634

Quadrangle(s): Cucamonga,CA

Source: USGS 15 Minute Topographic Map

ERIS



1897

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Order No. 21083000634

Quadrangle(s): Cucamonga,CA

Source: USGS 15 Minute Topographic Map

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Appendix E

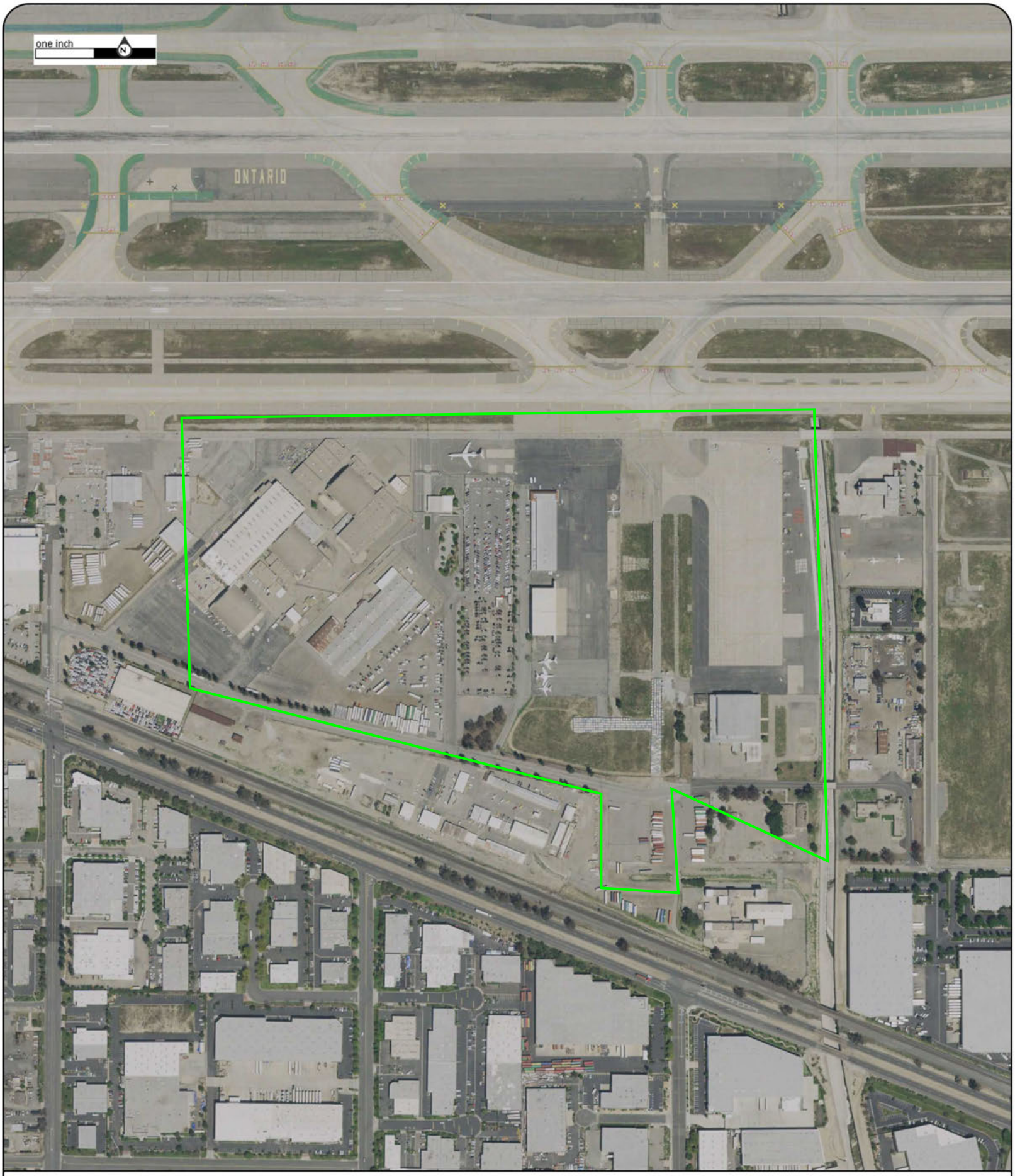
Aerial Photographs

HISTORICAL AERIALS

Project Property: Ontario Airport
Ontario Airport
Ontario CA 91761
Project No: 5925
Requested By: GSI Environmental Inc
Order No: 21083000634
Date Completed: September 01,2021

Environmental Risk Information Services
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Date	Source	Scale	Comments
2020	National Agriculture Information Program	1" = 500'	
2018	National Agriculture Information Program	1" = 500'	
2012	National Agriculture Information Program	1" = 500'	
2010	National Agriculture Information Program	1" = 500'	
2009	National Agriculture Information Program	1" = 500'	
2006	National Agriculture Information Program	1" = 500'	
2005	National Agriculture Information Program	1" = 500'	
2002	US Geological Survey	1" = 500'	
1994	US Geological Survey	1" = 500'	
1985	National High Altitude Photography	1" = 500'	Best Copy Available
1980	US Geological Survey	1" = 500'	
1977	Agriculture and Soil Conservation Service	1" = 500'	
1974	US Geological Survey	1" = 500'	Best Copy Available
1966	US Geological Survey	1" = 500'	
1960	Private Company	1" = 500'	
1952	US Geological Survey	1" = 500'	
1948	US Geological Survey	1" = 500'	
1938	Agriculture and Soil Conservation Service	1" = 500'	
1933	Private Company	1" = 500'	



Year: 2020
Source: NAIP
Scale: 1" = 500'
Comment:

Address: Ontario Airport, Ontario, CA
Approx Center: -117.60419571,34.05140938

Order No: 21083000634

ERIS



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Source: NAIP
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Approx Center: -117.60419571,34.05140938

Order No: 21083000634

ERIS



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Source: NAIP
Scale: 1" = 500'
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Approx Center: -117.60419571,34.05140938

Order No: 21083000634

ERIS



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Order No: 21083000634

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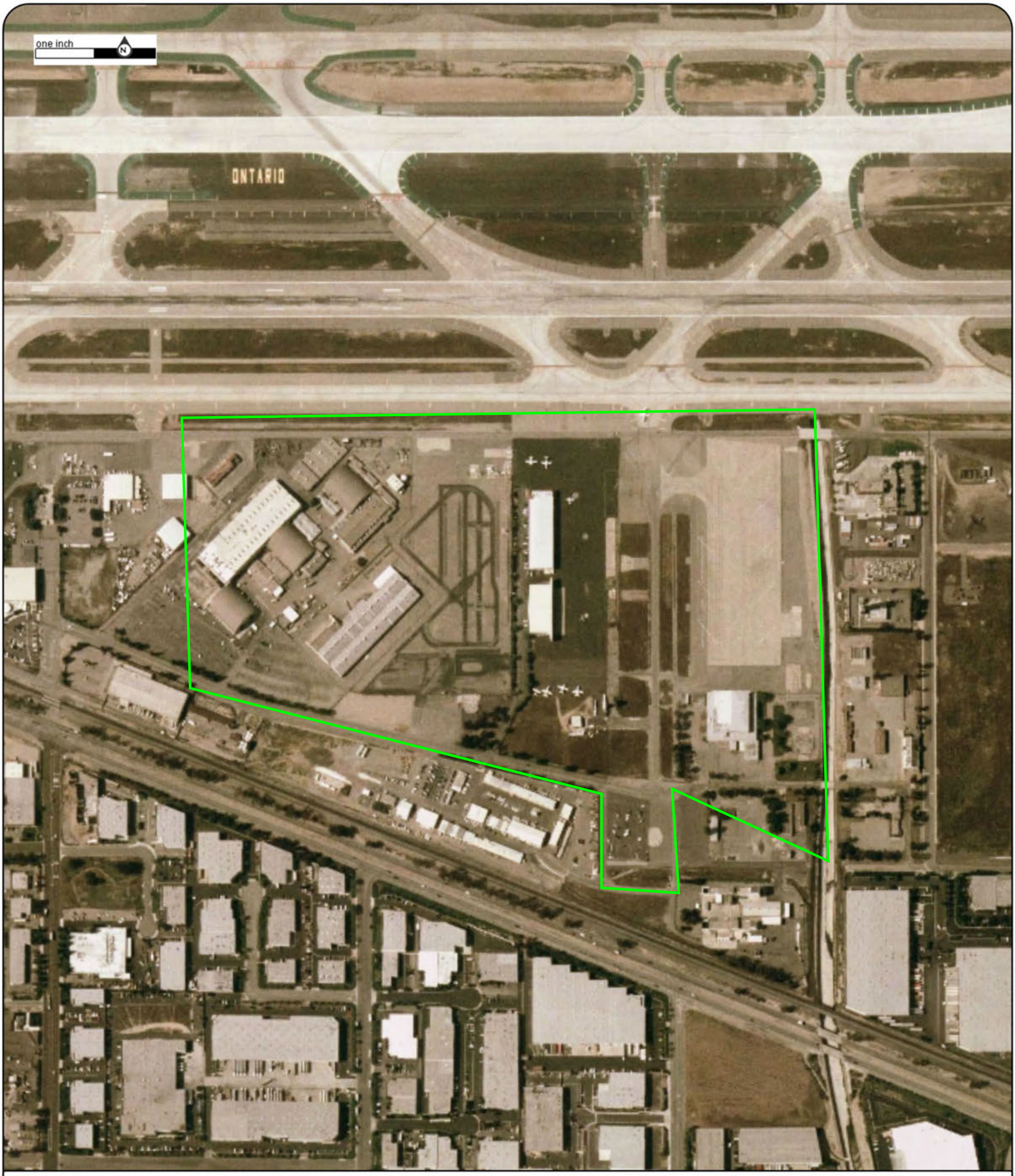


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Order No: 21083000634

ERIS



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Approx Center: -117.60419571,34.05140938

Order No: 21083000634

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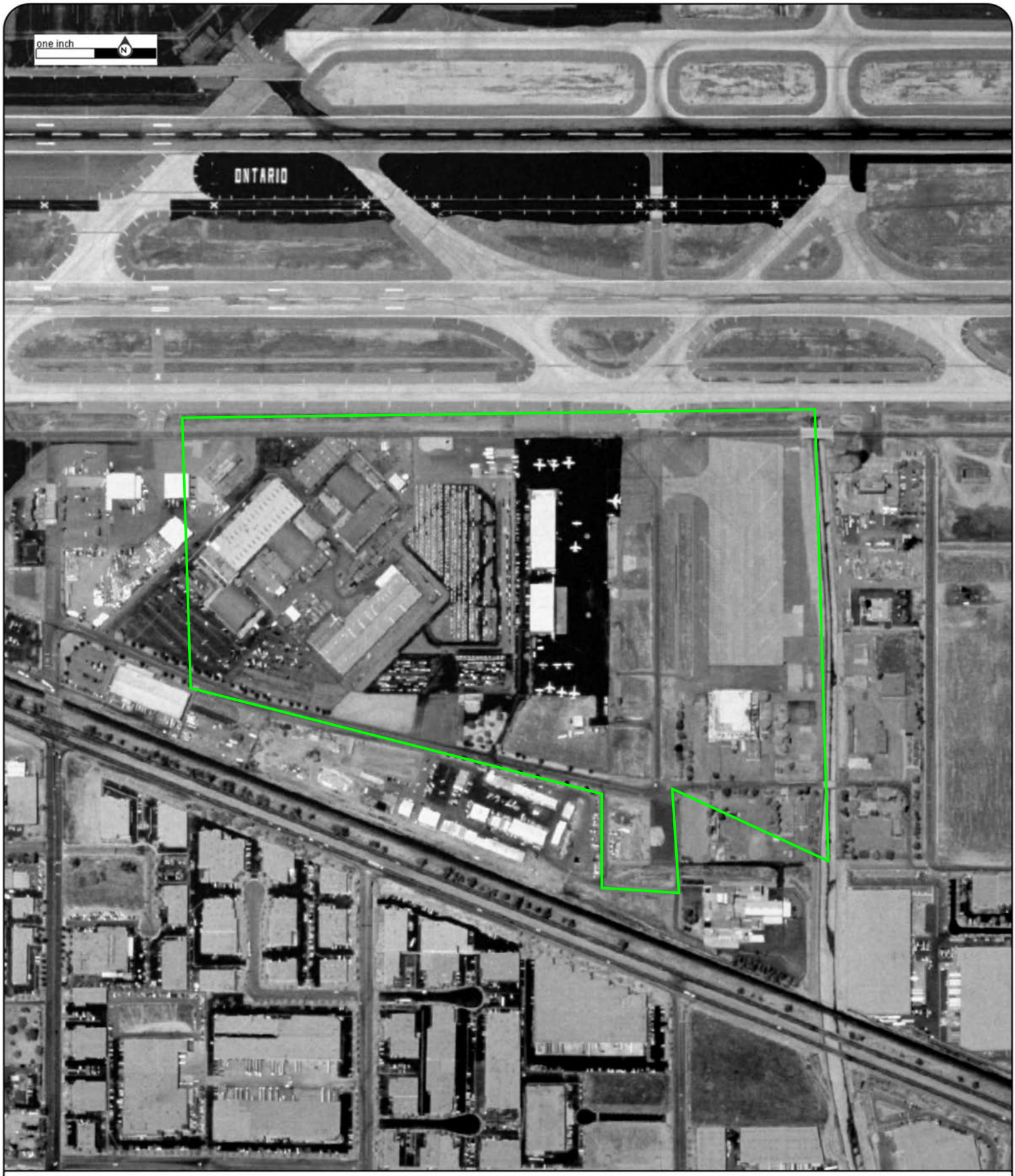


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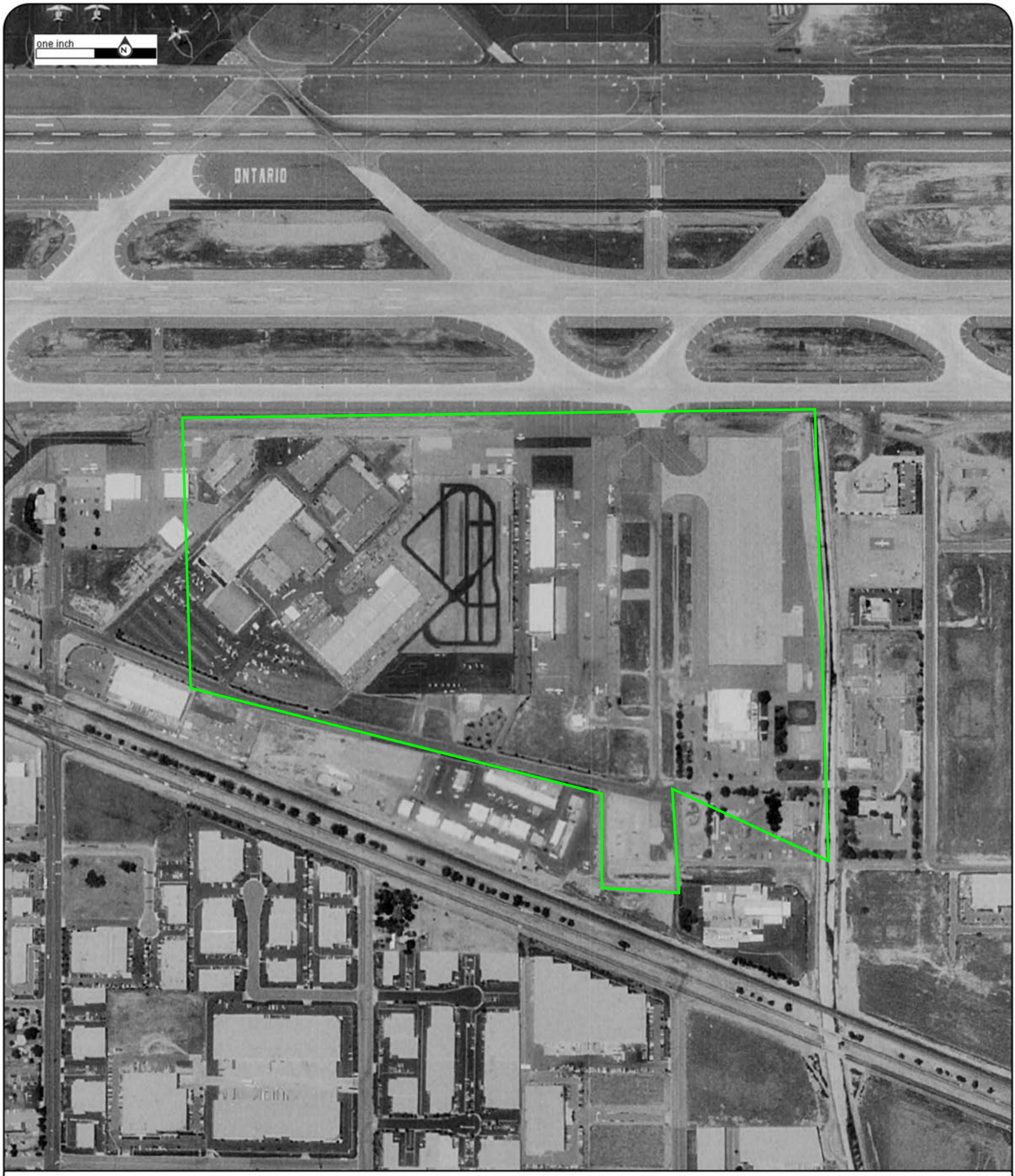


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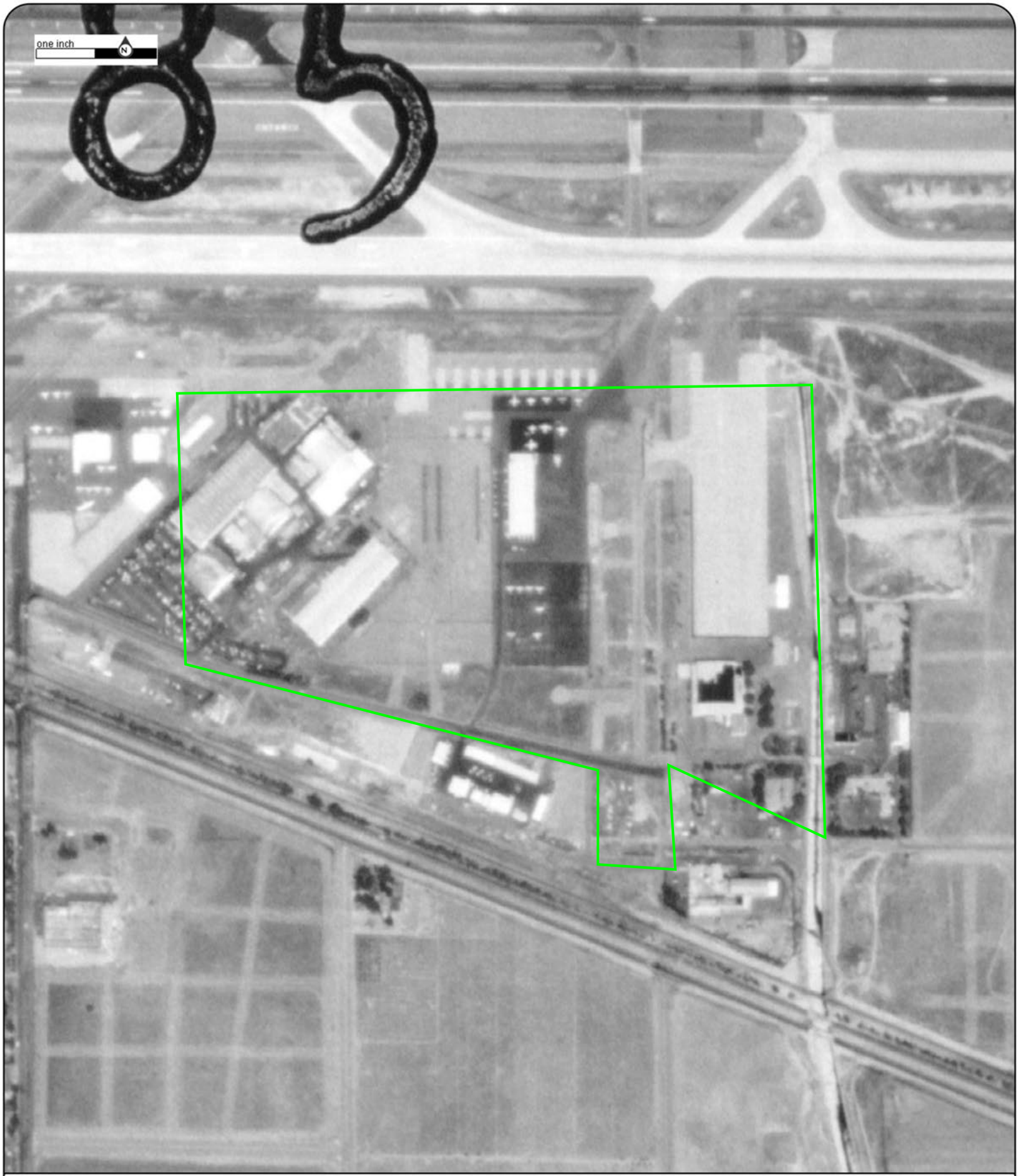


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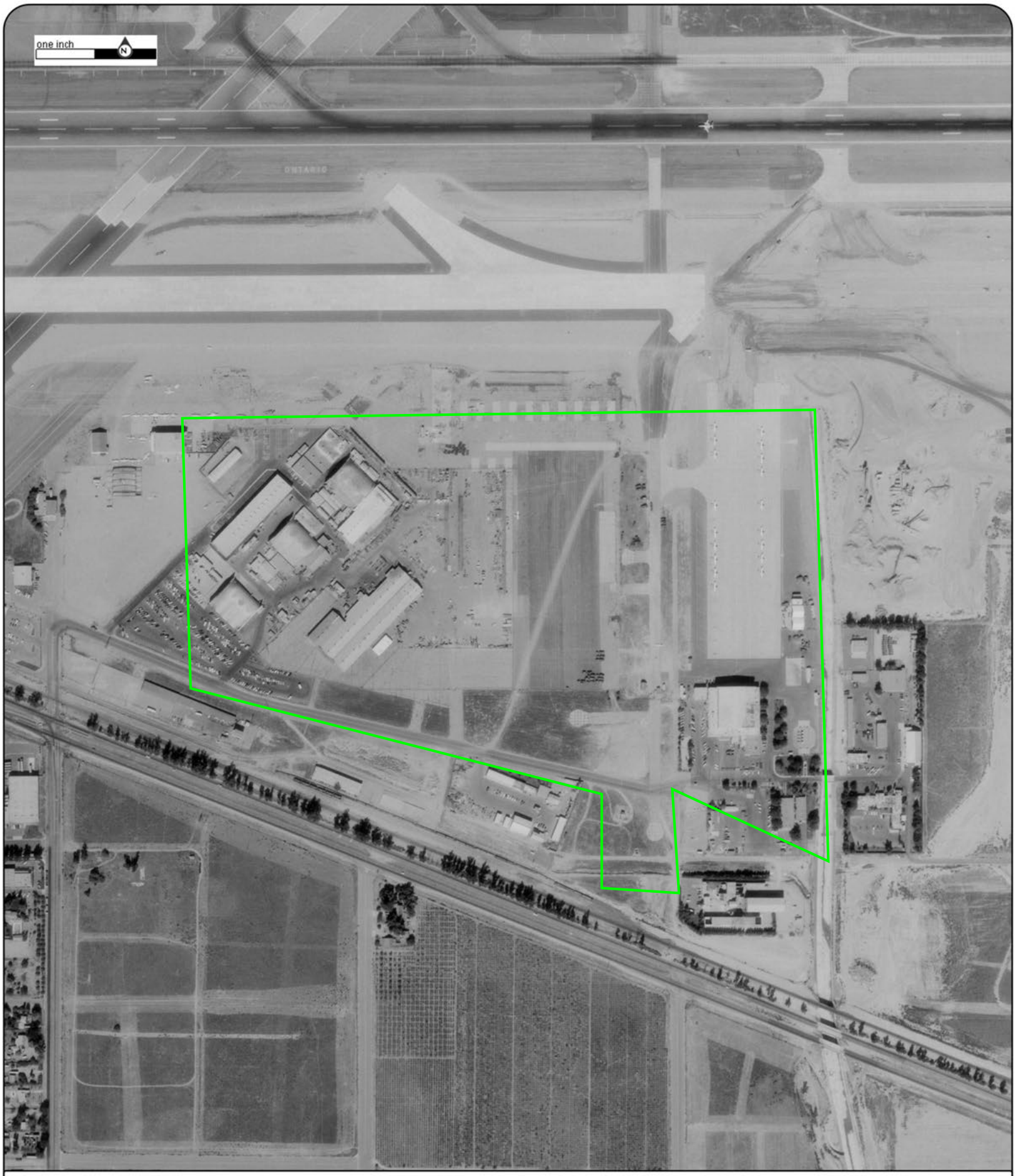


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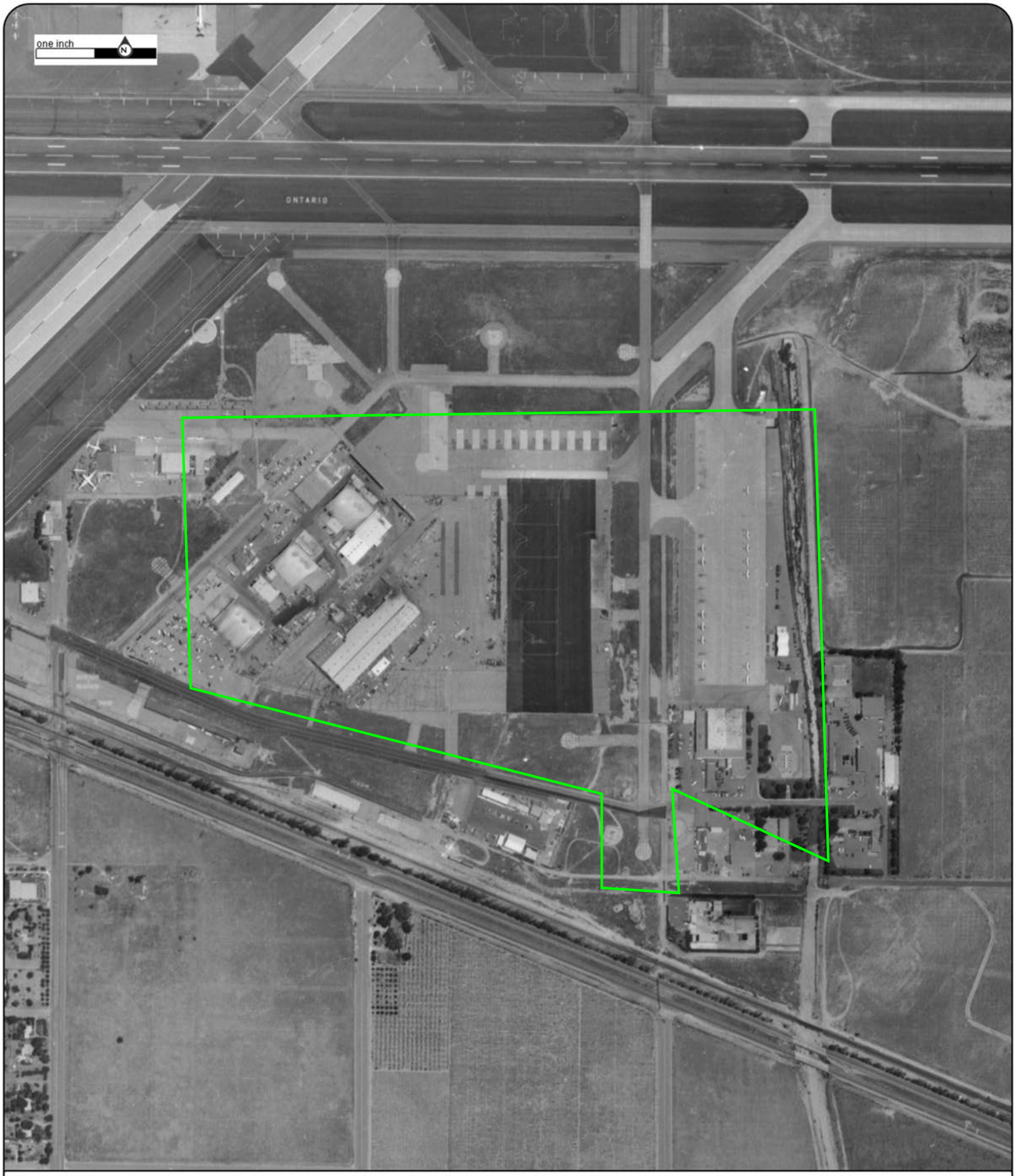


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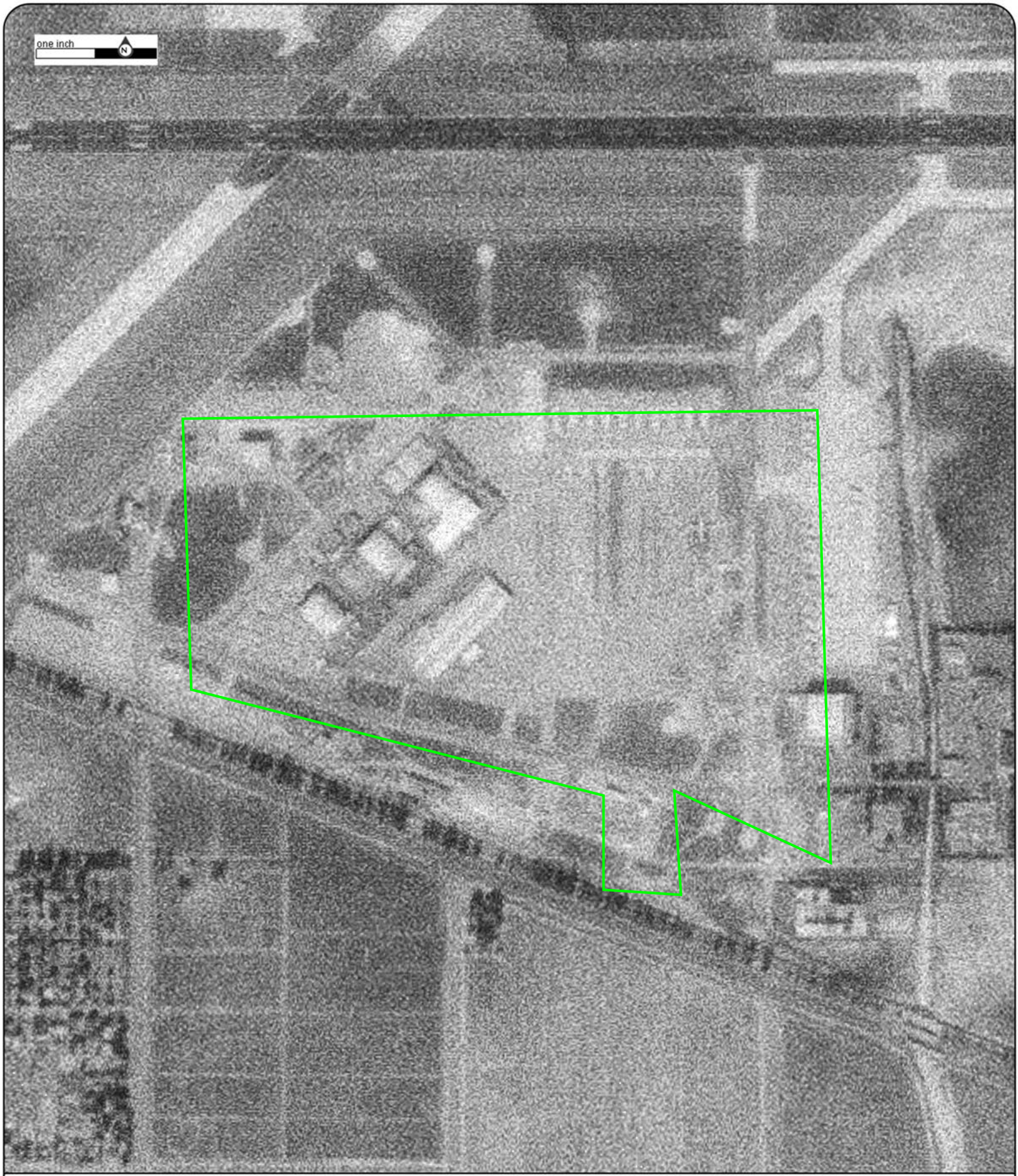


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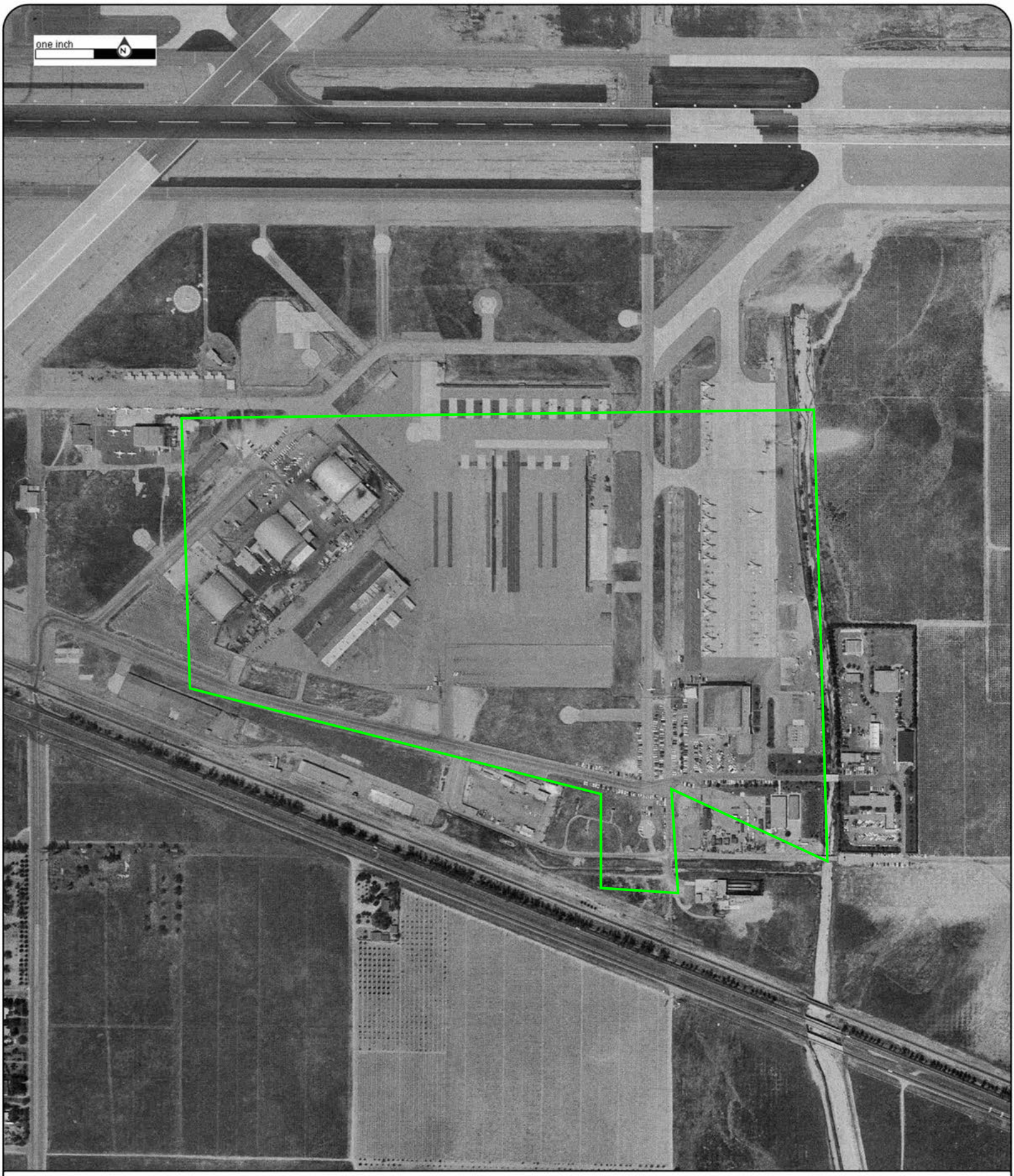


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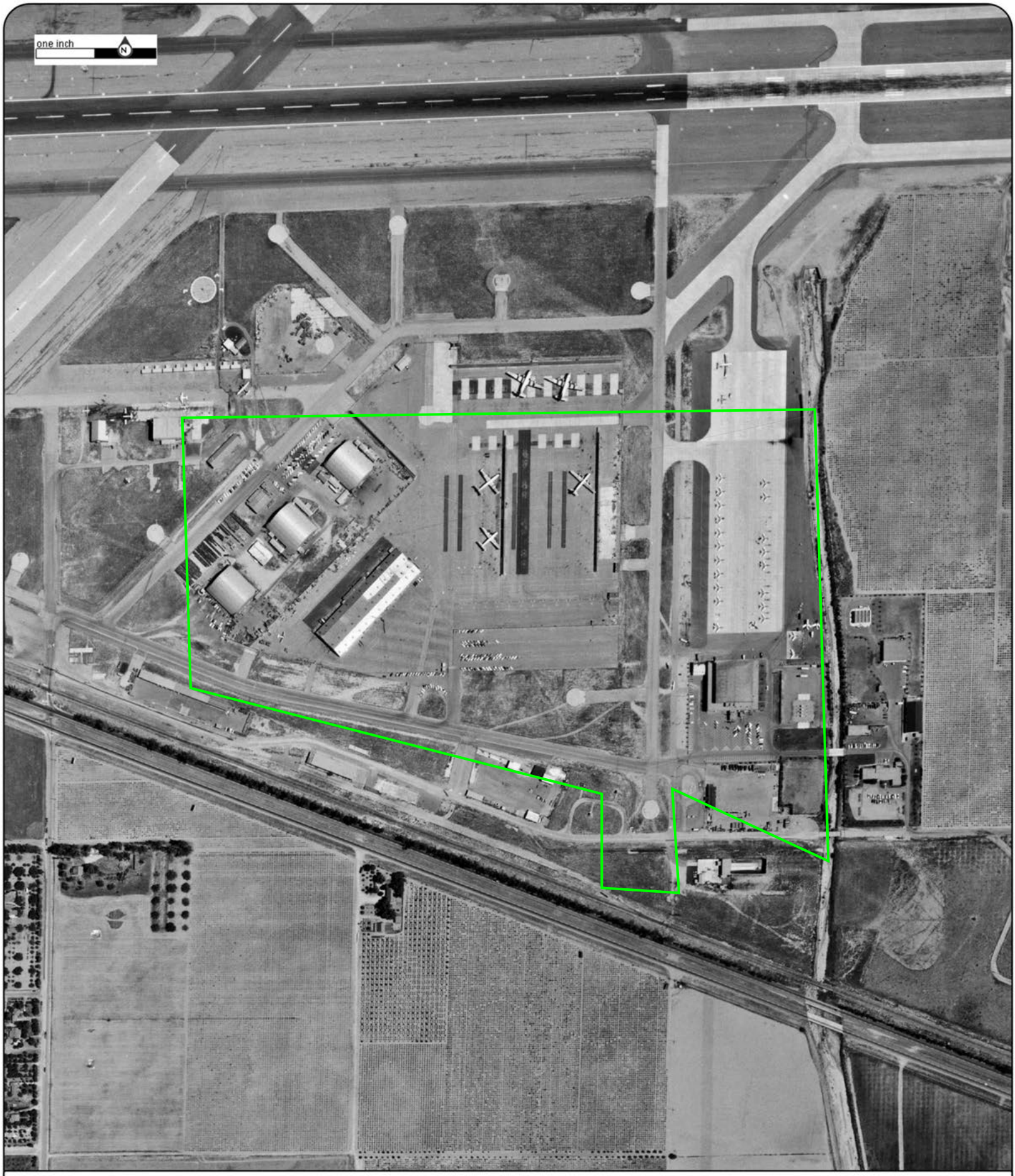


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Approx Center: -117.60419571,34.05140938

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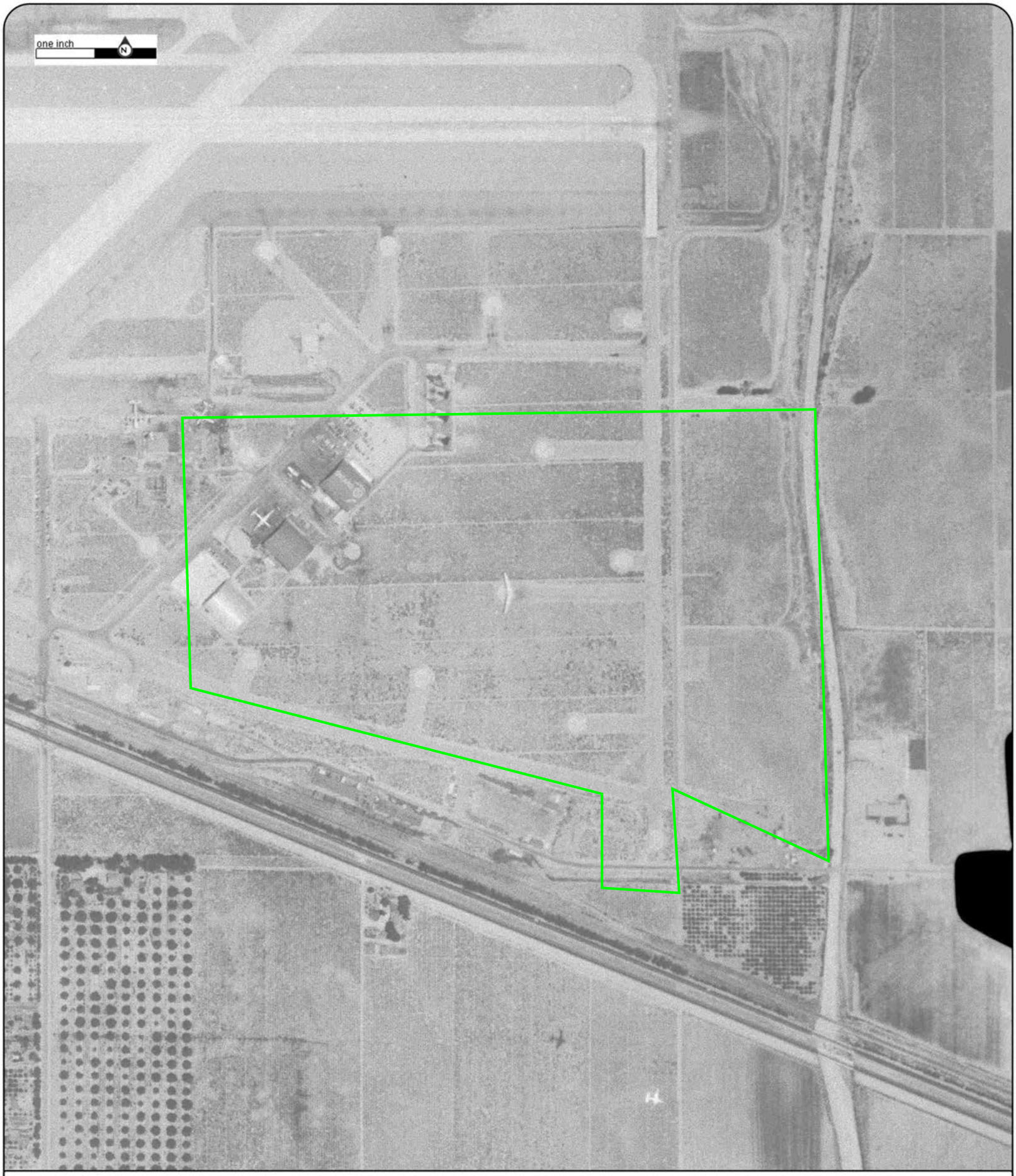


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Approx Center: -117.60419571,34.05140938

Order No: 21083000634

ERIS

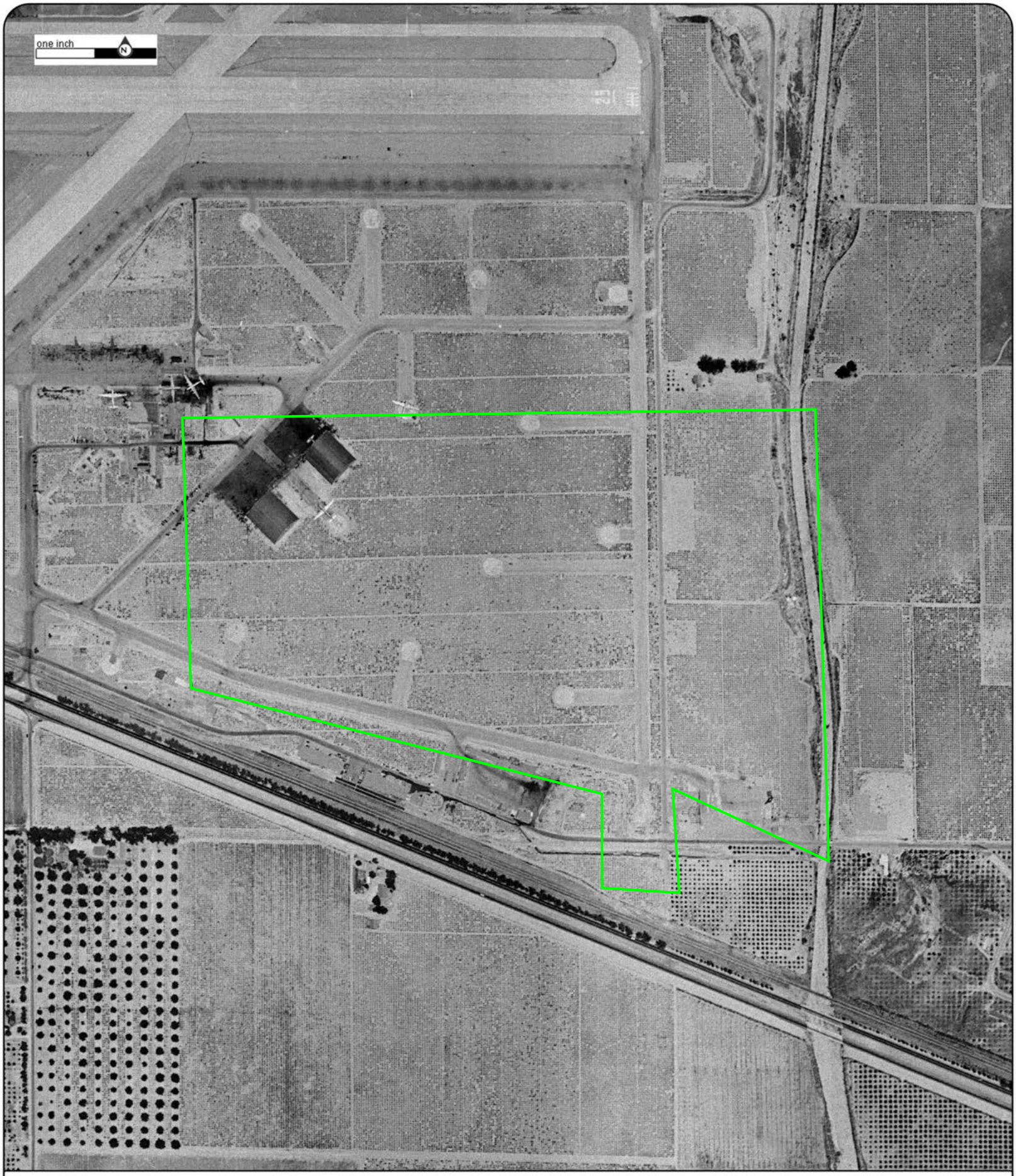


Year: 1952
Source: USGS
Scale: 1" = 500'
Comment:

Address: Ontario Airport, Ontario, CA
Approx Center: -117.60419571,34.05140938

Order No: 21083000634

ERIS

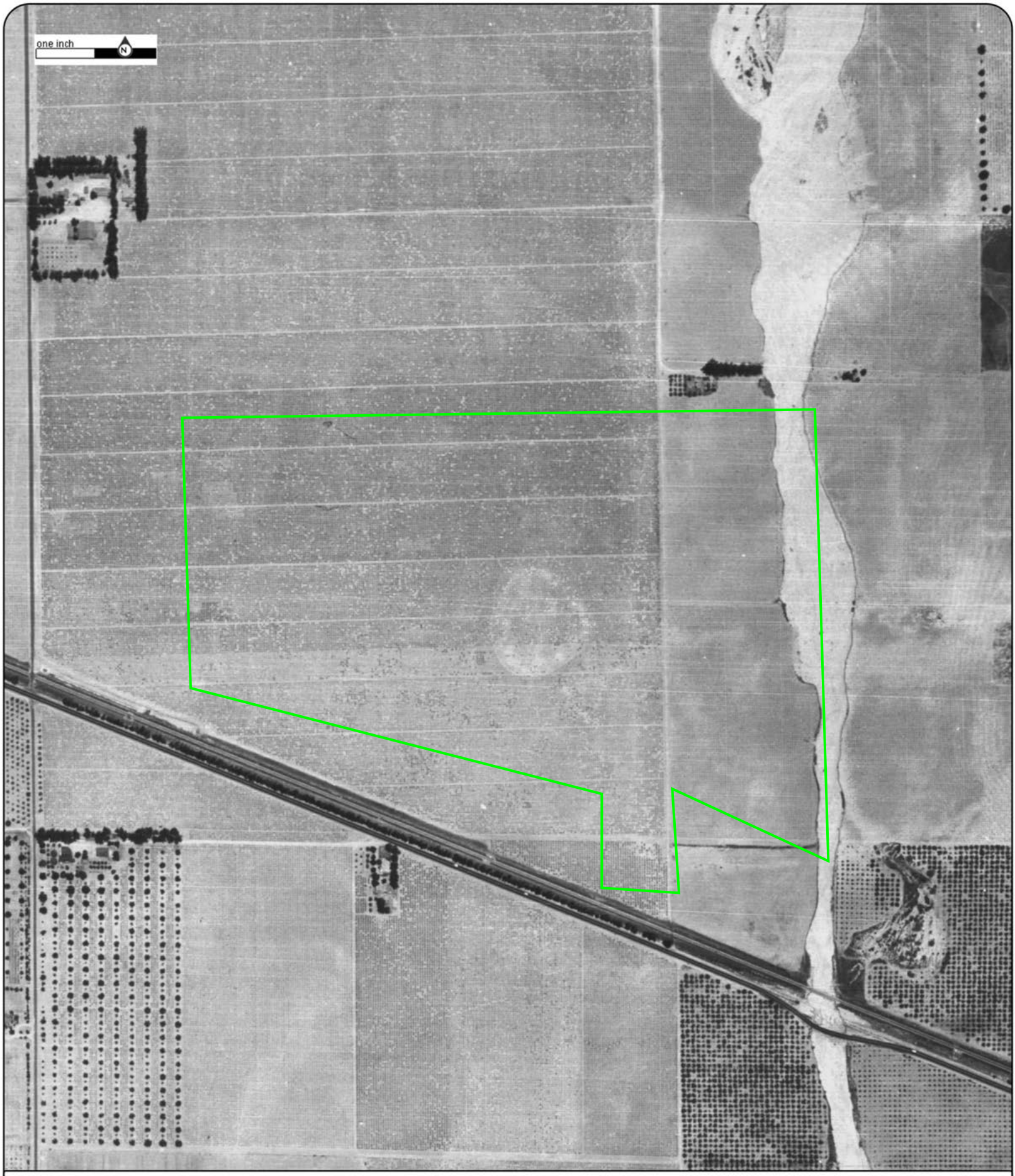


Year: 1948
Source: USGS
Scale: 1" = 500'
Comment:

Address: Ontario Airport, Ontario, CA
Approx Center: -117.60419571,34.05140938

Order No: 21083000634

ERIS

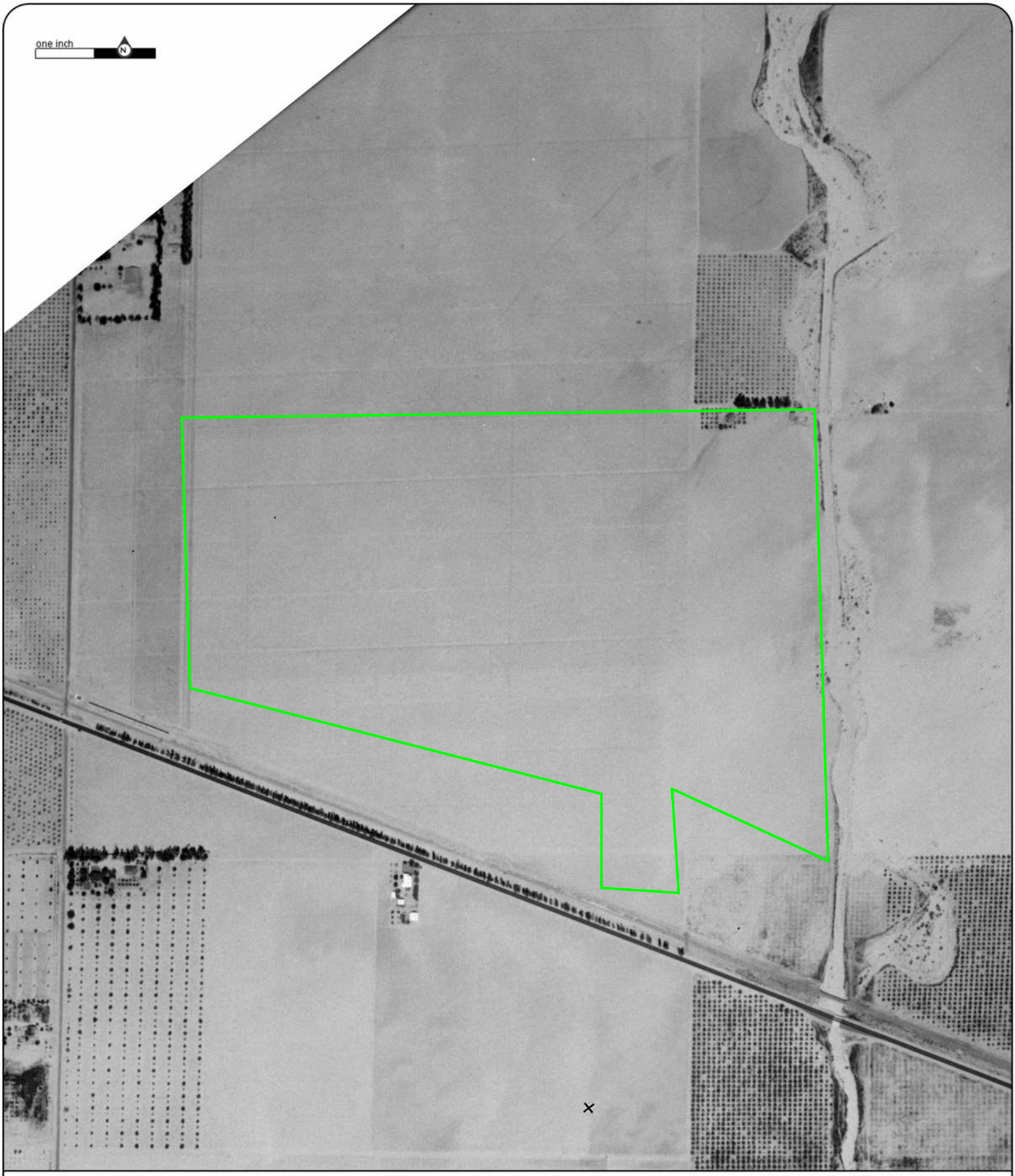


Year: 1938
Source: ASCS
Scale: 1" = 500'
Comment:

Address: Ontario Airport, Ontario, CA
Approx Center: -117.60419571,34.05140938

Order No: 21083000634

ERIS



Year: 1933
Source: FAIRCHILD
Scale: 1" = 500'
Comment:

Address: Ontario Airport, Ontario, CA
Approx Center: -117.60419571,34.05140938

Order No: 21083000634

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Appendix F

City Directories

CITY DIRECTORY

Project Property:	*Ontario Airport* *Ontario Airport* *Ontario, CA 91761*
Project No:	*5925*
Requested By:	*GSI Environmental Inc*
Order No:	*21083000634*
Date Completed:	*September 1, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

September 1, 2021
RE: CITY DIRECTORY RESEARCH
Ontario Airport
Ontario Airport Ontario, CA

Thank you for contac ng ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse lis ng City Directory search to determine prior occupants of the subject site and adjacent proper es. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Lis ng Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either u lized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as mul ple digi zed directories. These do not claim to be a complete collec on of all reverse lis ng city directories produced.

ERIS has made every effort to provide accurate and complete informa on but shall not be held liable for missing, incomplete or inaccurate informa on. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are addi onal addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
All of East Avion
Beg-2000 of South Vineyard Avenue

Search Results Summary

Date	Source	Comment
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2004	DIGITAL BUSINESS DIRECTORY	
2001	HAINES	
1998	DIGITAL BUSINESS DIRECTORY	
1988	HAINES	
1970	GENERAL TELE CALIFORNIA	
1970	GENERAL TELEPHONE OF CALIFORNIIA	
1965	GENERAL TELE CALIFORNIA	
1965	GENERAL TELEPHONE OF CALIFORNIIA	
1951	LA DIR CO	
1951	LA DIRECTORY CO	
1945-46	LA DIR CO	
1940	POLKS	
1937-38	LA DIR CO	
1934	LA DIR CO	
1931	LA DIR CO	
1926	LA DIR CO	
1922-23	LA DIR CO	

1801 **FEDEX**...*Delivery Service*
1923 **COFFEE BEAN TEA LEAF**...*Coffee Shops*
1923 **LOS ANGELES WORLD ARPRTS ADM**...*Business Management Consultants*
2132 **AVIS BUDGET GROUP**...*Automobile Leasing*
2161 **25 HITMAN JG LLC**...*Nonclassified Establishments*
2161 **AMERIFLIGHT LLC**...*Aircraft Charter Rental & Leasing Svc*
2161 **AMERIFLIGHT LLC**...*Federal Government Contractors*
2161 **AMERIFLIGHT LLC**...*Air Cargo Service*
2161 **CINCO AIR CHARTER LLC**...*Aircraft Charter Rental & Leasing Svc*
2161 **JET SUPPORT SVC INC**...*Motorcycle Atv & All Other Motor Vehicle Dealers*
2161 **JET SYSTEM INTL**...*Aircraft Servicing & Maintenance*
2161 **JETT PRO LINE MAINTENANCE INC**...*Federal Government Contractors*
2161 **JETT PRO LINE MAINTENANCE INC**...*Aircraft Servicing & Maintenance*

121 total records. *Part 1 of 3*
1049 **AIRCRAFT SERVICE INTL GROUP**...*Aircraft Equipment Parts & Supplies*
1049 **ASIG**...*Aviation Fuel (whls)*
1049 **ASIG**...*Engineers*
1049 **ASIG**...*Oils-fuel (whls)*
1049 **ASIG**...*Air Cargo Service*
1150 **AZMARK**...*Nonclassified Establishments*
1150 **CERTIFIED AVIATION SVC INC**...*Repair Shops & Related Services Nec*
1150 **GUARDIAN AIR LLC**...*Services Nec*
1150 **JET ZONE**...*Aircraft Servicing & Maintenance*
1150 **KMR AVIATION INC**...*Aircraft Equipment Parts & Supplies*
1150 **KMR AVIATION INC**...*Aviation Consultants*
1150 **MARK AERO LLC**...*Business Management Consultants*
1150 **PASSUR AEROSPACE INC**...*Search Detection & Navigation Instruments*
1150 **TACTICAL AIR SUPPORT INC**...*Nonclassified Establishments*
1400 **PUMPING SOLUTIONS INC**...*Pumping Contractors*
1400 **PUMPING SOLUTIONS INC**...*Construction Companies*
1400 **PUMPING SOLUTIONS INC**...*Federal Government Contractors*
1400 **PUMPING SOLUTIONS INC**...*Sewer Contractors*
1420 **MONARC INDUSTRY**...*Conveyors & Conveying Equipment-mfrs*
1420 **MONARC INDUSTRY**...*Conveyors & Conveying Equipment (whls)*
1425 **FAR FROM ORDINARY PHOTOGRAPHY**...*Photography*
1425 **METRIC MACHINING**...*Current-carrying Wiring Devices (mfrs)*
1425 **METRIC MACHINING**...*Electric Equipment & Supplieswholesale*
1425 **METRIC MACHINING**...*Machine Shops (mfrs)*
1425 **METRIC MACHINING**...*Screw Machine Products (mfrs)*
1440 **RAINBOW TROPIC**...*Ice Cream Parlors*
1440 **RAINBOW TROPIC**...*Ice Cream & Frozen Dessertsdistr (whls)*
1440 **RAINBOW TROPIC**...*Ice Cream & Frozen Desserts (mfrs)*
1460 **FINE MEXICAN FOOD PRODUCTS**...*Food Products (whls)*
1460 **FINE MEXICAN FOOD PRODUCTS**...*Health Food Productswholesale*
1480 **COMPU-METAL**...*Sheet Metal Fabricators (mfrs)*
1490 **C S M WEST**...*Animal Health Products (whls)*
1490 **DIGITAL COLOR WORLD**...*Signs & Advertising Specialties (mfrs)*
1490 **HOPPO`S CUSTOM SUSPENSION WRKS**...*E-commerce*
1490 **MI BEBE NUTRITION INC**...*Distribution Services*
1490 **WORLD DIAMOND TOOL CORP**...*Manufacturers*
1511 **G W ART DECOR INC**...*Interior Decorators Design & Consultants*
1511 **MR FALOON**...*Nonclassified Establishments*
1521 **DEL MAR WIRE & PRODUCTS**...*Automobile Repairing & Service*
1521 **JNJ MECHANICAL**...*Welding Equipment & Supplies (whls)*
1531 **SUNSHINE SUPPLY CO INC**...*Waterproofing Materials (whls)*
1536 **SOUTHWEST REBAR INC**...*Steel-structural (mfrs)*
1536 **SOUTHWEST REBAR INC**...*Steeldistributors & Warehouses (whls)*
1541 **SPARKS BELTING CO**...*Nonclassified Establishments*
1541 **VISUAL SOLUTIONS GROUP**...*Audio-visual Equipment-dealers*
1544 **ARAGON STRIPPING**...*Asphalt Paving Contractors*
1551 **HI PERFORMANCE GOLF CARS**...*Golf Cars & Carts*
1604 **ALL CITIES ENTERPRISES**...*Nonclassified Establishments*
1608 **JIT AUTO PARTS SUPPLY INC**...*Automobile Parts & Supplies-retail-new*
1608 **VINEYARD PROPERTIES SVC**...*Real Estate*
1701 **DADS POKER NIGHT CASINO PARTY**...*Entertainers*
1701 **DADS POKER NIGHT CASINO PARTY**...*Party Supplies-renting*
1701 **GUJU INC**...*Hotels & Motels*

Report ID: 21083000634 - 9/1/2021
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Part 2 of 3

1701 **KURVE**...*Carpet & Rug Dealers-new*
1701 **MAGNISON & MOEN AC & HEATING**...*Furnacesheating (whls)*
1701 **MAGNISON & MOEN AC & HEATING**...*Heating Contractors*
1701 **MAGNISON & MOEN AC & HEATING**...*Air Conditioning Contractors & Systems*
1701 **MAGNISON & MOEN AC & HEATING**...*Restaurant Equipment & Supplies (whls)*
1701 **MODEL PERFECT HOME STAGING**...*Marketing Programs & Services*
1701 **S S TOOL & DIE**...*Special Die & Tool Die Set Jig & Fixture Mfg*
1701 **S S TOOL & DIE**...*Industrial/coml Machinery/equip Nec (mfrs)*
1701 **TOPS CONSULTING GROUP**...*Consultants-business Nec*
1721 **A & N PRECISION DIE**...*Manufacturers*
1721 **AMERICARE SERVICES**...*Services Nec*
1721 **ANGELES PRECISION PRODUCTS**...*General Merchandise-retail*
1721 **B J'S CLEANING**...*House Cleaning*
1721 **CULTURE BEAUTY CO**...*Beauty Salons*
1721 **FROSTLINE INC**...*Refrigerators & Freezers-service/repair*
1721 **J D HANDYMAN**...*Residential Remodelers*
1721 **J D S BELTING & RUBBER PRODS**...*Rubber Products-manufacturers*
1734 **AMESBURY BANDLOCK PRODUCTS**...*Pipeplastic (mfrs)*
1734 **AMESBURY BANDLOCK PRODUCTS**...*Plastics-extruders (mfrs)*
1734 **BANDLOCK CORP**...*Plastics-extruders (mfrs)*
1737 **ANDY GUMP INC**...*Nonclassified Establishments*
1737 **NU-CONCEPTS**...*Manufacturers*
1737 **NU-CONCEPTS**...*Photographerscommercial*
1770 **KAMRAN STAFFING INC**...*Employment Agencies & Opportunities*
1770 **MENTOR MEDIA USA SUPPLY CHAIN**...*Business Management Consultants*
1770 **MENTOR MEDIA USA SUPPLY CHAIN**...*Federal Government Contractors*
1810 **STANFORD UNIVERSITY**...*Schools & Educational Services Nec*
1840 **KING'S RATTAN**...*Furnituredealersretail*
1840 **KING'S RATTAN**...*Oil Burners (whls)*
1840 **KING'S RATTAN**...*Furniture-manufacturers*
1840 **KING'S RATTAN**...*Furniture-dealers-wholesale*
1845 **AIE PHARMACEUTICAL INC**...*Pharmacies*
1845 **AIE PHARMACEUTICAL INC**...*Pharmaceutical Products-wholesale*
1845 **DIGITAL AGE TECHNOLOGIES INC**...*Electronic Equipment & Supplies-retail*
1845 **DIGITAL AGE TECHNOLOGIES INC**...*Cellular Telephones (services)*
1845 **DIGITAL AGE TECHNOLOGIES INC**...*Electronic Equipment & Supplies-whls*
1845 **DIGITAL AGE TECHNOLOGIES INC**...*Electronic Equipment & Suppliesmfrs*
1845 **M M MARKETING LLC**...*Liquorswholesale*
1845 **M M MARKETING LLC**...*Distillers (mfrs)*
1845 **PERFUME CLUB**...*Perfume-wholesale*
1845 **PERFUME CLUB**...*Perfume-retail*
1885 **NEENAH ENTERPRISES**...*White Metal Castings (mfrs)*
1885 **NEENAH ENTERPRISES**...*Concrete Prodsex Block & Brick (mfrs)*
1885 **NEENAH ENTERPRISES**...*Manhole Covers (mfrs)*
1885 **TEAM DYNAMICS**...*Wheels & Wheel Covers*
1885 **UPSTAR USA GROUP**...*Nonclassified Establishments*
1901 **DELTA TECH LIGHTING**...*Automobile Parts & Supplies-retail-new*
1901 **DURIMEX INC**...*Federal Government Contractors*
1909 **AKILES PRODUCTS INC**...*Office Supplies-manufacturers*
1909 **AKILES PRODUCTS INC**...*Wood Productsmanufacturers*
1909 **AKILES PRODUCTS INC**...*Office Supplies*
1909 **AKILES PRODUCTS INC**...*Office Supplies-wholesale*

2020 SOURCE: DIGITAL BUSINESS DIRECTORY
SOUTH VINEYARD AVENUE

Part 3 of 3

1909 **CHARIOT TRAVELWARE**...*Travel Accessories*
1909 **DAMAO LUGGAGE INTL INC**...*Luggage-retail*
1925 **MIDWEST TRUCK & AUTO**...*Heatersautomotive (whls)*
1925 **MIDWEST TRUCK & AUTO**...*Automobile Parts & Supplies-wholesale*
1925 **MIDWEST TRUCK & AUTO**...*Automobile Parts & Supplies-mfrs*
1925 **MIDWEST TRUCK & AUTO**...*Automobile Wrecking (whls)*
1930 **VANTAGE L E D**...*Lighting Fixtures-retail*
1933 **HEAT TRANSFER PRODUCTS LLC**...*General Merchandise-retail*
1933 **R S D TOTAL CONTROLS**...*Refrigerators & Freezers-service/repair*
1933 **REFRIGERATION SUPPLIES DISTR**...*Refrigerating Equip Supls & Parts (whls)*
1933 **TOTAL CONTROL**...*Federal Government Contractors*
1933 **TOTAL CONTROL**...*Refrigerators & Freezers-service/repair*
1941 **JAIN AMERICAS INC**...*Nonclassified Establishments*
1941 **JAIN IRRIGATIONS**...*Irrigation Systems & Equipment (whls)*
1949 **METAL BANK CORP**...*Steel-distributors & Warehouses (whls)*
1957 **CALVARY CHAPEL ONTARIO**...*Churches*

Report ID: 21083000634 - 9/1/2021
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1923 **COFFEE BEAN TEA LEAF**...*Coffee Shops*
2161 **25 HITMAN JG LLC**...*Nonclassified Establishments*
2161 **AIRWAYS XTRA**...*Nonclassified Establishments*
2161 **AMERIFLIGHT LLC**...*Air Cargo Service*
2161 **AMERIFLIGHT LLC**...*Aircraft Charter Rental & Leasing Svc*
2161 **CINCO AIR CHARTER LLC**...*Aircraft Charter Rental & Leasing Svc*
2161 **COAST FLIGHT**...*Nonclassified Establishments*
2161 **JET SUPPORT SVC INC**...*Motorcycle Atv & All Other Motor Vehicle Dealers*
2161 **JET SYSTEM INTL**...*Aircraft Servicing & Maintenance*
2161 **JETT PRO LINE MAINTENANCE INC**...*Aircraft Servicing & Maintenance*

88 total records. *Part 1 of 2*

1049 **AIRCRAFT SERVICE INTL GROUP**...*Aircraft Equipment Parts & Supplies*
1049 **ASIG**...*Oils-fuel (whls)*
1049 **ASIG**...*Aviation Fuel (whls)*
1150 **AZMARK**...*Nonclassified Establishments*
1150 **JET ZONE**...*Aircraft Servicing & Maintenance*
1150 **KMR AVIATION INC**...*Aviation Consultants*
1150 **MARK AERO LLC**...*Business Management Consultants*
1150 **PASSUR AEROSPACE INC**...*Search Detection & Navigation Instruments*
1150 **TACTICAL AIR SUPPORT INC**...*Nonclassified Establishments*
1150 **WINGS AVIATION TECHNICAL SVC**...*Aircraft Servicing & Maintenance*
1400 **PUMPING SOLUTIONS INC**...*Pumping Contractors*
1400 **PUMPING SOLUTIONS INC**...*Federal Government Contractors*
1420 **MONARC INDUSTRY**...*Conveyors & Conveying Equipment-mfrs*
1425 **FAR FROM ORDINARY PHOTOGRAPHY**...*Photography*
1425 **GOE ENGINEERING CO**...*Machine Shops (mfrs)*
1425 **METRIC MACHINING**...*Current-carrying Wiring Devices (mfrs)*
1425 **METRIC MACHINING**...*Screw Machine Products (mfrs)*
1440 **RAINBOW TROPIC**...*Ice Cream Parlors*
1460 **FINE MEXICAN FOOD PRODUCTS**...*Food Products (whls)*
1480 **COMPU-METAL**...*Sheet Metal Fabricators (mfrs)*
1490 **C S M WEST**...*Animal Health Products (whls)*
1490 **DIGITAL COLOR WORLD**...*Signs & Advertising Specialties (mfrs)*
1490 **GLOBAL INTERNATIONAL**...*Call Centers*
1490 **NAYA SERVICES INC**...*Services Nec*
1511 **MR FALOON**...*Nonclassified Establishments*
1521 **DEL MAR WIRE & PRODUCTS**...*Automobile Repairing & Service*
1521 **JNJ MECHANICAL**...*Welding Equipment & Supplies (whls)*
1531 **SUNSHINE SUPPLY CO INC**...*Waterproofing Materials (whls)*
1536 **SOUTHWEST REBAR INC**...*Steel-structural (mfrs)*
1541 **REXEL**...*Electric Equipment-manufacturers*
1544 **ARAGON STRIPPING**...*Asphalt Paving Contractors*
1551 **ADVANCED SERVO TECH INC**...*Electric Motors-manufacturers*
1608 **JIT AUTO PARTS SUPPLY INC**...*Automobile Parts & Supplies-retail-new*
1608 **VINEYARD PROPERTIES SVC**...*Property Maintenance*
1608 **VINEYARD PROPERTIES SVC**...*Real Estate*
1620 **NATURESTAR BIO-TECH INC**...*Vitamin & Food Supplements*
1701 **DADS POKER NIGHT CASINO PARTY**...*Party Supplies-renting*
1701 **KURVE**...*Carpet & Rug Dealers-new*
1701 **MAGNISON & MOEN AC & HEATING**...*Heating Contractors*
1701 **MAGNISON & MOEN AC & HEATING**...*Air Conditioning Contractors & Systems*
1701 **MASTER GRAPHICS**...*Graphic Designers*
1701 **MODEL PERFECT HOME STAGING**...*Marketing Programs & Services*
1701 **S S TOOL & DIE**...*Special Die & Tool Die Set Jig & Fixture Mfg*
1701 **SHOP ELECTRIC WHOLESALE**...*Electronic Equipment & Supplies-whls*
1701 **TOPS CONSULTING GROUP**...*Consultants-business Nec*
1721 **A & N PRECISION DIE**...*Manufacturers*
1721 **AMERICARE SERVICES**...*Services Nec*
1721 **B J`S CLEANING**...*House Cleaning*
1721 **FROSTLINE INC**...*Refrigerators & Freezers-service/repair*
1721 **J C FLOOR COVERING**...*Floor Coverings-retail*
1721 **J D HANDYMAN**...*Residential Remodelers*
1721 **J D S BELTING & RUBBER PRODS**...*Rubber Products-manufacturers*
1721 **PAREBHA MAGNETICS CORP**...*Magnets & Magnetic Devices (whls)*

Report ID: 21083000634 - 9/1/2021
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Part 2 of 2

1734 **AMESBURY BANDLOCK PRODUCTS**...*Plastics-extruders (mfrs)*
1734 **BANDLOCK CORP**...*Plastics-extruders (mfrs)*
1737 **ANDY GUMP INC**...*Nonclassified Establishments*
1737 **NU-CONCEPTS**...*Manufacturers*
1770 **KAMRAN STAFFING INC**...*Employment Agencies & Opportunities*
1770 **MENTOR MEDIA USA SUPPLY CHAIN**...*Business Management Consultants*
1840 **KING'S RATTAN**...*Furniture-dealers-wholesale*
1840 **KING'S RATTAN**...*Furniture-manufacturers*
1845 **AIE PHARMACEUTICAL INC**...*Pharmaceutical Products-wholesale*
1845 **AIE PHARMACEUTICAL INC**...*Pharmaceutical Products-wholesale*
1845 **DIGITAL AGE TECHNOLOGIES INC**...*Electronic Equipment & Supplies-whls*
1845 **DIGITAL AGE TECHNOLOGIES INC**...*Electronic Equipment & Supplies-retail*
1845 **M M MARKETING LLC**...*Distillers (mfrs)*
1845 **PERFUME CLUB**...*Perfume-retail*
1845 **PERFUME CLUB**...*Perfume-wholesale*
1885 **CALIFORNIA ELECTRONIC ASSET**...*Recycling Centers (whls)*
1885 **NEENAH ENTERPRISES**...*White Metal Castings (mfrs)*
1885 **NEENAH ENTERPRISES**...*Foundries-steel (mfrs)*
1885 **NEENAH ENTERPRISES**...*Foundries-steel (mfrs)*
1885 **TEAM DYNAMICS**...*Wheels & Wheel Covers*
1885 **UPSTAR USA GROUP**...*Nonclassified Establishments*
1901 **DELTA TECH LIGHTING**...*Automobile Parts & Supplies-retail-new*
1909 **AKILES PRODUCTS INC**...*Office Supplies-wholesale*
1909 **AKILES PRODUCTS INC**...*Office Supplies-manufacturers*
1909 **CHARIOT TRAVELWARE**...*Travel Accessories*
1925 **MIDWEST TRUCK & AUTO**...*Automobile Parts & Supplies-mfrs*
1925 **MIDWEST TRUCK & AUTO**...*Automobile Parts & Supplies-wholesale*
1930 **BAE SYSTEMS**...*Electronic Equipment & Supplies-mfrs*
1930 **BAE SYSTEMS**...*Machine Shops (mfrs)*
1930 **VANTAGE L E D**...*Lighting Fixtures-retail*
1933 **R S D TOTAL CONTROLS**...*Refrigerators & Freezers-service/repair*
1933 **RSD TOTAL CONTROL**...*Refrigerators & Freezers-service/repair*
1933 **TOTAL CONTROL**...*Refrigerators & Freezers-service/repair*
1949 **METAL BANK CORP**...*Steel-distributors & Warehouses (whls)*
1957 **CALVARY CHAPEL ONTARIO**...*Churches*

1801 **FEDEX WORLD SVC CTR**...*Business Service Centers*
1902 **FEDEX**...*Delivery Service*
1902 **LSG SKY CHEFS INC**...*Caterers*
2161 **25 HITMAN JG LLC**...*Nonclassified Establishments*
2161 **AMERIFLIGHT LLC**...*Air Cargo Service*
2161 **ATLANTIC AVIATION**...*Aircraft Servicing & Maintenance*
2161 **JET SYSTEM INTL**...*Aircraft Servicing & Maintenance*

2012 SOUTH VINEYARD AVENUE

SOURCE: DIGITAL BUSINESS DIRECTORY

126 **DOLLAR THRIFTY AUTOMOTIVE**...*Automobile Repairing & Service*
1049 **ASIG**...*Aviation Fuel (whls)*
1150 **GUARDIAN AIR SVC LLC**...*Services Nec*
1150 **JET ZONE**...*Aircraft Servicing & Maintenance*
1150 **KMR AVIATION INC**...*Aviation Consultants*
1150 **WINGS AVIATION TECHNICAL SVC**...*Aircraft-dealers*
1400 **PUMPING SOLUTIONS INC**...*Pumping Contractors*
1420 **MONARC INDUSTRY**...*Conveyors & Conveying Equipment-mfrs*
1425 **GOE ENGINEERING CO**...*Machine Shops (mfrs)*
1425 **METRIC MACHINING**...*Screw Machine Products (mfrs)*
1440 **FINE MEXICAN FOOD PRODUCTS**...*Food Products (whls)*
1440 **RAINBOW TROPIC INC**...*Ice Cream & Frozen Desserts (mfrs)*
1460 **ZERO ZERO MOLDING**...*Manufacturers*
1480 **COMPU-METAL**...*Sheet Metal Fabricators (mfrs)*
1511 **BEARINGS & DRIVES INC**...*Bearings (whls)*
1511 **RYAN HERCO FLOW SOLUTIONS**...*Plastics-products-finished-wholesale*
1521 **DEL MAR WIRE REPAIR**...*Automobile Electric Service*
1521 **JNJ MECHANICAL**...*Welding Equipment & Supplies (whls)*
1536 **SOUTHWEST REBAR INC**...*Steel-structural (mfrs)*
1544 **J & S STRIPING**...*Asphalt Paving Contractors*
1604 **NEXT LEVEL STAFFING**...*Personnel Consultants*
1608 **JIT AUTO PARTS SUPPLY INC**...*Automobile Parts & Supplies-retail-new*
1608 **VINEYARD PROPERTIES SVC**...*Real Estate*
1620 **NATURESTAR BIO-TECH INC**...*Marketing Programs & Services*
1701 **MAGNISON & MOEN AC & HEATING**...*Heating Contractors*
1701 **MASTER GRAPHICS**...*Graphic Designers*
1701 **ZEMAN ENTERPRISE**...*Molds (mfrs)*
1721 **A & N PRECISION DIE**...*Manufacturers*
1721 **LETTERPRESS X-PRESS**...*Printers (mfrs)*
1721 **ONTARIO ENGINEERING MFG**...*Molds (mfrs)*
1721 **PAREBHA MAGNETICS CORP**...*Magnets & Magnetic Devices (whls)*
1734 **AMESBURY BANDLOCK PRODUCTS**...*Plastics-extruders (mfrs)*
1734 **BANDLOCK CORP**...*Plastics-extruders (mfrs)*
1737 **NU-CONCEPTS**...*Manufacturers*
1770 **MENTOR MEDIA USA SUPL CHAIN**...*Business Management Consultants*
1840 **KING'S RATTAN**...*Furniture-dealers-wholesale*
1845 **AIE PHARMACEUTICAL INC**...*Pharmaceutical Products-wholesale*
1845 **DIGITAL AGE TECHNOLOGIES INC**...*Electronic Equipment & Supplies-repair*
1845 **PERFUME CLUB**...*Perfume-wholesale*
1885 **OPTODISC AMERICA INC**...*Media Brokers*
1885 **TEAM DYNAMICS**...*Wheels & Wheel Covers*
1925 **MIDWEST TRUCK & AUTO**...*Automobile Parts & Supplies-wholesale*
1930 **BAE SYSTEMS**...*Electronic Equipment & Supplies-mfrs*
1933 **RSD TOTAL CONTROL**...*Air Conditioning Supplies & Parts (whls)*
1949 **METAL BANK CORP**...*Steel-distributors & Warehouses (whls)*
1957 **CALVARY CHAPEL ONTARIO**...*Churches*

2008 EAST AVION

SOURCE: DIGITAL BUSINESS DIRECTORY

1902 **LSG SKY CHEFS INC**...*Caterer/contract Service*
1902 **LSG SKY CHEFS INC**...*Caterers*
1923 **GE**...*Repair Services Airport/airport Services Whol Transport*
1923 **GE CO**...*Aircraft Engines & Engine Parts-mfrs*
1923 **GENERAL ELECTRIC CAFE**...*Cafes*
2161 **25 HITMAN JGLLC**...*Nclassifiable Estab*
2161 **ALLEGRO AIR CHARTERS LLC**...*Heating,air Cond Cont*
2161 **AMERIFLIGHT**...*Aircraft Charter Rental & Leasing Svc*
2161 **AMERIFLIGHT**...*Aircraft Rental*
2161 **AMERIFLIGHT INC**...*Equipment Rental/leasing*
2161 **HERTZ CORP**...*Automobile Leasing*
2161 **JET SUPPORT SVC INC**...*Airports & Term Svs*
2161 **JET SYSTEM INTL**...*Airports & Term Svs*
2161 **MERCURY AIR CENTER**...*Airport/airport Services*
2161 **MERCURY AIR CTR**...*Aircraft Servicing & Maintenance*
2161 **MERCURY AIR CTR**...*Airports & Term Svs*
2161 **MONTANA AVIATION LLC**...*Aircraft-dealers*
2161 **POLICE AIR SUPPORT UNIT**...*Police Protection Whol Transportation Equipment*
2161 **STARJET INC**...*Bus Consulting Nec*

128 total records. *Part 1 of 3*

525 **CUBIC WESTERN DATA**...*Nonclassified Establishments*
525 **PARKING CONCEPTS**...*Automobile Parking*
1049 **AIRCRAFT SERVICE INTL**...*Aircraft Eqp/parts*
1049 **AIRCRAFT SERVICE INTL GROUP**...*Aircraft Ground Support & Service Equip*
1049 **AMERICAN LAFRANCE**...*Fire Department Equipment & Supls (whol)*
1049 **ASIG**...*Airport/airport Services*
1049 **ASIG**...*Whl Petroleum Pdts*
1070 **SUNRISE RENT A CAR**...*Automobile Renting*
1150 **JETRIDE PRIVATE CHARTER**...*Aircraft Rental*
1150 **K M R AVIATION INC**...*Aircraft Charter Service*
1150 **KMR AVIATION INC**...*Aircraft Charter Rental & Leasing Svc*
1150 **KMR AVIATION INC**...*Aircraft Rental*
1150 **MONTANA AVIATION LLC**...*Bus Consulting Nec*
1150 **NORTH AMERICAN JET CHARTER**...*Aircraft Charter Rental & Leasing Svc*
1150 **PINNACLE AVIATION INC**...*Aircraft Servicing & Maintenance*
1400 **CRATEWAY LLC**...*Packaging Materials-wholesale*
1400 **PUMPING SOLUTIONS**...*Indus Mchy & Eqp*
1400 **PUMPING SOLUTIONS**...*Pumps (wholesale)*
1420 **MONARC INDUSTRY**...*Conveyors rel Eqp*
1420 **MONARC PULLEY**...*Mfg Hardware & Vulcanization Of Rubber*
1425 **GOE ENGINEERING CO**...*Screw Machine Products (manufacturers)*
1425 **GOE ENGINEERING CO**...*Industrial Mchy Nec*
1425 **HOOD PRECISION**...*Mfg Screw Machine Products*
1425 **METRIC MACHINING**...*Cur-carrying Wir Dv*
1425 **METRIC MACHINING SUBSIDIARIES**...*Automatic Screw Machine Job Shop*
1440 **FINE MEXICAN FOOD PRODUCTS**...*Whl Gen Groceries*
1440 **RAINBOW TROPIC**...*Ice Cream /frozen Dessrts*
1490 **ALLIED HYDRAULIC SVC**...*Hydraulic Equipment-manufacturers*
1490 **ALLIED HYDRAULIC SVC**...*Turbines generators*
1490 **CANYON REBAR**...*Iron steel ferr Pdts*
1490 **TRINITY PACKAGING LLC**...*Packaging Sys*
1490 **UNIVERSAL WHOLESALE INC**...*Whl Gen Groceries*
1490 **UNIVERSAL WHOLESALE INC**...*Grocers-wholesale*
1511 **BEARINGS & DRIVES INC**...*Bearings*
1511 **RYAN HERCO PRODUCTS CORP**...*Plastics-products-finished-wholesale*
1511 **RYAN HERCO PRODUCTS CORP**...*Whl Plastic Mtls*
1531 **FOLDCO PAPER BOX CO**...*Boxes-paper (manufacturers)*
1531 **SPECIALIZED DAIRY SVC INC**...*Dairies*
1531 **SPECIALIZED DAIRY SVC INC**...*Food Products Mchy*
1536 **SOUTHWEST REBAR INC**...*Steel-structural (manufacturers)*
1536 **SOUTHWEST REBAR INC**...*Fabricated Strl Mtl*
1544 **ALL CITIES ENTERPRISES**...*Fence Contractors*
1551 **ADVANCED SERVO TECH INC**...*Motors & Generators*
1551 **ADVANCED SERVO TECH INC**...*Electric Motors-dlrs/repairing (whol)*
1551 **HI PERFORMANCE GOLF CARS**...*Auto Dealers Nec*
1552 **ALL CITIES FENCE CO**...*Comm/off Bldg New Con*
1552 **CHEROKEE CHAINLINK & CNSTR CO**...*Fence Construction*
1552 **EVOLUTION COMMUNICATON INC**...*Fabricated Strl Mtl*
1552 **EVOLUTION CONSTRUCTION CO**...*Cellular Phone Svcs*
1604 **COLEMAN CONSTRUCTION**...*Building Contractors*
1604 **COLEMAN CONSTRUCTION**...*Comm/off Bldg New Con*
1604 **DIAMOND LAKESIDE DEVELOPMENT**...*Comm/off Bldg New Con*
1608 **CONNECT WIRELESS SOLUTIONS**...*Cellular Telephones (services)*

2008 SOUTH VINEYARD AVENUE
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 3

1608 **CONNECT WIRELESS SOLUTIONS**...*Computer Maint & Rp*
1608 **MACOMCO**...*Sales Service & Installs Two-way Communication Equipmen*
1608 **MACOMCO**...*Radio,tv & Elcr Str*
1608 **SATERA CORP**...*Radios-two Way-dealers*
1701 **AMERITECH ELECTRICAL SIGNS**...*Letter,sign Paint Svc*
1701 **ELITE FINISHES**...*Cabinets-resurfacing & Refinishing*
1701 **MAGNISON & MOEN INC**...*Heating,air Cond Cont*
1701 **MAGNISON & MOEN INC**...*Air Conditioning Contractors & Systems*
1701 **PPD**...*Litho,coml Printing*
1701 **REM CONCEPTS INC**...*Real Estate Management*
1701 **SIGN MAN**...*Mfg Signs/advertising Specialties*
1701 **TCBS**...*Print Shop*
1701 **THREE N ONE ELECTRIC**...*Electrical Work*
1701 **ZEMAN ENTERPRISE**...*Spc Dies, Tls, Jigs*
1701 **ZEMAN ENTERPRISE**...*Molds (manufacturers)*
1701 **ZEMAN ENTERPRISES**...*Mfg Plasic Molds*
1721 **ANGELES PRECISION PRODUCTS**...*Machine Shops*
1721 **B JS CLEANING**...*House Cleaning*
1721 **BILLET INDUSTRIES INC**...*Machine Shops*
1721 **BILLET INDUSTRIES INC**...*Industrial Mchy Nec*
1721 **DRAGON MOLDS**...*Plastics-mold-manufacturers*
1721 **DRAGON MOLDS**...*Plastic Pdts Nec*
1721 **HLP**...*Research Service*
1721 **ONTARIO MOLD**...*Spc Dies, Tls, Jigs*
1721 **ONTARIO MOLD**...*Molds (manufacturers)*
1721 **PAREBHA MAGNETICS CORP**...*Durable Goods Nec*
1721 **PAREBHA MAGNETICS CORP**...*Magnets & Magnetic Devices (wholesale)*
1721 **SERVICES BY CEM**...*Delivery Sv,vehicular*
1721 **VICTORS WHOLESALE**...*Whol Durable Goods*
1721 **VICTORS WHOLESALE PRINTING**...*Litho,coml Printing*
1721 **VICTORS WHOLESALE PRINTING**...*Printers*
1721 **VINEYARD BOOKS & BINDERS**...*Bookbinding, Rel Wk*
1721 **VINEYARD BOOKS & BINDERS**...*Bookbinders*
1721 **ZZTEC INC**...*Nonclassified Establishments*
1734 **BANDLOCK CORP**...*Plastic Pdts Nec*
1734 **BANDLOCK CORP**...*Plastics-extruders (manufacturers)*
1737 **NU-CONCEPTS**...*Nonclassified Establishments*
1737 **NU-CONCEPTS**...*Nclassifiable Estab*
1810 **ABLE DOOR MFG**...*Door,window Products*
1810 **ABLE GARAGE DOOR CO**...*Door,window Products*
1810 **ABLE GARAGE DOOR MFG**...*Doors-garage*
1810 **DBCI**...*Millwork*
1810 **DBCI**...*Doors-wholesale*
1840 **KINGS RATTAN**...*Furniture-dealers-wholesale*
1840 **KINGS RATTAN**...*Whl Furniture*
1845 **FIRST CHOICE WIRELESS**...*Cellular Telephones (services)*
1845 **INFINITY ACCESSORIES**...*Motorcycles & Motor Scooters-dealers*
1845 **INFINITY ACCESSORIES**...*Motorcycles*
1845 **LEGGETT & PLATT INCORPORATED**...*Mfg Misc Fabricated Wire Products*
1845 **PACIFIC EDGE WINE & SPIRITS**...*Liquors-retail*
1845 **PERFUME CLUB**...*Perfume-wholesale*
1845 **PERFUME CLUB**...*Cosm Perf ,hair Pds*

2008
SOURCE: DIGITAL BUSINESS DIRECTORY

SOUTH VINEYARD AVENUE

Part 3 of 3

1845 **SPENCER INDUSTRIES**...*Whol Distributor & Service Repair Of Hydraulic Pumps Mo*
1885 **COLORWORKS MOTORSPORTS**...*Unclassified*
1885 **FOLDCO PAPERBOX CO**...*Litho,coml Printing*
1885 **MICO PRINTING & PACKAGING**...*Printers*
1885 **PLUS 2 INTERNATIONAL**...*Whol Auto Parts/supplies*
1885 **PLUS II INTL**...*Automotive Tires*
1885 **TEAM DYNAMICS**...*Wheels & Wheel Covers*
1885 **TEAM DYNAMICS**...*Automotive Tires*
1885 **TURBINE REPAIR SVC**...*Turbines-manufacturers*
1909 **AKILES PRODUCTS INC**...*Office Supplies-wholesale*
1909 **AKILES PRODUCTS INC**...*Converted Ppr Pdts*
1925 **MIDWEST TRUCK & AUTO**...*Automobile Parts & Supplies-retail-new*
1925 **MIDWEST TRUCK & AUTO**...*Motor Vh Parts, Acc*
1930 **BAE SYSTEMS**...*Elcr Components Nec*
1930 **BAE SYSTEMS**...*Machine Shops*
1933 **RSD/TOTAL CONTROL**...*Warm Air Htg, Ac*
1933 **RSD/TOTAL CONTROL**...*Air Conditioning Supplies & Parts (whol)*
1949 **GONZALES BROTHERS TRANSPORT**...*Trucking*
1949 **METAL BANK CORP**...*Steel-distributors & Warehouses*
1949 **METAL BANK CORP**...*Iron,steel,ferr Pdts*
1949 **METALBANK CORPORATION**...*Metal Service Center Machining & Metal Working*
1957 **CALVARY CHAPEL ONTARIO**...*Churches*
1957 **CALVARY CHAPEL ONTARIO**...*Religious Organiz*

2004
SOURCE: DIGITAL BUSINESS DIRECTORY

EAST AVION

1902 **LSG SKY CHEFS INC**...
1923 **GE ENGINE SVC**...
1923 **GENERAL ELECTRIC CAFE**...
2161 **AMERIFLIGHT**...
2161 **CERTIFIED AVIATION SVC**...
2161 **KMR AVIATION INC**...
2161 **MERCURY AIR CTR**...

66 total records. *Part 1 of 2*

126 **J D SHERMAN INC**...
126 **THRIFTY CAR RENTAL**...
126 **THRIFTY VALET PARKING**...*Indoor Parking Services*
1049 **AMERICAN LA FRANCE-LOS ANGELES**...
1150 **AVIATION MAINTENANCE GROUP**...
1150 **PINNACLE AVIATION INC**...
1150 **THRESHOLD TECHNOLOGIES INC**...
1400 **BLUE PACIFIC CONSTRUCTION**...
1400 **CRATEWAY LLC**...
1400 **PUMPING SOLUTIONS**...
1420 **MONARC INDUSTRY**...*Unit Handling Conveying Systems*
1425 **GOE ENGINEERING CO**...*Electronic Circuits*
1425 **HOOD PRECISION MACHINE PRODS**...*Machine And Other Job Shop Work*
1440 **MASTER FAB INC**...*Boxes Stamped Metal*
1460 **3 D FASTENERS PLUS**...
1460 **MATERIAL HANDLING SUPPLY INC**...
1480 **CREATIVE RIDER WEAR**...
1490 **CASABLANCA BRAND INC**...
1490 **D M ENTERPRISES**...*Glass Furnishings And Accessories*
1490 **REDMED**...
1490 **S D CORP**...
1511 **AQUA-METRIC SALES CO**...
1511 **OREPLAST USA INC**...
1521 **3 C & L INTL CORP**...
1521 **KIKY TOYS**...*Electronic Games And Toys*
1531 **FOLDCO PAPER BOX CO**...
1536 **SOUTHWEST REBAR INC**...
1541 **SPARKS BELTING CO**...
1552 **ALL CITIES FENCE CO**...
1604 **MACOMCO**...*Radio And Television Equipment And Parts*
1608 **MAC FARLANE ENTERPRISES**...*Radio And Television Equipment And Parts*
1701 **BIZART GRAPHIC**...*Promotional Printing Lithographic*
1701 **CHUCKS SUBS**...*Steak And Barbecue Restaurants*
1701 **MAGNISON & MOEN AIR COND & HTG**...
1701 **NATIONWIDE MATERIAL HANDLING**...
1701 **S & S TOOL & DIE**...*Jigs And Fixtures*
1701 **ZEMAN ENTERPRISE**...
1704 **BANDLOCK CORP**...*Boot Or Shoe Products Plastics*
1721 **AMERICONT INC**...
1721 **ANGELES PRECISION PRODUCTS**...*Machine And Other Job Shop Work*
1721 **D & N MACHINE CO**...*Machine And Other Job Shop Work*
1721 **DRAGON MOLDS**...*Plastics Containers Except Foam*
1721 **DUTEK CO**...*Machine And Other Job Shop Work*
1721 **ELITE FINISHES**...
1721 **ONTARIO MOLD**...
1721 **PAREBHA MAGNETICS CORP**...
1737 **ANDY GUMP INC**...
1737 **NU-CONCEPTS**...
1810 **PAN HAI INTL**...
1840 **KING`S RATTAN**...*Video And Audio Equipment*
1845 **BORROUGHS CORP**...
1845 **FUTURE MOLDS**...
1845 **PERFUME CLUB**...

2004 SOUTH VINEYARD AVENUE
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 2

1845 **SPENCER FLUID POWER**...
1845 **US WIRE TIE SYSTEMS**...*Wheels*
1885 **DO WELL WHOLESALE INC**...*Video And Audio Equipment*
1885 **MICO PRINTING & PACKAGING**...*Promotional Printing Lithographic*
1885 **PLUS II INTL**...
1885 **TEAM DYANMICS**...
1901 **ACTION COLOR CARDS**...
1909 **AKILES PRODUCTS INC**...*Office Filing Supplies*
1917 **INFORMATIVE RESEARCH**...
1925 **MIDWEST TRUCK & AUTO**...
1930 **LEAR ASTRONICS**...*Machine And Other Job Shop Work*
1949 **METAL BANK CORP**...
1957 **CHRIST LIFE CHURCH**...

2001
SOURCE: HAINES

EAST AVION

AVION AV E 91761
ONTARIO

1923	* GE CO ENG SV-WST CST OPRTNS	909-937-6731	9
2161	* AMERIFLIGHT	909-390-6219	7
	* KMR AVIATION INC	909-605-6366	8
	* MERCURY AIR CENTER	909-390-2370	8
	* PINNACLE AVIATION INC	909-605-0259	0
	* THRESHOLD TECHNOLOGIES	909-605-9523	7

* 6 BUS 0 RES 0 NEW

2001
SOURCE: HAINES

SOUTH VINEYARD AVENUE

VINEYARD AV S 91761
ONTARIO

WEALTH CODE 2 0

109	XXXX	OO	
125	* SHERMAN J D INC	909-988-8581	
	* THRIFTY CAR RENTAL	909-988-8581	
	* THRIFTY VALET PARKING	909-988-8584	5
1049	XXXX	OO	
1152	XXXX	OO	
1400	* BLONDIE'S KITCHEN	909-947-3724	3
1402	XXXX	OO	
1404	GUTIERREZ Albert	OO	0
1420	XXXX	OO	
1425	* GOE ENGINEERING CO INC	909-947-9222	
	PARKER Richard	OO	0
1440	* MASTER FAB INC	909-923-7151	
1460	* MATERIAL HANDLING SUPPLY	909-923-5813	6
1480	* ABLE CHEMICAL	909-930-1433	6
	* CREATIVE RIDER WEAR	909-930-1433	6
	HUNDLEY James	OO	0
	* REXOR	909-930-1433	6
1490	* AUTO CONNECTIONS	909-930-5550	8
	* CANYON REBAR	909-930-5530	6
	* CASABLANCA BRAND INC	909-673-0565	9
	* D M ENTERPRISES	909-947-8213	9
1490F	* REDMED	909-930-5166	5

X ELM E

1504	ZALAY Albert	OO	0
1510	FRAUS Patricia	909-947-7774	+1
	ZALAY Albert	OO	0
1511	* AQUA-METRIC SALES CO	909-923-1163	+1
	* RYAN HERCO PRDCTS	909-923-1141	4
1521	ANTOYAN Allen	OO	0
1522	BREWER Ronnie	OO	0
1526	XXXX	OO	
1531	* FOLDCO PAPER BOX CO	909-930-9974	4
1536	* SOUTHWEST REBAR INC	909-947-5669	
1541	ANTOYAN Allen	OO	0
	* SPARKS BELTING CO	909-673-9911	+1
1544	MOEN Todd	OO	0
1551	XXXX	OO	
1552	* ALL CITIES FENCE CO	909-947-9289	4
1561	ANTOYAN Allen	OO	0
	* FERCO PLASTIC PRODUCTS INC	909-930-0773	7
1604	* COMPU METAL	909-923-5787	2
1608	* MACFARLANE ENTERPRISES	909-930-0515	5
1610	MAGLICA Anthony	OO	0

X LOCUST E

1701	AHLHEIM Stella C	909-923-4611	+1
	* BIZART GRAPHIC	909-930-5655	0
	* CHUCKS SUBS NO 2	909-947-0038	
	* MAGNISON&MOEN AIR CONDG&HTNG	909-947-3187	9
	* NATIONWIDE MATERIAL HANDLING	909-930-1606	8
	* S&S TOOL&DIE	909-923-7200	
	* ZEMAN ENTERPRISE	909-673-0495	9
1704	* BANDLOCK CORP EXTRUSION DIV	909-947-7500	7
	* BANDLOCK CORP MATERIAL DIV	909-923-9991	8
1719	XXXX	OO	
1721	* AMERICONT INDUSTRIAL CONTROLS	909-947-0604	8
	* ANGELES PRECISION PRODUCTS	909-673-0090	+1
	* D&N MACHINE CO	909-930-9988	5
	* DUTEK CO	909-923-0321	+1
	* ELITE FINISHES	909-930-0052	+1
	* ONTARIO ENGINEERING MFG	909-947-2310	+1
	* PAREBHA MAGNETICS CORP	909-673-1983	0
	* WINN ENGINEERING	909-673-0397	0
	* ZZTEC INC	909-947-5269	5
1737	* ANDY GUMP INC	909-930-6233	7
	* NU CONCEPTS	909-930-6233	0

X FRANCIS E

1810	* OTTO INTERNATL INC	909-923-7083	
1840	CHAN Ming	OO	0
	* KINGS RATTAN	909-923-0289	0
1845	* BORROUGHS CORP	909-923-3547	+1
	* FUTURE MOLDS	909-947-0045	+1
	* PERFUME CLUB	909-947-8649	+1
	* PERFUME CLUB	909-930-5637	+1
	* PERFUME CLUB THE	909-947-3885	0
	* US WIRE TIE SYSTEMS	909-930-9624	0
1885	* ALEXANDER BAG COMPANY	909-947-1192	0
	BENAVIDES Steve	OO	0
	* COLORWORKS MOTORSPORTS	909-930-0721	0
	* MICO PRINTING&PACKAGING	909-923-5611	8
	* PLUS 2D	909-930-0873	8
	* TEAM DYNAMICS	909-947-0114	8
1901	* ACTION COLOR CARDS	909-947-0747	8
	ROSS Carl	OO	0
1909	* AKILES PRODUCTS INC	909-923-7778	9
1917	* ANNWIN CORP	909-923-3885	+1
1925	XXXX	OO	
1930	* LEAR ASTRONICS	909-947-7600	6
1941	* SPECTRUM IMAGING INC	909-930-3854	8
1949	* METALBANK CORP	909-930-1320	6
1957	* CHRIST LIFE CH	909-923-8280	8

X CEDAR E

2010	* QUEST POLISH&WAX	909-930-5997	8

1923 **OTHER OPERATIONS GE ENG SERVICES WEST CST OPERATIONS**...*Aircraft Parts And Equipment Nec*
2161 **AMERIFLIGHT**...*Air Transportation, Nonscheduled*
2161 **RAYTHEON AIRCRAFT SERVICES ONTARIO INTERNATL AIRPORT**...*Airports Flying Fields And Services*
2161 **THRESHOLD TECHNOLOGIES**...
2161 **UNITED STATES GOVERNMENT AGRICULTURE DEPT OF FRST SERVICE SOUTH**...*General Government, Nec*

101 **NATIONAL CAR RENTAL INTERRENT**...*Passenger Car Rental*
116 **BERTINO AUTOMOTIVE SERVICE**...*Automotive Services, Nec*
125 **BUDGET CAR SALES**...*Used Car Dealers*
125 **FROM LA PUENTE TELEPHONES CALL CAR SALES DEPT**...*Used Car Dealers*
126 **SHERMAN J D INC**...*Passenger Car Rental*
126 **THRIFTY CAR RENTAL**...*Passenger Car Rental*
126 **THRIFTY CAR RENTAL**...*Passenger Car Rental*
126 **THRIFTY VALET PARKING**...*Automobile Parking*
1400 **BEAR PAPER CO WHOLESALE DIVISION**...*Gift Novelty And Souvenir Shop*
1400 **BLONDIES KITCHEN**...*Eating Places*
1425 **GOE ENGINEERING CO INC**...*Screw Machine Products*
1440 **MASTER FAB INC**...*Aluminum Foundries*
1460 **MATERIAL HANDLING SUPPLY INC**...*Hoists Cranes And Monorails*
1480 **ABLE CHEMICAL**...*Services, Nec*
1480 **CREATIVE RIDER WEAR**...*Services, Nec*
1480 **REXOR**...*Services, Nec*
1490 **ONTARIO GLASS & MIRROR**...*Special Trade Contractors, Nec*
1490 **REDMED**...*Medical And Hospital Equipment*
1511 **RYAN HERCO PRODUCTS CORP**...*Plastics Products, Nec*
1531 **FOLDCO PAPER BOX CO**...*Folding Paperboard Boxes*
1536 **SOUTHWEST REBAR INC**...*Fabricated Structural Metal*
1544 **MAGNISON & MOEN AIR CONDITIONING & HEATING**...*Plumbing Heating Air-conditioning*
1551 **VISION MEDICAL SERVICES INC**...*Medical And Hospital Equipment*
1552 **ALL CITIES FENCE CO**...*Special Trade Contractors, Nec*
1561 **FERCO PLASTIC PRODUCTS INC**...*Special Industry Machinery Nec*
1604 **COMPU METAL**...*Computer Terminals*
1608 **MACFARLANE ENTERPRISES**...*Radio Television And Electronic Stores*
1701 **FG & J CONSTRUCTION**...*Single-family Housing Construction*
1701 **J C PRECISION MACHINE**...*Industrial Machinery, Nec*
1701 **PRECISE DIE CUT**...*Industrial And Personal Service Paper*
1701 **S & S TOOL & DIE**...*Special Dies Tools Jigs And Fixtures*
1704 **BANDLOCK CORP EXTRUSION DIVISION**...*Unsupported Plastics Profile Shapes*
1721 **D & N MACHINE CO**...*Industrial Machinery, Nec*
1721 **K AND M PLUMBING SERVICE**...*Plumbing Heating Air-conditioning*
1721 **ZZTEC INC**...
1737 **ANDY GUMP INC**...
1737 **NU CONCEPTS**...
1810 **OTTO INTERNATIONAL INC**...*Hats, Caps, And Millinery*
1909 **INTERNATL TRADE GROUP**...
1917 **UNITEK TECHNOLOGY INC**...*Computer And Software Stores*
1949 **METALBANK CORP**...*Metals Service Centers And Offices*

AVION AV E 91761
ONTARIO

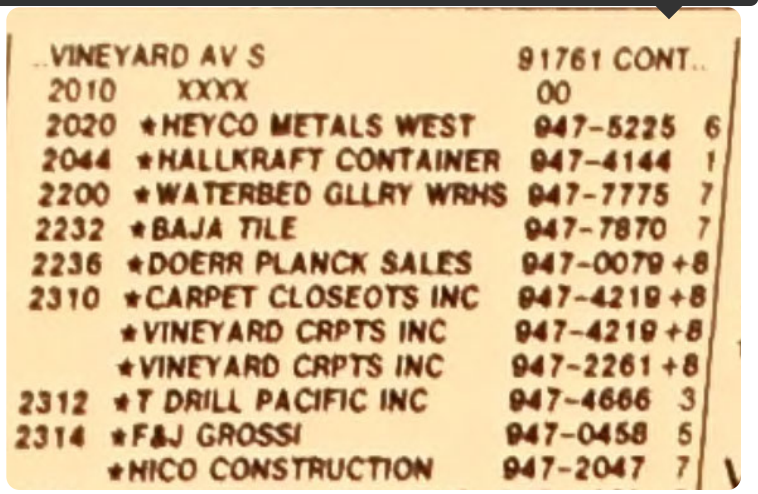
1923	★GENL ELECTRIC SLS	986-6731	6
2161	★AIR CORTEZ INTL	986-5651	+8
	★BEECHCRAFT WEST ONT	988-8502	7
	★D L B INTERIORS	983-6850	6

★ 4 BUS 0 RES 1 NEW

VINEYARD AV S 91761
ONTARIO

101	★NATL CAR RENTAL SYS	988-7444	2
105	★BUDGET RENT A TRUCK	983-9691	+8
109	XXXX	00	
116	★BERTINO AUTOMTV	986-5929	3
125	★BUDGET RENT A CAR	983-9691	1
	★SEARS RENT A CAR	984-1515	6
126	★SHERMAN J D INC	988-8581	
	★STOR N SOAR	988-8584	5
	★THRIFTY CAR RENTAL	988-8581	5
1049	★US AGRI FOREST AIR	983-0624	
1400	★BLONDIES KITCHEN	947-5007	3
	★BLONDIES KITCHEN	947-3724	2
1402	★FLORIANI EMBROIDERY	947-3731	7
1425	★G O E ENGINEERING	947-9222	7
1504	XXXX	00	
1526	XXXX	00	
1536	★SOUTHWEST REBAR INC	947-5669	5
1544	★MAGNISON&MOEN AIR	947-3187	3
1552	★RANKIN DAN&CO	947-4260	2
1604	PENNER Co L	597-4658	7
1701	★DAVE WICKS&ASSOCTS	947-4919	+8
	★EVERSAFE	947-1957	+8
	★GOLDEN GLAMOUR	947-4325	+8
	★INTL ART WHOLESALER	947-7206	+8
	★MARLIN PLASTICS	947-0097	+8
	★PRECISION DEVLPS	947-7955	+8
	★VINEYARD ONT ASCTS	947-5125	+8
1704	★PERFECT AIR CONTROL	983-1211	+8
1719	XXXX	00	
1721	★COURTLAND WLDG&INDS	947-1659	+8
	★GARY SHARR WELDING	947-4398	+8
	★HAINES ELECTRIC CO	947-5867	+8
	★SPECIALTY SPRAY SRV	947-3881	+8
	★UNITD COPIERS	947-8813	+8
1733	★VERMEER CALIF	947-1001	1
1830	★DEVLP SCIENCES	947-7600	6

1988 — SOURCE: HAINES — **SOUTH VINEYARD AVENUE - B**



..VINEYARD AV S 91761 CONT..

2010	XXXX	00	
2020	★HEYCO METALS WEST	947-5225	6
2044	★HALLKRAFT CONTAINER	947-4144	1
2200	★WATERBED GLLRY WRHS	947-7775	7
2232	★BAJA TILE	947-7870	7
2236	★DOERR PLANCK SALES	947-0079	+8
2310	★CARPET CLOSEOTS INC	947-4219	+8
	★VINEYARD CRPTS INC	947-4219	+8
	★VINEYARD CRPTS INC	947-2261	+8
2312	★T DRILL PACIFIC INC	947-4666	3
2314	★F&J GROSSI	947-0458	5
	★NICO CONSTRUCTION	947-2047	7

1970 — SOURCE: GENERAL TELE CALIFORNIA — **SOUTH VINEYARD AVENUE**



VINEYARD AV S
91762

116	□BERTINO AUTO SVC	986-5929

VINEYARD AV S
91761

1526	RECTOR, JOHNNY	983-4495
1536	YOKLEY, LLOYD L	984-5307
1552	THOMAS, J R	986-7894
1654	□ECONOMY TREE SERVICE	986-3519
1704	□ATLANTIC/PACIFIC MFG	986-2511
1704	□PERFECT AIR CTRL INC	983-1211
1930	□TEXFI WEST	983-3671
2044	□HALLKRAFT CONTAINER	983-1734
11346	JONES, A B	986-6874
11410	OGDEN, E	986-0528
11607	SPEARS, JOE B	984-9905

1970
SOURCE: GENERAL TELEPHONE OF CALIFORNIIA

EAST AVION

STREET NOT LISTED

1965
SOURCE: GENERAL TELE CALIFORNIA

SOUTH VINEYARD AVENUE

VINEYARD AV S

116	▫BERTINO AUTO SVC	986-5929
1552	THOMAS, J R	986-7894
9541	ANDERSON, HOWARD	986-3438
11346	JONES, A B	986-6874
11410	OGDEN, E	986-0528
11446	WEYL, H H	986-6871
11460	YOKLEY, L L	984-5307
11478	THOMAS, BEN	984-6673
11607	DOWNEY, B	986-6033

1965
SOURCE: GENERAL TELEPHONE OF CALIFORNIIA

EAST AVION

STREET NOT LISTED

1951
SOURCE: LA DIR CO

EAST AVION

STREET NOT LISTED

1951
SOURCE: LA DIRECTORY CO

SOUTH VINEYARD AVENUE

VINEYARD AV, SOUTH — South from East A to and beyond city limits, ¾ mi e of Cucamonga

1945-46
SOURCE: LA DIR CO

EAST AVION

STREET NOT LISTED

1945-46
SOURCE: LA DIR CO

SOUTH VINEYARD AVENUE

NO LISTINGS IN RANGE

1940
SOURCE: POLKS

EAST AVION

STREET NOT LISTED

1940
SOURCE: POLKS

SOUTH VINEYARD AVENUE

DIRECTORY PAGE MISSING

1937-38
SOURCE: LA DIR CO

EAST AVION

STREET NOT LISTED

1937-38
SOURCE: LA DIR CO

SOUTH VINEYARD AVENUE

NO LISTINGS IN RANGE

1934
SOURCE: LA DIR CO

EAST AVION

STREET NOT LISTED

1934
SOURCE: LA DIR CO

SOUTH VINEYARD AVENUE

NO LISTINGS IN RANGE

1931
SOURCE: LA DIR CO

EAST AVION

STREET NOT LISTED

1931
SOURCE: LA DIR CO

SOUTH VINEYARD AVENUE

NO LISTINGS IN RANGE

1926
SOURCE: LA DIR CO

EAST AVION

STREET NOT LISTED

1926
SOURCE: LA DIR CO

SOUTH VINEYARD AVENUE

NO LISTINGS IN RANGE

1922-23
SOURCE: LA DIR CO

EAST AVION

STREET NOT LISTED

--- END REPORT ---

STREET NOT LISTED

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Appendix G

User-Supplied Documents

CDM



Camp Dresser & McKee

DRAFT

PHASE I / PHASE II
ENVIRONMENTAL ASSESSMENTS
ONTARIO AIRPORT

Prepared for:
CITY OF LOS ANGELES
DEPARTMENT OF AIRPORTS

Prepared by:
CAMP DRESSER & McKEE INC.
18881 Von Karman Ave, Suite 650
Irvine, California 92715

Table of Contents

TABLE OF CONTENTS

Section		Page
1.0	INTRODUCTION	1
2.0	PHASE I ENVIRONMENTAL ASSESSMENT	1
2.1	Geographical Setting	1
2.1.1	Location	1
2.1.2	Climate	1
2.1.3	Physiography	2
2.1.4	Hydrogeology	3
2.1.5	Ground Water Quality	4
2.2	Site Locations and Descriptions	4
2.3	Map and Aerial Photograph Review	5
2.4	Regulatory Review	6
2.5	Site Histories	7
2.6	Site Survey	8
2.6.1	Survey Results	8
2.7	Surrounding Land Use	10
2.8	Phase I Conclusions and Recommendations	11
2.8.1	Conclusions	11
2.8.2	Recommendations	12
3.0	PHASE II INVESTIGATION	15
3.1	Drilling and Sampling Program	15
3.2	Two-Stage Clarifier Sampling	17
3.3	Equipment Decontamination	17
3.4	Sample Handling	17
4.0	FINDINGS	18
5.0	RECOMMENDATIONS	19

APPENDIX A - Lithologic Logs
APPENDIX B - Chain of Custody Forms
APPENDIX C - Analytical Reports

LIST OF FIGURES

Figure		Follows Page
1	Chino Basin Boundary	3
2	Geologic Cross Sections	3
3	Ontario Airport Layout Plan	4
4	Site 1 Map	15
5	Site 2 Map	15
6	Site 3 Map	15
7	Site 4 Map	15

LIST OF TABLES

Table		Follows Page
1	LUFT Manual Worksheet	17
2	Soil Boring Laboratory Results	17
3	CAM 17 Metals Results	17
4	Clarifier Sample Results	17

1.0 - INTRODUCTION

The Department of Airports (DOA) authorized Camp Dresser & McKee Inc. (CDM) to conduct Phase I and Phase II Environmental Assessments of four vacant parcels located on the south side of Ontario International Airport. Phase I Environmental Assessment activities were conducted in July and August of 1990. The findings of Phase I assessments are presented in this report.

Recommendations for Phase II activities are included in Section 2.8.2.

2.0 - PHASE I ENVIRONMENTAL ASSESSMENT

2.1 GEOGRAPHICAL SETTING

This section will discuss the geographic setting of the area, which includes location, climate, physiography, hydrogeology, and groundwater quality.

2.1.1 LOCATION

Ontario International Airport (ONT) is a 1,463-acre parcel of land located in the southwestern corner of San Bernardino County, within the corporate boundaries of the city of Ontario, California. The facility lies near the center of the Pomona Valley and Chino Basin. It is surrounded by the communities of Rancho Cucamonga and Upland to the north, Fontana and San Bernardino to the east, Riverside to the southeast, Corona and Chino to the south, and Pomona and Montclair to the west.

2.1.2 CLIMATE

The climate of the Chino Basin is temperate, characterized by warm temperatures, low precipitation, and mild winters. The character of the climate of the Chino Basin is intermediate between the mild marine climate typical of coastal southern California and the climate of the inland deserts. Annual temperatures in the region average approximately 62°F with summer temperatures averaging 75°F and winter temperatures averaging 51°F.

Extremes in temperatures from 20°F during winter months to over 100°F during summer have been recorded. Precipitation varies widely within the region, averaging from 13 to 25 inches per year. Near ONT, an annual precipitation rate of approximately 15 inches can be expected.

Over 85 percent of the annual rainfall occurs between the months of December and April with typically less then 2 percent occurring during the summer months. Winds in the region are highly variable in their intensity with prevailing winds averaging 5 to 15 mph. Storms or other meteorological conditions, including "Santa Ana" conditions occasionally cause strong winds to blow from the desert through the Cajon Pass to the southwest. These winds can gust to over 80 mph and reduce relative humidity to less than 10%.

2.1.3 PHYSIOGRAPHY

The Chino Basin is a structural depression surrounded by the San Gabriel Mountains, San Bernardino Mountains, Santa Ana Mountains and the Puente Hills, which have been uplifted and eroded. The depression has been filled with materials eroded from the surrounding mountain ranges. Several faults, including the San Andreas, Chino, Whittier, and Colton-Rialto, pass through or near the area.

The valley floor of the Chino Basin is a broad, smooth plain which is flat along an east-west transect and slopes from the San Gabriel Mountains on the north to the Santa Ana River on the south, at an average of 1 to 2 percent. Surficial features which bound the basin include the San Gabriel Mountains, which rise to 10,064 feet above MSL to the north, the Chino Hills and Santa Ana Mountains which rise to 1,781 and 5,687 feet above MSL to the west, the Jurupa Mountains which rise to 2,000 feet above MSL and the Pedley Hills rising to 1,300 feet above MSL to the south. The approximate elevation of ONT is 940 feet above MSL.

2.1.4 HYDROGEOLOGY

ONT overlies the Chino Groundwater Basin which consists of about 220 square miles of Upper Santa Ana River watershed. The basin is bounded by several

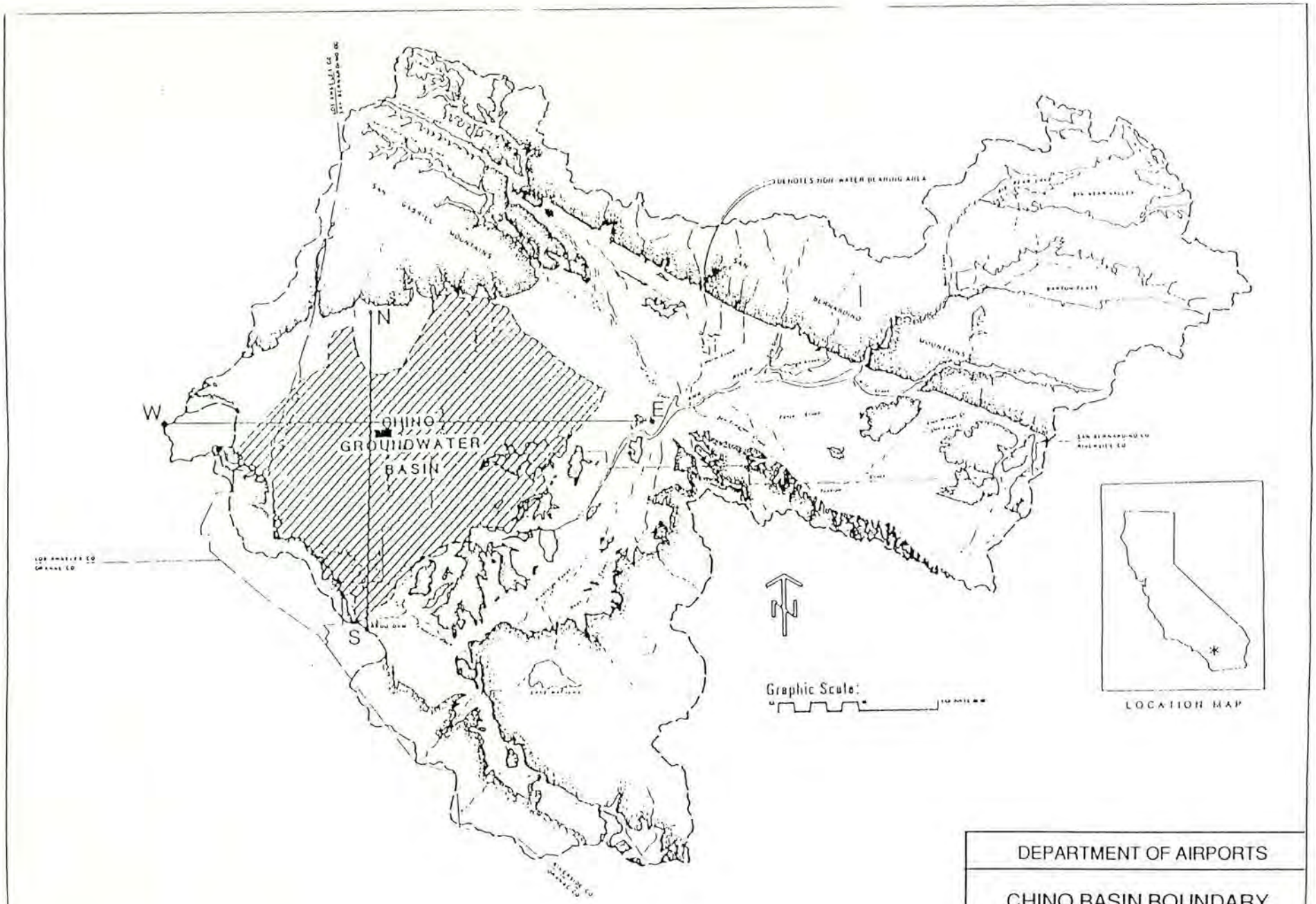
mountain ranges, faults, and a river (Figure 1). The San Gabriel Mountains, the Red Hill Fault, and the San Jose Fault make up the northeast barrier. The Chino Hills and Santa Ana Mountains form the western boundary and the Santa Ana River forms the southern boundary.

The basin was formed as eroded sediments from the surrounding mountains filled a structural depression, which was caused by the downdropping of the Perris block. The basin was filled during two main episodes creating, water-bearing alluvial deposits from the Holocene (younger) and Pleistocene (older) ages. The unconsolidated alluvial deposits, range in grain size from boulders to clay, and vary in depth throughout the basin with a typical depth of approximately 400 feet. The deposits overlie a basement complex of Mesozoic age crystalline rocks of the southern California Batholith. Geologic cross sections in the area are shown in Figure 2. The basement complex and the surrounding granitic mountains do not transmit water except for small quantities in cracks or fissures or where the rock is deeply weathered.

Several fault systems pass through the basin and form ground water barriers marked by discontinuities in ground water elevations. In the south and southeastern parts of the basin, the water-bearing formations pinch out against the basement complex of the Perris block. Faults which form groundwater barriers include the Rialto-Colton, San Jose, Central Avenue, and Chino faults, and the Cucamonga Fault zone.

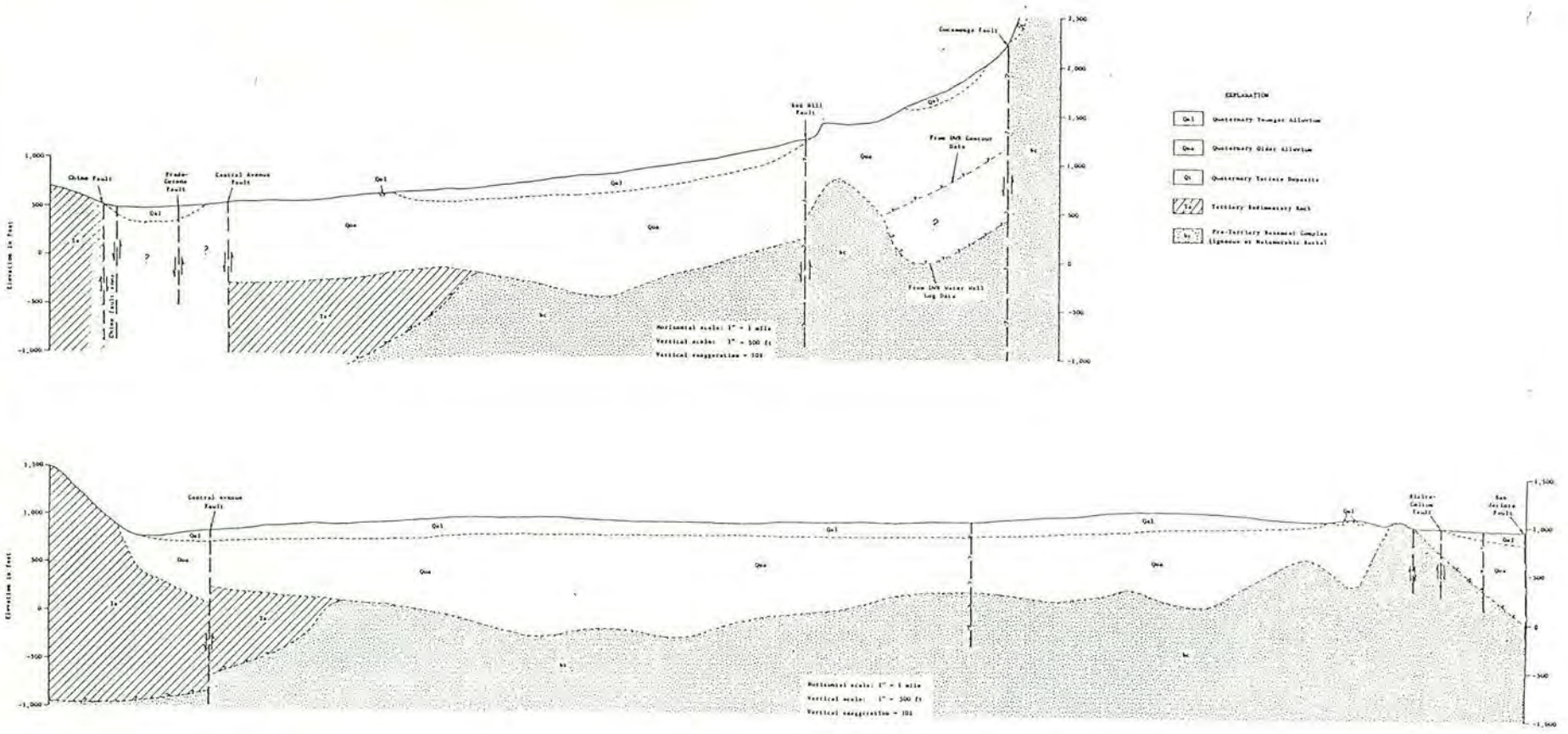
The water-bearing strata in the Chino Basin consists of laterally-discontinuous clays, silts, sands, and gravels. These unconsolidated sediments have been deposited on the basement complex to form one aquifer. The aquifer is generally unconfined but becomes semi-confined to the south towards the Santa Ana River. Values for transmissivity and permeability for Chino Basin range from 80,000 to 400,000 gpd/ft in the southern portion, and 400 to 800 gpd/ft in the northern portion. Well yields in the Basin are typically on the order of 500 to 1500 gallons per minute.

Groundwater levels in the Chino Basin have dropped significantly since 1950. During the late 1960s, increased pumping and low recharge led to



Adapted from CDM EIR, 1987.

DEPARTMENT OF AIRPORTS	
CHINO BASIN BOUNDARY	
CDM	FIGURE 1



Adapted from LeRoy Crandell, 1980

DEPARTMENT OF AIRPORTS	
GEOLOGIC CROSS SECTIONS	
CDM	FIGURE 2

overdraft conditions and rapid decreases in groundwater levels. Improved water management has decreased overdraft in recent years.

Based on hydrologic data from local agencies, the minimum depth to groundwater in the area of ONT is 300 to 350 feet below ground surface, and well into the Pleistocene alluvial deposits.

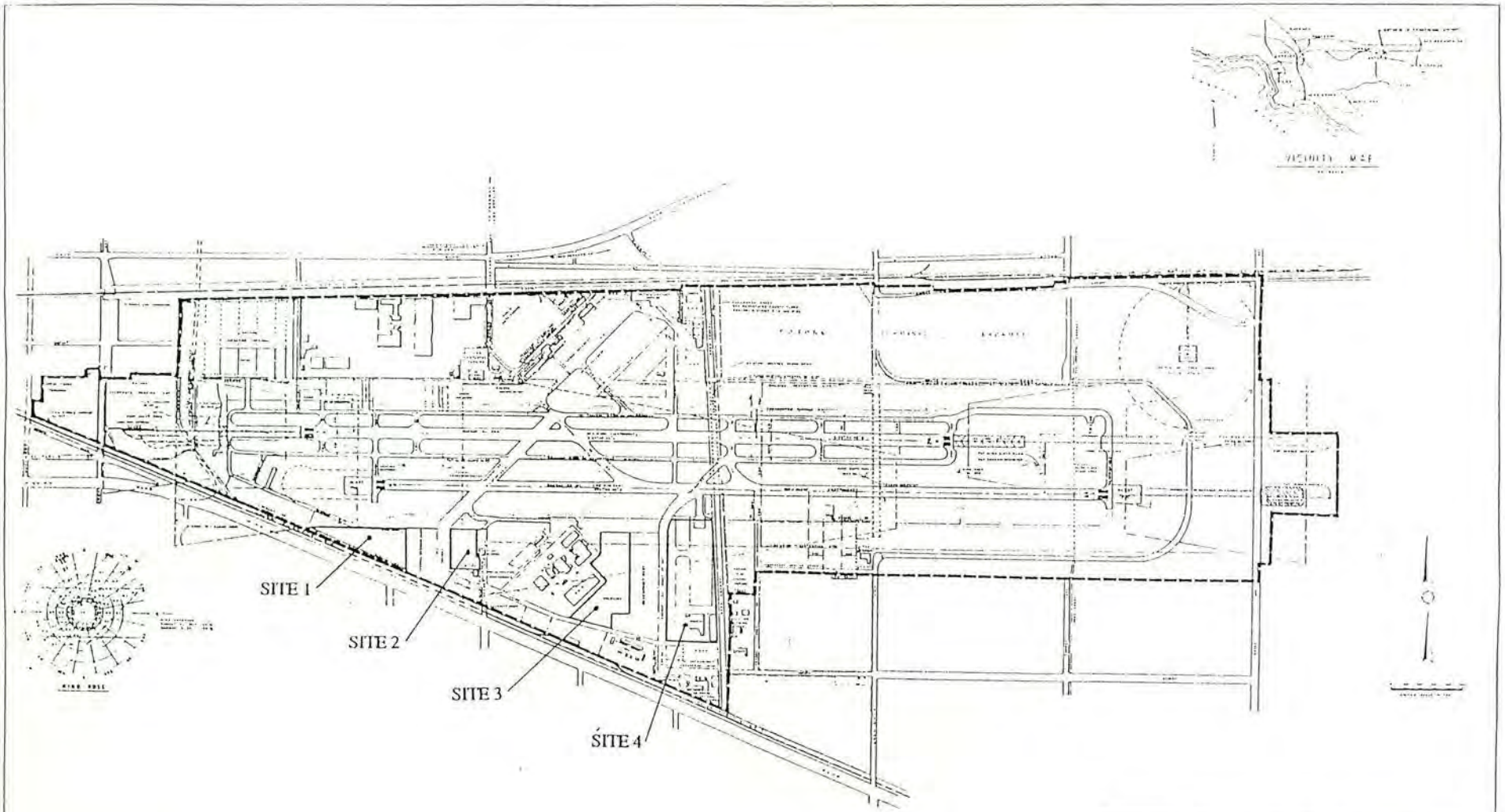
2.1.5 GROUNDWATER QUALITY

Groundwater quality in the Chino Basin has deteriorated due to increasing concentrations of total dissolved solids, nitrates, chlorides, and alkaline earth metals. Evidence of contamination from organic chemicals has also been documented. Over 20 volatile organic compounds (VOCs), several pesticides, herbicides, and fumigants have been found in groundwater samples. Trichloroethylene (TCE, degreasing agent); trihalomethanes (THMs, disinfection by-product); 1,2-dibromo-3-chloropropane (DBCP, formerly used as a soil fumigant); and tetrachlorethylene (PCE, a degreaser and dry cleaning solvent); have been identified in municipal water and agricultural wells throughout the Basin. Several wells have been abandoned due to high VOC concentrations. Samples taken in 1988 from a well located along Cucamonga Creek, approximately two miles downgradient of ONT, have shown concentrations of TCE at 95 ppb. No wells upgradient of ONT have detected TCE. Investigations by water management officials into sources of these pollutants are continuing, with several industries and landfills being investigated as potential point sources of ground water deterioration.

2.2 SITE LOCATIONS AND DESCRIPTIONS

The four subject properties are located in the southern part of Ontario International Airport, as shown in Figure 3. The sites have been termed sites 1 through 4 in this report for identification purposes.

Site 1 is an 8.754 acre empty parcel covered by of grass with some paved areas. No buildings or structures exist on the site. It is bound by an aircraft taxiway to the north, a service road to the west and south, and by



Base Plan Courtesy of Los Angeles Department of Airports

DEPARTMENT OF AIRPORTS	
ONTARIO AIRPORT LAYOUT PLAN AND SITE LOCATIONS MAP	
CDM	FIGURE 3

the Federal Express leasehold to the east. An inactive auto gas station with USTs lies near the northwest boundary of the site. This gas station will be addressed as part of the ongoing Underground Tank and Hazardous Substances (UTAHS) program.

Site 2 is 5.321 acres, and is primarily asphalt with a small grass area in the southeast part of the property. No buildings or structures exist on the site. Directly south of the site is Otto's Instrument Services, east is an inactive fire station, and north and west are aircraft taxiways.

Site 3 is a 13.369-acre parcel covered by asphalt, with a small grass area in the southern-most part of the site. Site 3 is bounded by General Electric to the west, Beechcraft West to the east, Avion Drive to the south, and an aircraft taxiway to the north.

Site 4 is covered by asphalt with a large hanger located in the south-central part of the property. Site 4 encompasses 22.8689 acres. Directly east of the site lies Cucamonga Creek, to the north is an aircraft taxiway, and to the west is a DOA service road. Beyond the service road is a 110 feet wide grass field. West of the field is the Beechcraft West taxiway. To the south of the site is the California Air National Guard and an inactive Lockheed underground fuel tank farm.

2.3 MAP AND AERIAL PHOTOGRAPH REVIEW

Several maps showing the airport layout from the 1940s to present were reviewed. These maps showed the expansion of ONT, illustrating any development that occurred on the sites. Eight sets of aerial photographs dated 4-14-33, 9-8-35, 2-5-39, 11-19-45, 8-24-48, 7-18-49, 8-7-52, and 11-19-52 were reviewed to confirm the site maps and to verify activities at each site. These photographs revealed that the sites underwent few changes during this time period.

Site 1 was planted in vineyards until the early 1940s when the aircraft taxiway and tie-down areas were constructed. No buildings were evident from the photos and the site remains today as it appeared in the 1940s.

Site 2 has undergone few changes. The aerial photos revealed that this site remained planted in vineyards from 1933 to 1952.

Site 3 remained unchanged with the exception that between 1939 and 1945, some of the vineyards were removed so the aircraft tie downs and taxiway could be constructed.

Site 4 has undergone the most changes. Until the mid to late 1950s, Site 4 remained mostly planted in vineyards. In 1945 a dirt access road to Cucamonga Creek was present across the mid part of the site. Directly north of the dirt road, along the west edge of the site, a skeet range was present. This skeet range was also illustrated in the 1945 Army map. Along the north edge of the site were some small buildings which the 1945 Army map identified as Post Engineers storage sheds. The 7-18-49 photograph showed that two additional clearings in the vineyard were made along the west edge of the site, but no structures were erected. By 8-7-52 the clearings had returned to vineyards. The 8-7-52 photo also showed that on area on the west side of Cucamonga Creek contained mounds of imported soil.

2.4 REGULATORY REVIEW

A regulatory review has been conducted to determine if any of the sites have been issued any notice of violations or if other environmental action has been taken by any of the regulatory agencies. The following agencies were contacted:

Agency	Contact
California Regional Water Quality Control Board (CRWQCB), Santa Ana Region	Mike Adackapara Pat Wong (714) 782-4130
County of San Bernardino Department of Health Services (DHS)	
- Hazardous Substance Enforcement	Elizabeth Parmenter (714) 387-3044
- Solid Waste Management	Bonnie Butler (714) 387-4655

Agency	Contact
South Coast Air Quality Management District (SCAQMD)	Charlene Christopher (818) 572-6463
Environmental Protection Agency (EPA)	Ida Tolliver (415) 974-7931
City of Ontario Fire Department (OFD)	Chief Dingman (714) 986-4579

A search of CRWQCB, DHES, SCAQMD, and OFD files has shown that no actions or violations have occurred at the sites. Written responses from the remaining agencies are still pending. Should any of the responses show that action has taken place at any of the sites then an addendum will be made to this Phase I study.

2.5 SITE HISTORIES

Ontario Airport began operations in late 1929 on a 30-acre parcel of land located at the southwest corner of the current airport site. During the 1940s, airport expansion and development continued with the construction of two concrete runways. Shortly after the U.S. entered into World War II, the federal government took control of the airport for use as an observation base which evolved into an Army Air Corps fighter training base and was the site of constant military activity. After the war, the airport was returned to the city of Ontario and rededicated to civil aviation.

Site 1 had vineyards that were removed in the early 1940s. Part of the site was paved for aircraft tie-downs and taxiways. According to 1945 Army map and aerial photographs reviewed no structures were located on the site.

Site 2, according to the 1945 Army map notations and to DOA personnel, never had structures on the site. The site remained covered in vineyards until the mid 1950s or 1960s when the vineyards were removed and part of the site was paved for an aircraft taxiway. The site is presently limited to vehicle parking on the grass area and to aircraft tie-down on the paved areas. No known vehicle or aircraft maintenance occurred at this location.

along the eastern boundary of the site were an engine test cell and Quonset huts. An above ground tank for the storage of fuel was also located in the northeast corner of the site. A plane wash rack was located east of the hanger with its waste water draining to a nearby clarifier and then into Cucamonga Creek. Four 25,000 gallon and one 12,000 gallon USTs were installed during the 1950s and 1960s which stored aircraft fuel and heating oil. The test cell and the Quonset huts no longer exist, however, the clarifier and the fuel USTs still remain on the site, but are inactive. The USTs were abandoned at various times during the 1960s and 1970s by filling the tanks with a soda/water mixture and remain in this condition. These USTs will be addressed as part of the ongoing UTAHS program.

2.6 SITE SURVEY

Two site surveys were conducted on July 25,1990 and August 22, 1990 by CDM personnel. The purpose of the surveys was to verify documented structures and determine, if possible, that no additional structures or USTs existed on the sites. In addition, an attempt was made to determine the location of the former gas station in relation to Site 1 and locate potential areas requiring Phase II investigations.

2.6.1 SURVEY RESULTS

The location of the former gas station relative to Site 1 was determined by triangulation from known points. The former gas station was determined to have been located approximately 50 feet to the north of Site 1, near the west end. The survey of Site 1 also revealed no visible evidence of previous structures and that the eastern edge of the site is currently being used as additional parking for Federal Express vehicles. The aircraft revetments (dispersal points for aircraft parking) are still located on Site 1 as originally shown on 1945 Army map.

The survey of Site 2 showed a 55 gallon drum on the grass area near the east fence. Site 2 lies adjacent to the inactive DOA fire station at which a UST is still present. This UST is scheduled to be removed as part of the

ongoing UTAHS program. During the site visit it was observed that aircraft parking occurs on the west tarmac area.

Site 3 is presently a high speed driving training area for the San Bernardino County Sheriffs Department. No structures exist on the property, however, evidence of previous structures is visible. Along the eastern border, the base of former blast fencing is visible. This fencing was removed in the early 1980s. A DOA employee said that the area underneath the blast fencing was used for storage. What materials were stored there was not documented. The northwestern area of the site housed several small administration buildings and the outline of the buildings are visible. An old electrical box was also observed on the eastern edge of the site. Two rectangular areas of discolored asphalt were observed in the northern half of Site 3. These areas are comparatively dark in color, however, cause of the phenomenon was not readily apparent.

Site 4 shows the current use of the hanger on Site 4 is DOA and police storage. DOA stores furniture, documents, and some "light" water mix (3-6%), which is used as a fire-fighting agent. The police store vehicles and training equipment in the southern part of the hanger. A 2-stage clarifier is east of the hanger; one stage contained a dark fluid, the other could not be opened for viewing. Along the eastern edge of the site were foundation pads of former small buildings and the housing of a former electrical box. Further north along the eastern border is a pad for a former aboveground storage tank. Documentation of the contents of the tank was not found. According to DOA employees, the northeast corner of the site was an above- ground storage tank facility. Along the western border there is a small grass area where Marston-Mat, temporary metal runway, is located.

2.7 SURROUNDING LAND USE

The surrounding land use review, which included review of the UTAHS report and interviews with surrounding leaseholders, has shown that USTs and/or hazardous substances are present at many of the adjacent leasehold sites. These surrounding uses may be of concern to the subject sites.

To the northwest of Site 1 lies a gas station which has been inactive since 1982. The integrity of the UST has not been determined and is within 50 feet of Site 1. To the west of the study site are two 10,000 gallon USTs on the Federal Express lease. These tanks were installed in 1987, are regularly inventoried, and are equipped with a leak detection system.

Within 30 feet of the eastern Site 2 boundary, there is an UST present at the inactive DOA fire station. This tank is scheduled to be removed and the surrounding soils assessed under the UTAHS program. To the south of Site 2 lies Otto's Instrument Services, which is known to use and store drums of trichlorethylene and lacquer thinner.

Site 3 has several bordering off-site activities of concern. To the south is a Beechcraft West fuel farm that contains seven USTs with a total capacity of 88,500 gallons. These were installed in 1983, are inventoried regularly, annually pressured tested, but are not outfitted with any other monitoring system. West of Site 3 is the General Electric Maintenance Facility which uses significant amounts of several hazardous materials.

To the south of Site 4 is a fuel farm operated by Lockheed. Fuel spills have occurred at this location which are currently under investigation. Also to the south is California Air National Guard (CANG). Activities at this site are primarily limited to vehicle storage and no use of hazardous substances is known to occur. There is an inactive UST at the south of the CANG site near Jurupa Road. Cucamonga Creek, to the east of Site 4, is currently a concrete lined channel with low potential for contributing contamination to the site from upstream sources.

2.8 PHASE I CONCLUSIONS AND RECOMMENDATIONS

The conclusions of the Phase I Environmental Assessment and recommendations are presented in the following sections.

2.8.1 CONCLUSIONS

Based on the findings of the Phase I Environmental Assessment, there may have been some hazardous material use or storage on/near some of the sites

that may warrant further investigation. No evidence of USTs, that were not previously reported in 1988 UTAHS report, were found.

At Site 1, contaminated soils from the inactive gas station north of the site will be addressed under the UTAHS program and require no action from this assessment. The aircraft revetment that lies within Site 1 should be further investigated. Historically, revetments were the site of fueling and maintenance of aircraft and soil contamination may have occurred. Although Federal Express uses part of Site 1 as additional parking, no known maintenance occurs. Therefore, the potential for soil contamination from this activity is minimal.

Site 2 is near an UST at the inactive DOA Fire Station, which will be addressed in the UTAHS program. The contents of the 55-gallon drum are unknown. The fence line of Otto's Instruments may be a problem because of the drums of hazardous materials stored there.

Site 3 may contain areas of soil contamination from several sources. The Beechcraft West fuel farm, the former electric box, the discolored asphalt areas in the north-central part of the site, and the border of General Electric. General Electric uses and stores numerous types and quantities of hazardous substances. Several drums and tanks of unknown status are stored along the fence line and may potentially have impacted Site 3.

Site 4 contains areas of potential soil contamination near the former AST, the Test Cell, and electrical box. The dark fluid present in the clarifier is unknown. Although aerial photographs indicated soil was imported to the northeast corner of the site, DHS officials had no documentation that hazardous substances were disposed of there.

2.8.2 RECOMMENDATIONS

Site 1 is potentially contaminated as a result of aircraft activities in the area, possibly including maintenance. It is recommended that two soil borings be advanced within the revetment perimeter, on opposite sides. With each boring, soil samples will be collected in each boring at the soil

surface, and 2.5, 5, 10 and 15 feet below the surface. If field screening of these samples finds significant levels of contamination, a third boring with soil sampling is recommended. This third boring will also be located within the other two borings. Field screening, using a Flame Ionization Detector along with lithologic and depth information, will be used to determine which samples will be laboratory analyzed. Laboratory analyses using methods 8010, 8020 and 8015M and 418.1 will be performed on the selected samples.

Site 2 is potentially contaminated as a result of drummed hazardous materials storage in two areas: the abandoned 55-gallon drum and the fence line of Otto's Instruments. It is recommended that one sample be collected from the abandoned drum's contents and the neighboring surface soil. It is also recommended that two borings be advanced along the fence line of Otto's Instruments with soil samples collected at the surface, and 2.5', 5', 10' and 15' below the surface. Field screening as above will determine which samples will be laboratory analyzed. Laboratory analyses using methods 8010, 8020 and 8015M and 418.1 will be performed on the selected soil samples.

Site 3 is potentially contaminated in four areas as a result of USTs and hazardous materials usage. The areas near the General Electric fence line, the Beechcraft West fuel farm, the areas of different colored soils and the former electrical box. Using the soil boring and analytical protocols specified for Site 1, two borings are recommended at the GE fence line, one boring each near the Beechcraft West fuel farm, and the areas different colored soil. Another boring is recommended near the former electrical box with samples analyzed for petroleum hydrocarbon (method 418.1) and polychlorinated biphenyls (PCBs) (method 8080).

Site 4 is potentially contaminated in five areas. At the electric station, it is recommended that a soil sample be collected using criteria detailed for Site 3. At the clarifier, it is recommended that samples of fluid be collected at both stages, and analyzed using methods 601, 602, 8015M, 413.2 and 608. Because the clarifier may have leaked or overflowed, one boring is recommended at both the influent and effluent ends, completed as detailed for Site 1.

Borings are also recommended for both the former engine Test Cell and former AST location, the area suspected of having imported soil, and near the former electrical box.

In summary, the Phase I Assessment has revealed several potential locations within the sites which may contain contaminated soils. The recommendations for the Phase II Investigation are summarized below:

Site 1) Soil/Gas survey on/near aircraft revetment.

Site 2) Soil/Gas survey along Otto's Instrument fenceline extending to westernmost border nearest to Fluor's property.

) Sampling and removal of the observed 55 Gallon drum.

Site 3) Sampling of soils around the transformer pad for possible PCBs. This pad is located along the eastern edge of the property.

) Soil/Gas survey on different colored areas, north end of site.

) Soil/Gas survey along General Electric border near storage area.

) Soil/Gas survey near Beechcraft West fuel farm.

Site 4) Sampling, characterization, and proper disposal of clarifier fluid.

) Soil/Gas survey near clarifier.

) Sampling at electrical station on eastern border for possible PCBs.

) Soil/Gas survey near former Engine Test Cell location.

) Soil/Gas survey at former AST location along eastern edge of property.

) Soil boring at northeast corner at former disposal site.

3.0 - PHASE II INVESTIGATION

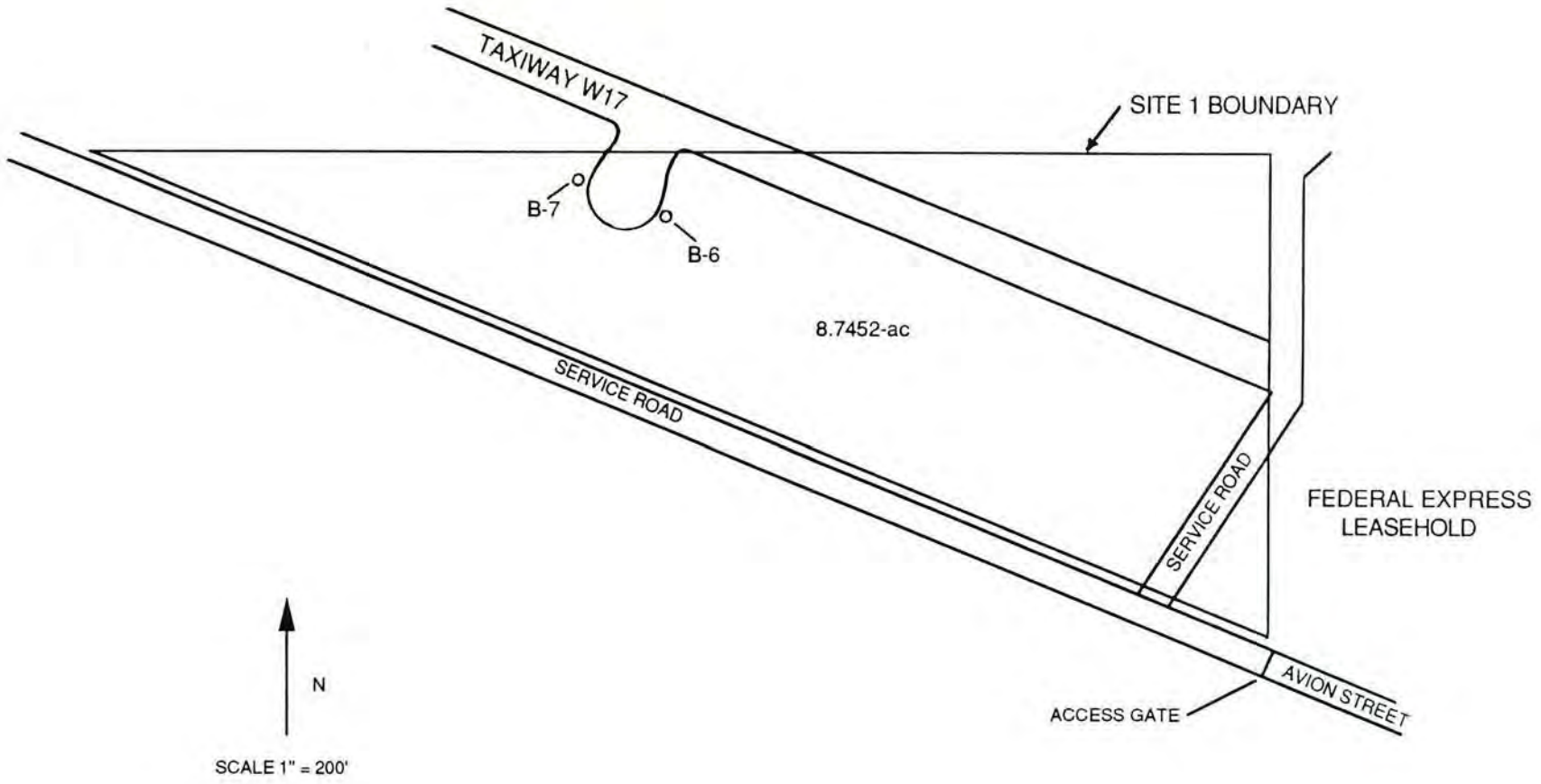
The Phase II Environmental Assessment of the subject sites was conducted by CDM personnel on September 24 and 25, 1990. Ninyo & Moore provided field assistance to CDM personnel during drilling and sampling. Field activities included discrete tasks which are described in the following sections of this document.

3.1 DRILLING AND SAMPLING PROGRAM

All boring locations were approved by Underground Service Alert after contacting all applicable underground utility companies.

Beylik Drilling, Inc., of La Habra, California, was contacted to perform borehole drilling and sampling services. Drilling was performed using a Mobile B-61 hollow stem auger rig and two-man crew. A 2-inch diameter split-spoon sampler was utilized for subsurface soil sample collection. A total of 16 borings were drilled. Samples were nominally collected at 0.0, 2.5, 5.0, 10.0, and 15.0 feet below ground surface. Appendix A shows individual borehole logs and actual sample locations. Each sample collected was field screened for volatile organic emissions utilizing a Foxboro 128 Flame Ionization Detector (FID) and the screening data was recorded on the boring log. The boring locations at each site are shown in Figures 4 through 7.

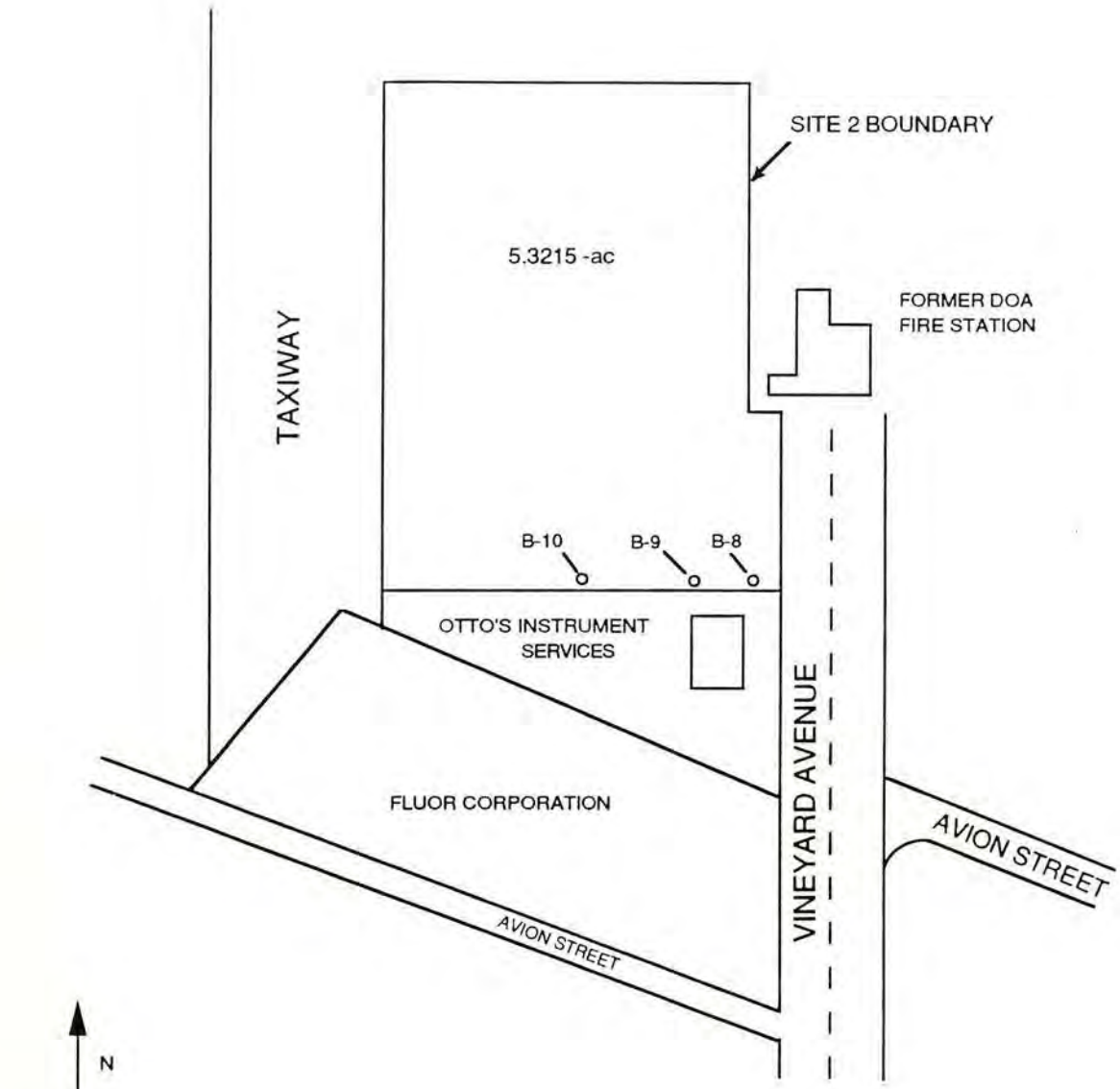
Drilling activities began with mobilization to Site 3 on September 24, 1990. Boring B-1 was placed near the Beechcraft West fuel farm. Field FID readings showed readings of 0 from all of the samples collected. Borings B-2 and B-3 were placed along the General Electric property fenceline. FID readings in B-2 showed a slight response of 5 to 7 ppm throughout the boring and up to 6.5 ppm in boring B-3. Boring B-4 was placed on the "discolored" area noted in the Phase I assessment. No FID response was detected in any of the samples collected from the boring. B-5 was placed along the east side of the site near the electrical housing box. The FID showed a response of 14 ppm at 0.0 feet, 10 ppm at 2.5 feet, and 4 ppm at 5.0 feet.



KEY

B-6 - SOIL BORING NUMBER AND LOCATION

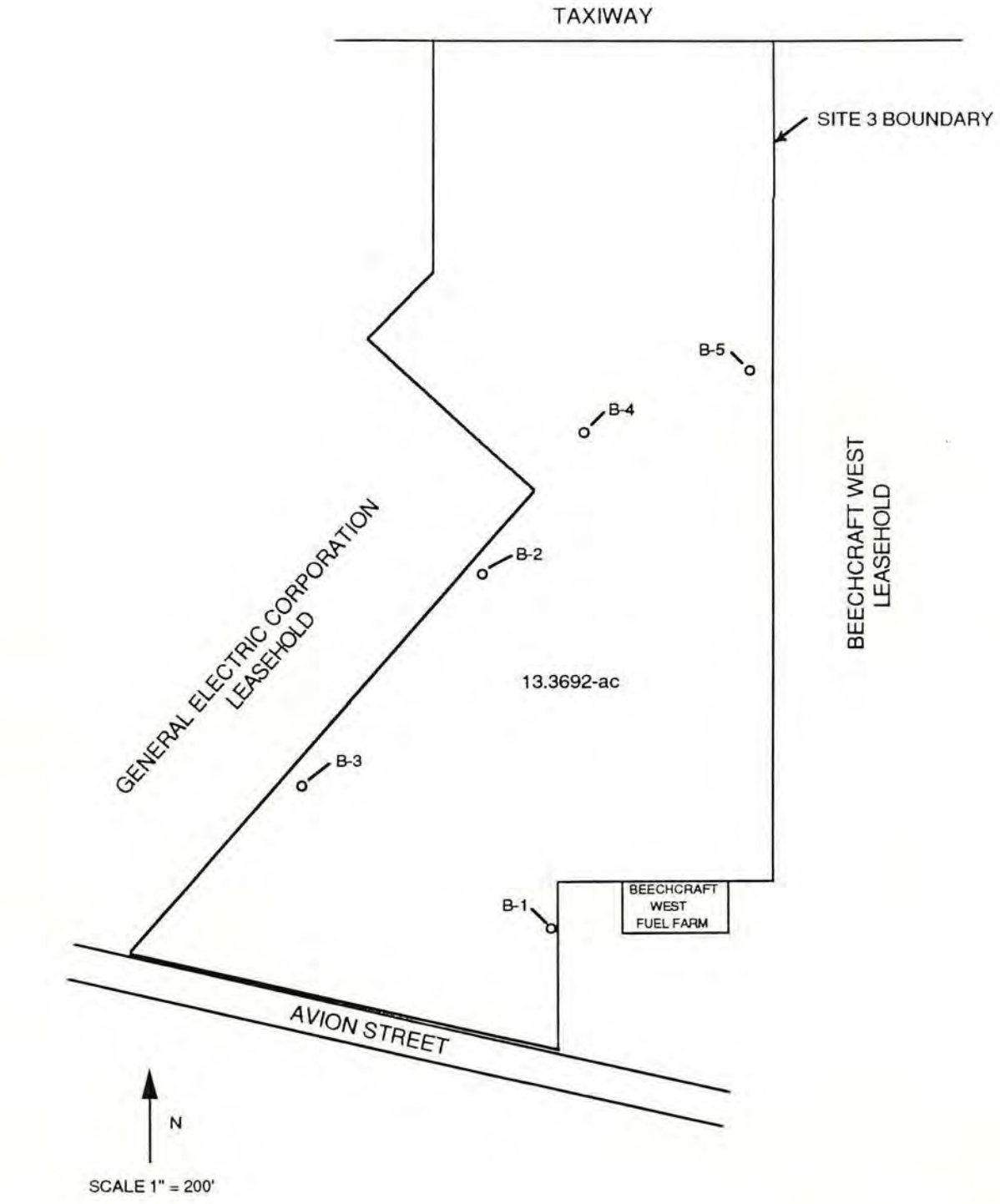
DEPARTMENT OF AIRPORTS	
SITE 1 BORING LOCATION MAP	
CDM	FIGURE 4



KEY

B-8 - SOIL BORING NUMBER AND LOCATION

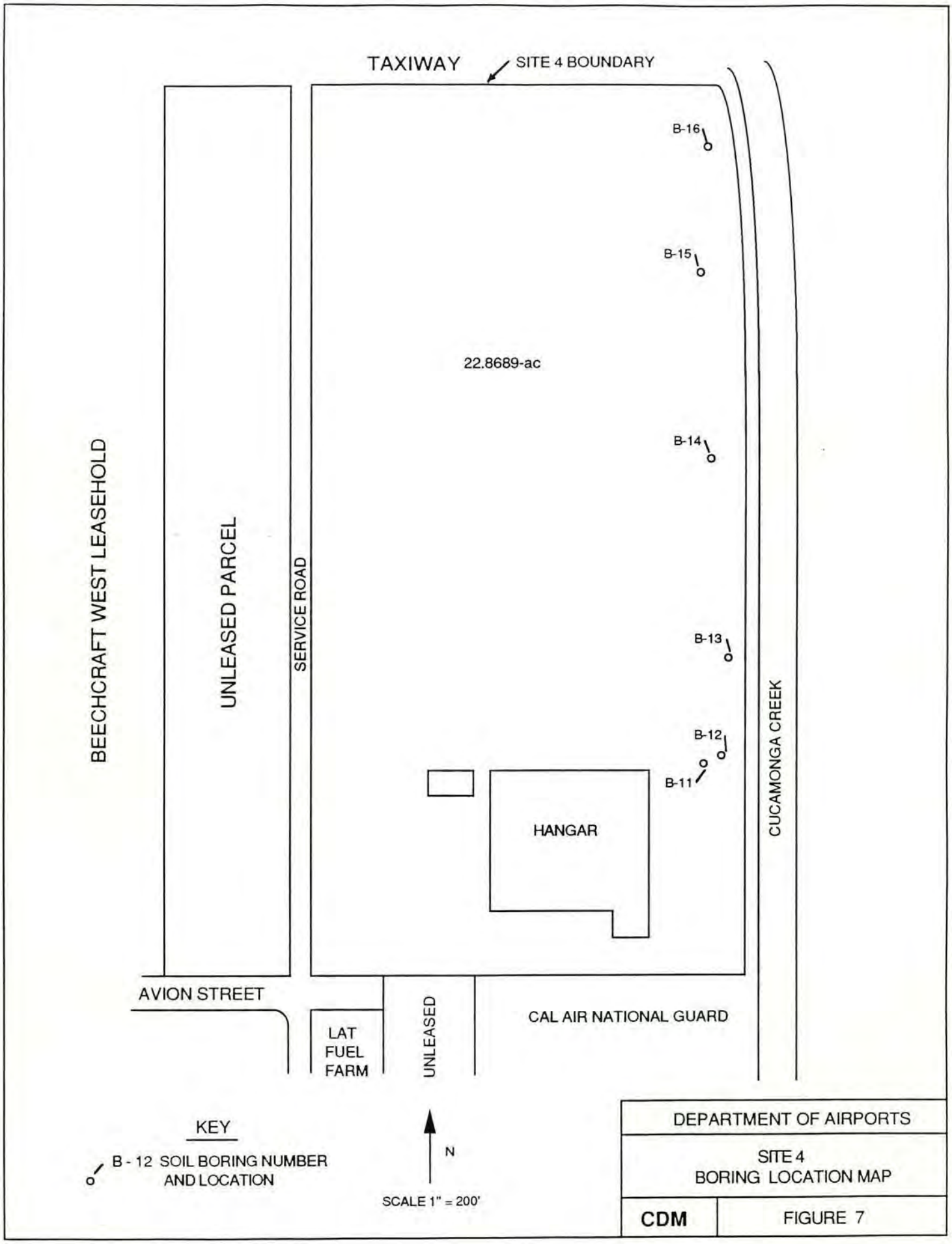
DEPARTMENT OF AIRPORTS	
SITE 2 BORING LOCATION MAP	
CDM	FIGURE 5



KEY

B-3 - SOIL BORING NUMBER AND LOCATION

DEPARTMENT OF AIRPORTS	
SITE 3 BORING LOCATION MAP	
CDM	FIGURE 6


TAXIWAY
SITE 4 BOUNDARY
B-16
B-15
22.8689-ac
B-14
BEECHCRAFT WEST LEASEHOLD
UNLEASED PARCEL
SERVICE ROAD
B-13
CUCAMONGA CREEK
B-12
B-11
HANGAR
AVION STREET
LAT FUEL FARM
UNLEASED
CAL AIR NATIONAL GUARD
KEY
B - 12 SOIL BORING NUMBER AND LOCATION
N
SCALE 1" = 200'
DEPARTMENT OF AIRPORTS
SITE 4
BORING LOCATION MAP
CDM
FIGURE 7

Upon completion of drilling at Site 3, Site 1 was investigated. Boring B-6 was placed on the east side of the former revetment and B-7 was placed on the west side. Field FID screenings showed little to no response, so a third boring at the revetment was determined to be not warranted.

Drilling moved to Site 2 following activities at Site 1. Borings B-8, B-9, and B-10 were drilled and placed along Otto's Instrument Service property line. Field FID screening was not conducted on samples collected from these borings because of a malfunction of the instrument.

On September 25, 1990, drilling resumed at Site 4. Borings B-11 and B-12 were placed near the clarifier east of the hangar. FID readings up to 210 (influent) and 60 ppm (effluent) respectively, were observed. The maximum values at both locations were at 5.0 feet, which is at the level just below the bottom of the clarifier. Boring B-13 was placed near the former electrical housing and FID readings averaged about 110 ppm from 2.5 feet down to 15.0 feet. B-14 was located at the former above ground storage tank site and at the 5.0 foot depth, an FID reading of 210 ppm was measured. B-15 was placed at the former test cell location and the FID showed no indication of organic vapors present. The final boring, B-16 was drilled to investigate soils adjacent to the former tank pad and to sample the area reported to be imported soil. The FID showed a reading of 225 ppm at a depth of 5.0 feet at this location.

As the boring logs indicate, the subsurface lithology consisted primarily of sand, silt, and gravel. No groundwater was encountered during any of the drilling.

Upon completion of the drilling activities at each site, the boreholes were backfilled with native materials with the exception of borings B-12, B-13, B-14, and B-16. These borings showed comparatively high FID readings and were therefore backfilled with a 5 percent bentonite cement grout mixture. Soil cuttings from these boreholes were contained in separate 55-gallon drums and later picked up by DOA personnel and stored pending laboratory results.

3.2 TWO-STAGE CLARIFIER SAMPLING

Samples were collected from the two-stage clarifier east of the hangar at Site 4. Each stage appeared to be about 3/4 full. The clarifier had a very pungent odor similar to old, stagnant water. Near the inlet point of stage 1, the surface of the fluid was frothy, but no surficial oil or sheen was noticed. Fluid was collected from each stage using a new disposable bailer for each stage. Samples of the fluid collected appeared to be clear, but had green algae type particles floating in it. After delivery to the laboratory, corresponding containers from each stage were composited and analyzed.

3.3 EQUIPMENT DECONTAMINATION

All downhole equipment (drill rods and bits) were decontaminated by steam cleaning prior to each use. The sampling spoons were decontaminated by an alconox solution wash, tap water rinse, double rinse with DI water, and a final rinse with methanol.

3.4 SAMPLE HANDLING

After collection, the soil samples and water samples were promptly labeled and placed into ice-filled coolers. All samples were accompanied with chain of custody forms and hand delivered to Terra Tech Labs in Huntington Beach, California for analysis. Appendix B shows copies of the original chain of custody forms.

4.0 - FINDINGS

During the Phase II investigation, a total of 77 samples were collected. Seventy-five were soil samples from the borings and the remaining 2 were water samples from the clarifier at Site 4.

During the soil boring operation, five samples were not collected due to refusal of the sampling tool or the sample was lost due to its dry composition and fine-grained texture. These samples include: B-1-15.0, B-4-10.0, B-6-15.0, B-11-10.0, and B-14-15.0.

Not all samples were chosen for laboratory analysis. Most selected samples were chosen based on elevated field FID readings and/or visual evidence of possible contamination. The chain of custody forms in Appendix B show, with a check mark, the samples selected and the analyses performed.

The California Water Resources Control Board has developed, within its Leaking Underground Fuel Tank (LUFT) manual, guidelines for determining cleanup levels for soil at contaminated sites. The guidelines help to classify sites into categories based on the degree of contamination. Table 1 illustrates the LUFT work sheet for determining the maximum allowable soil concentrations for benzene, toluene, xylene, and ethylbenzene. The work sheet shows that the maximum allowable concentrations for the above substances based on the character of the site are 1/50/50/50 ppm, respectively. The maximum allowable total petroleum hydrocarbons (TPH) for gasoline and diesel are 1,000 and 10,000 ppm, respectively. Based on these criteria, none of the samples analyzed are above the allowable concentrations with the exception of B-4-2.5 which has an anomalous value of 25,000 ppm of TPH (Table 2). The metals analyses of samples B-14-2.5 and B-15-5.0 appear to be elevated but the concentrations reported are still below the Total Threshold Limit Concentration (TTLC) as defined by the Environmental Protection Agency (Table 3). The clarifier sample results showed that no volatile organics, pesticides, PCBs, or unusual levels of metals were present. However, a trace amount of cyanide was reported (Table 4).

TABLE 1
LUFT MANUAL WORKSHEET

Leaching Potential Analysis for Gasoline and Diesel
Using Total Petroleum Hydrocarbons(TPH)
and Benzene, Toluene, Xylene and Ethylbenzene (BTX&E)

The following table was designed to permit estimating the concentrations of TPH and BTX&E that can be left in place without threatening ground water. Three levels of TPH and BTX&E concentrations were derived (from modeling) for sites which fall into categories of low, medium or high leaching potential. To use the table, find the appropriate description for each of the features. Score each feature using the weighting system shown at the top of each column. Sum the points for each column and total them. Match the total points to the allowable BTX&E and TPH levels.

SITE FEATURE	SCORE 10 PTS IF CONDITION IS MET		SCORE 9 PTS IF CONDITION IS MET		SCORE 5 PTS IF CONDITION IS MET	
Minimum Depth to Ground Water from the Soil Sample (feet)	10	>100		51-100		25-50\1
Fractures in subsurface (applies to foothills or mountain areas)	10	None		Unknown		Present
Average Annual Precipitation (inches)		<10	9 (15)	10-25		26-40\2
Man-made conduits which increase vertical migration of leachate	10	None		Unknown		Present
Unique site features: recharge area, coarse soil, nearby wells, etc	10	None		At least one		More than one
COLUMN TOTALS→TOTAL PTS	40	+	9	+	0	= 49
RANGE OF TOTAL POINTS	49pts or more		41 - 48 pts		40pts or less	
MAXIMUM ALLOWABLE B/T/X/E LEVELS (PPM)	(1/50/50/50)		.3/.3/1/1		NA\3	
MAXIMUM ALLOWABLE TPH LEVELS (PPM) GASOLINE	1000		100		10	
MAXIMUM ALLOWABLE TPH LEVELS (PPM) DIESEL	10000		1000		100	

\1 If depth is greater than 5 ft. and less than 25 ft., score 0points.
If depth is 5 ft. or less, this table should not be used.
\2 If precipitation is over 40 inches, score 0 points.
\3 Levels for BTX&E are not applicable at a TPH concentration of 10ppm (gasoline) or 100ppm (diesel)

TABLE 2
SOIL BORING LABORATORY RESULTS

SAMPLE I.D.	EPA 8020 BENZENE (mg/kg)	EPA 8020 TOLUENE (mg/kg)	EPA 8020 ETHYLBENZENE (mg/kg)	EPA 8020 XYLENES (mg/kg)	EPA 418.1 TPH REC. (mg/kg)	EPA 8010 (ug/kg)
B-1-0.0	ND	0.005	ND	ND	1200	-
B-1-10.0	ND	ND	ND	ND	16	-
B-2-0.0	ND	0.013	ND	ND	ND	ND
B-2-2.5	ND	ND	ND	ND	19	ND
B-3-0.0	ND	0.038	ND	ND	100	ND
B-3-2.5	ND	0.038	ND	ND	ND	ND
B-4-0.0	ND	0.016	ND	ND	ND	ND
B-4-2.5	ND	0.21	ND	ND	25000	ND
B-5-0.0	-	-	-	-	2500	-
B-5-2.5	-	-	-	-	18	-
B-6-0.0	ND	0.017	ND	ND	ND	ND
B-6-10.0	ND	0.0071	ND	ND	180	ND
B-7-0.0	ND	0.52	ND	ND	630	ND
B-7-15.0	ND	0.13	ND	ND	520	ND
B-8-0.0	ND	0.19	ND	ND	410	ND
B-8-2.5	ND	0.016	ND	ND	54	ND
B-9-0.0	ND	ND	ND	ND	5100	ND
B-9-15.0	ND	0.024	ND	ND	68	ND
B-10-0.0	ND	ND	ND	ND	140	ND
B-10-2.5	ND	0.0081	ND	ND	400	ND
B-11-2.5	ND	ND	ND	ND	ND	ND
B-11-5.0	ND	ND	ND	ND	19	ND
B-11-15.0	ND	ND	ND	ND	35	ND
B-12-0.0	ND	ND	ND	ND	210	ND
B-12-2.5	ND	ND	ND	ND	ND	ND
B-12-10.0	ND	ND	ND	ND	160	ND
B-12-15.0	ND	ND	ND	ND	17	ND
B-13-2.5	ND	0.013	ND	ND	ND	ND
B-13-5.0	ND	0.011	ND	ND	130	ND
B-13-15.0	ND	0.075	ND	ND	ND	ND
B-14-2.5	ND	0.11	ND	ND	20	ND
B-14-5.0	ND	0.011	ND	ND	180	ND
B-14-10.0	ND	0.029	ND	ND	ND	ND
B-15-0.0	ND	0.069	ND	ND	56	ND
B-16-0.0	ND	0.018	ND	ND	250	ND
B-16-5.0	ND	0.038	ND	ND	930	ND
B-16-15.0	ND	0.0082	ND	ND	18	ND
DET. LIMITS (mg/kg)	0.005	0.005	0.005	0.005	1.00	5.00 (ug/kg)

TABLE 3

CAM 17 METALS RESULTS

Sample I.D.	B-14-2.5	B-14-5.0		
PARAMETERS	(mg/kg)	(mg/kg)	Detection Limits (mg/kg)	TTLC Limits (mg/kg)
Antimony	5.00	1.9	2	500
Arsenic	7.2	2.8	0.05	500
Barium	130	47	1	10000
Beryllium	1.8	1.7	0.5	75
Cadmium	ND	ND	0.5	100
Chromium	18	8.2	0.5	2500
Chromium VI	ND	ND	0.05	500
Cobalt	7.6	5	0.5	8000
Copper	86	8.4	1	2500
Lead	350	1.9	0.5	1000
Mercury	ND	ND	0.02	20
Molybdenum	ND	ND	2	3500
Nickel	33	3.8	0.5	2000
Selenium	ND	ND	0.05	100
Silver	ND	ND	0.5	500
Thallium	2.5	0.95	2	700
Vanadium	47	23	2	2400
Zinc	370	69	0.5	5000

TTLC = Total Threshold Limit Concentration
ND = Not Detected

TABLE 4
CLARIFIER ANALYSIS FOR PREDISPOSAL PACKAGE
COMPOSITE OF STAGE 1 AND 2

Flash Point	No flash up to 230	
pH	7.9	
TRPH	15	
Cyanides	Trace	
Phenols	0.04	
Sulfides	ND	
Halogenated Organics	N/A	
Percent Water	99.9	
Percent Solids	0.1	
Percent Oil	N/A	
Arsenic	ND	mg/L
Beryllium	ND	mg/L
Cadmium	ND	mg/L
Chromium	ND	mg/L
Cobalt	ND	mg/L
Copper	ND	mg/L
Iron	0.38	mg/L
Lead	ND	mg/L
Mercury	ND	mg/L
Nickel	ND	mg/L
Selenium	ND	mg/L
Thallium	ND	mg/L
Vanadium	ND	mg/L
Zinc	ND	mg/L

ND = Not Detected

4.0 - FINDINGS

During the Phase II investigation, a total of 77 samples were collected. Seventy-five were soil samples from the borings and the remaining 2 were water samples from the clarifier at Site 4.

During the soil boring operation, five samples were not collected due to refusal of the sampling tool or the sample was lost due to its dry composition and fine-grained texture. These samples include: B-1-15.0, B-4-10.0, B-6-15.0, B-11-10.0, and B-14-15.0.

Not all samples were chosen for laboratory analysis. Most selected samples were chosen based on elevated field FID readings and/or visual evidence of possible contamination. The chain of custody forms in Appendix B show, with a check mark, the samples selected and the analyses performed.

The California Water Resources Control Board has developed, within its Leaking Underground Fuel Tank (LUFT) manual, guidelines for determining cleanup levels for soil at contaminated sites. The guidelines help to classify sites into categories based on the degree of contamination. Table 1 illustrates the LUFT work sheet for determining the maximum allowable soil concentrations for benzene, toluene, xylene, and ethylbenzene. The work sheet shows that the maximum allowable concentrations for the above substances based on the character of the site are 1/50/50/50 ppm, respectively. The maximum allowable total petroleum hydrocarbons (TPH) for gasoline and diesel are 1,000 and 10,000 ppm, respectively. Based on these criteria, none of the samples analyzed are above the allowable concentrations with the exception of B-4-2.5 which has an anomalous value of 25,000 ppm of TPH (Table 2). The metals analyses of samples B-14-2.5 and B-15-5.0 appear to be elevated but the concentrations reported are still below the Total Threshold Limit Concentration (TTLC) as defined by the Environmental Protection Agency (Table 3). The clarifier sample results showed that no volatile organics, pesticides, PCBs, or unusual levels of metals were present. However, a trace amount of cyanide was reported (Table 4).

5.0 - RECOMMENDATIONS

Based on an evaluation of the analytical data from the soil borings and the water samples, subsurface contamination originating from on-site sources does not appear to be present at Site 1, Site 2, Site 3, and Site 4. An anomolous elevated TPH value was encountered at depth 2.5 feet at soil boring location B-4 at Site 3. This sample was taken beneath a thick layer of asphalt which may have been incorporated into the sample causing an elevated TPH measurement. The other analyses performed on the sample indicate that all other constituents are below detectable levels and also the sample B-4-0.0, which directly overlies B-4-2.5, showed nondetection of TPH and all other constituents analyzed. Field FID measurements of the sample indicated no presence of volatiles and suggests that the elevated TPH value in the laboratory report may in fact be an analytical error and not soil contamination at Site 3.

The following recommendations are hereby made for the sites:

Site 1 - No further action required

Site 2 - Removal of the empty 55-gallon drum

Site 3 - No further action required

Site 4 - Removal of clarifier fluid by reputable disposal contractor. The intake of the clarifier should then be blocked to prevent further use.

Appendix A

CAMP DRESSER & McKEE Inc.

Soil Boring Log -

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-1

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-24-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG m: Lithology	GRAPHIC LOG m: Well constr	GRAPHIC LOG m: Water Level	GRAPHIC LOG m: Lab	GRAPHIC LOG m: Lith	FID PID (ppm)	BLOWS	RECOV.
	SILTY SAND - Light brown; Silt to fine sand; Poorly sorted; Dry.	SM		BACKFILLED WITH NATIVE SOIL	NO GROUNDWATER ENCOUNTERED	X	X	N/A	18, 42, 56	1.3/1.5
	SAND - Medium Brown; Very fine to fine; Moderate sorting; Minor silt; Dry.	SP				X	X	0	14, 22, 24	1.4/1.5
5	SAND - Dark brown; Fine to medium; Moderate sorting; Subangular to subrounded; Dry.	SP				X	X	0	6, 22, 24	1.2/1.5
10	SAND - Gray brown, Fine to coarse; Moderate sorting; Subangular to subrounded; Moist.	SP				X	X	0	16, 19, 37	1.2/1.5
15	SAND AND GRAVEL - Olive brown; Medium sand to 1" gravel; Mode: Coarse sand; Poorly sorted; Sub-angular to rounded; Moist.	SW/ GW				N/A	X	0	35, 50, R	0.2/1.5
20										
25										
30										
35	KEY R = REFUSAL									
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-2

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-24-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG m: Lithology	Well constr	Water Level	Lab	Lith	FID PID (ppm)	BLOWS	RECOV.
	SAND - Dark brown; Fine to medium, Poorly sorted; Angular to subrounded; Moist.	SW		BACKFILLED WITH NATIVE SOIL	NO GROUNDWATER ENCOUNTERED	X	X	5	10, 15, 16	1.2/1.5
	SAND - As Above.	SW				X	X	6	8, 16, 18	1.1/1.5
5	SILTY SAND - Dark brown; Silt to fine sand; Poorly sorted; Moist.	SM				X	X	7	7, 12, 15	1.2/1.5
10	SAND - Gray brown, Fine to coarse; Moderate sorting; Subangular to subrounded; Moist.	SW				X	X	N/A	47, 58, 60	0.8/1.5
15	SAND - Gray brown; Fine to very coarse; Mode: medium sand; Poorly sorted; Subrounded to angular; Moist.	SW				X	X	7	17,18,19	1.4/1.5
20										
25										
30										
35										
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-3

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-24-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID ___ FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG m: Lithology	GRAPHIC LOG m: Well constr	GRAPHIC LOG m: Water Level	Lab	Lith	FID PID (ppm)	BLOWS	RECOV.
	SILTY SAND - Dark brown; Silt to fine sand; Mode: Very fine sand; Poorly sorted; Moist.	SM		BACKFILLED WITH NATIVE SOIL	NO GROUNDWATER ENCOUNTERED	X	X	10	21, 59, 39	1.2/1.5
	SILTY SAND - As Above.	SM				X	X	4.5	12, 14, 13	1.4/1.5
5	SILTY SAND - As above.	SM				X	X	6.5	9, 12, 13	1.2/1.5
10	SAND WITH GRAVEL- Gray brown, Medium sand to 1" gravel; Mode: Coarse sand; Poorly sorted; Subrounded to angular; Moist.	SW/ GW				X	X	5.0	11, 24, 42	1.5/1.5
15	SANDY SILT - Olive brown; Silt to fine sand; poorly sorted; Damp.	ML				X	X	2.0	12, 18, 27	1.4/1.5
20										
25										
30										
35										
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-4

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-24-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG Lithology	GRAPHIC LOG Well constr	GRAPHIC LOG Water Level	m Lab	m Lith	FID PID (ppm)	BLOWS	RECOV.
	SILTY SAND - Dark brown; Silt to fine sand; Mode: Very fine sand; Poorly sorted; Moist.	SM		BACKFILLED WITH NATIVE SOIL	NO GROUNDWATER ENCOUNTERED	X	X	0	17, 19, 21	1.2/1.5
	NO LITHOLOGY SAMPLE RECOVERED					X	N/A	0	9, 16, 15	0.5/1.5
5	NO LITHOLOGY SAMPLE RECOVERED					X	N/A	1.5	24, 80, R	0.4/1.5
10	SILTY SAND WTH GRAVEL; Olive brown; Silt to 1" gravel; Mode: Medium sand; Poorly sorted; rounded to angular; Moist.	SW/ GW				N/A	X	0	21, 26, 37	0.1/1.5
15	SAND - Dark grayish brown; Very fine to fine; Moderate sorting; Moist.	SW				X	X	0	11, 23, 29	1.1/1.5
20										
25										
30										
35	KEY R = REFUSAL									
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-5

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-24-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG m: Lithology	Well constr	Water Level	Lab	Lith	FID PID (ppm)	BLOWS	RECOV.
	SILTY SAND - Medium brown; Silt to mediumsand; Poorly sorted; Subangular to subrounded; Damp.	SM		BACKFILLED WITH NATIVE SOIL	NO GROUNDWATER ENCOUNTERED	X	X	14	14, 16, 20	1.2/1.5
	SILTY SAND - As above.					X	X	10	7, 9, 11	1.1/1.5
5	SILTY SAND - As above.					X	X	4	8, 17, 38	0.8/1.5
10	GRAVEL AND SAND - Dark gray brown; fine sand to 1" gravel; Poorly sorted; Subangular to Subrounded; Moderate to high sphericity; Moist.	SW/ GW				X	X	3	11, 28, 31	1.3/1.5
15	SAND WITH GRAVEL - Light gray brown; Medium sand to 1" gravel; Mode: Coarse sand; Poorly sorted; Subangular to subrounded; High sphericity; Moist.	SW				X	X	2	11, 23, 24	1.4/1.5
20										
25										
30										
35										
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-6

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-24-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID ___ FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG: Lithology	GRAPHIC LOG: Well constr	GRAPHIC LOG: Water Level	Lab	Lith	FID PID (ppm)	BLOWS	RECOV.
	SILTY SAND - Dark brown; Silt to fine sand; Minor gravel to 1/8"; Poorly sorted; Dry.	SM		BACKFILLED WITH NATIVE SOIL	NO GROUNDWATER ENCOUNTERED	X	X	0	18, 20, 22	1.2/1.5
	SILTY SAND - As above	SM				X	X	0	15, 16, 12	1.4/1.5
5	SAND - Gray brown; Fine to coarse sand; Mode: Medium sand; Poorly sorted; Subangular to sub-rounded; Moderate sphericity; Dry.					X	X	0	15, 17, 21	1.0/1.5
10	SILTY SAND - Red brown; Silt to medium sand; Poorly sorted; Damp.	SM				X	X	N/A	9, 75, R	1.0/1.5
15	NO SAMPLE RECOVERED					N/A	N/A	N/A	REFUSAL	0.0/1.5
20										
25										
30										
35	KEY R = REFUSAL									
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-7

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-24-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID ___ FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG m: Lithology	GRAPHIC LOG m: Well constr	GRAPHIC LOG m: Water Level	GRAPHIC LOG m: Lab	GRAPHIC LOG m: Lith	FID PID (ppm)	BLOWS	RECOV.
	SILTY SAND - Light brown; Silt to fine sand; Poorly sorted; Dry.	SM		BACKFILLED WITH NATIVE SOIL	NO GROUNDWATER ENCOUNTERED	X	X	N/A	18, 36, 41	1.2/1.5
	SILTY SAND - As above.	SM				X	X	N/A	9, 17, 21	0.9/1.5
5	SAND AND GRAVEL - Gray brown; Medium sand to 1/2" gravel; Moderate sorting; Subangular to subrounded; Moderate sphericity; Damp.	SP/ GP				X	X	N/A	12, 14, 27	1.0 /1.5
10	SILTY SAND - Dark brown; Silt to fine sand; Minor coarse sand and gravel to 1/4"; Poorly sorted; Damp.	SM				X	X	N/A	13, 19, 45	0.8/1.5
15	SAND AND GRAVEL - Gray brown; Medium sand to 3/4" gravel; Poorly sorted; Subangular to sub-rounded; Moderate to high sphericity; Damp.	SW/ GW				X	X	N/A	20, 75, R	1.1/1.5
20										
25										
30										
35	KEY R = REFUSAL									
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-8

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-24-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG m: Lithology	GRAPHIC LOG m: Well constr	GRAPHIC LOG m: Water Level	GRAPHIC LOG m: Lab	GRAPHIC LOG m: Lith	FID PID (ppm)	BLOWS	RECOV.
	SILTY SAND - Medium brown; Silt to mediumsand; Mode: Very fine sand; Poorly sorted; Root fragments; Moist.	SM		BACKFILLED WITH NATIVE SOIL	NO GROUNDWATER ENCOUNTERED	X	X	N/A	6, 11, 12	1.2/1.5
	SILTY SAND - As above, less moist	SM				X	X	N/A	7, 9, 12	1.0/1.5
5	SAND - Gray brown; Medium to coarse; Moderate sorting; Subangular to subrounded; Minor gravel to 1/4"; Moist.	SW				X	X	N/A	6, 10, 22	1.2/1.5
10	SANDY SILT - Red brown; Silt to fine sand; Minor gravel to 1/2"; Poorly sorted; Damp.	SM				X	X	N/A	6, 10, 14	1.1/1.5
15	SILT - Dark brown; Minor sand and gravel; Very moist; Slightly plastic.	ML				X	X	N/A	4, 9, 20	1.3/1.5
20										
25										
30										
35										
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-9

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-24-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG m: Lithology	GRAPHIC LOG m: Well constr	GRAPHIC LOG m: Water Level	Lab	Lith	FID PID (ppm)	BLOWS	RECOV.
	NO LITHOLOGY SAMPLE RECOVERED			BACKFILLED WITH NATIVE SOIL	NO GROUNDWATER ENCOUNTERED	X	N/A	N/A	15, 30, 28	0.4/1.5
	SAND - Medium to dark brown; Very fine to fine; Moderate sorting; Minor gravel to 1/4"; Dry.	SP				X	X	N/A	13, 16, 24	0.9/1.5
5	SAND - Mediumbrown; Fine to coarse; Mode: medium; Poorly sorted; Subangular to sub-rounded; Minor gravel to 3/4"; Moist.	SW				X	X	N/A	13, 17, 15	1.3/1.5
10	SAND - Red brown; Silt to medium sand; Minor gravel to 1/4"; Moderately sorted; Moist.	SM				X	X	N/A	17, 12, 24	1.0/1.5
15	SILTY SAND - Dark brown; Silt to medium sand; Poorly sorted; Damp.	SP				X	X	N/A	15, 23, 37	1.4/1.5
20										
25										
30										
35										
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-10

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-24-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG m: Lithology	GRAPHIC LOG m: Well constr	GRAPHIC LOG m: Water Level	GRAPHIC LOG m: Lab	GRAPHIC LOG m: Lith	FID PID (ppm)	BLOWS	RECOV.
	SAND - Light brown; Very fine to fine; Minor gravel to 1/4"; Moderate sorting; Dry.	SW		BACKFILLED WITH NATIVE SOIL	NO GROUNDWATER ENCOUNTERED	X	X	N/A	22, 14, 24	1.4/1.5
	SAND - As above.	SW				X	X	N/A	13, 28, 30	1.4/1.5
5	SAND - As above	SW				X	X	N/A	8, 13, 24	1.2/1.5
10	SILTY SAND - Dark brown; Silt to medium sand; Minor gravel to 1"; Poorly sorted; Damp..	SM				X	X	N/A	12, 16, 36	1.2/1.5
15	SAND - Dark brown; Fine to medium sand; Poorly sorted; Minor gravel to 1"; Damp.	SW				X	X	N/A	11, 23, 36	1.4/1.5
20										
25										
30										
35										
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-11

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-25-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG: Lithology	GRAPHIC LOG: Well constr	GRAPHIC LOG: Water Level	Lab	Lith	FID PID (ppm)	BLOWS	RECOV.
	SAND - Olive brown; Fine to medium; Poorly sorted; Moist.	SW		BACKFILLED WITH NATIVE SOIL	NO GROUNDWATER ENCOUNTERED	X	X	N/A	8, 19, 20	1.0/1.5
	SAND - As above.	SW				X	X	18	7, 8, 10	1.3/1.5
5	SANDY SILT WTH GRAVEL - Olive brown; Silt to 1" Gravel; Mode: Silt; Very poorly sorted; Sub-angular to subrounded; Damp.	SM/ GP				X	X	210	8, 12, 19	1.2/1.5
10	SAND AND GRAVEL - Olive gray ; Medium sand to 1" gravel; Mode: Coarse sand; Poorly sorted; Subangular to subrounded; Moist.	SW/ GW				N/A	X	N/A	6, 9, 10	0.2/1.5
15	SANDY SILT - Olive brown; Silt to fine sand; Poorly sorted; Moist.	SM				X	X	110	11, 17, 29	1.1/1.5
20										
25										
30										
35										
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-12

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-25-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID ___ FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG: Lithology	GRAPHIC LOG: Well constr	GRAPHIC LOG: Water Level	Lab	Lith	FID PID (ppm)	BLOWS	RECOV.
0	SAND - Dark brown; Very fine to medium; Mode: fine sand; Moderate sorting; Subangular to sub-rounded; Moist.	SW		BACKFILLED WITH 5% BENTONITE CEMENT	NO GROUNDWATER ENCOUNTERED	X	X	60	16, 19, 28	1.2/1.5
	SAND - Gray brown, Fine to coarse; Mode: medium Poorly sorted; Subangular to subrounded; Moist.	SW				X	X	35	18, 20, 23	1.3/1.5
5	SAND - As above.	SW				X	X	45	6, 8, 17	1.4/1.5
10	SAND - Gray brown; Medium to Very coarse; Mode: coarse; Moderate sorting; Subangular to Sub-rounded; Minor gravel to 1/4"; Moist.	SW				X	X	60	12, 37, 74	0.8/1.5
15	SANDY SILT - Dark brown; Silt to fine sand; Poorly sorted; Moist.	SM				X	X	25	10, 14, 21	1.5/1.5
20										
25										
30										
35										
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-13

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-25-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG: Lithology	GRAPHIC LOG: Well constr	GRAPHIC LOG: Water Level	Lab	Lith	FID PID (ppm)	BLOWS	RECOV.
	SILTY SAND - Dark brown; Silt to medium sand; Mode: Fine sand; Poorly sorted; Moist.	SM		BACKFILLED WITH 5% BENTONITE CEMENT	NO GROUNDWATER ENCOUNTERED	X	X	12	13, 17, 19	1.5/1.5
	SAND WITH GRAVEL - Dark brown-black; Fine sand to 1.5" gravel; Mode:medium sand; Poorly Sorted; Subangular to subrounded; Moist.	SW				X	X	106	8, 11, 16	1.4/1.5
5	SILTY SAND - Olive brown; Silt to fine sand; Poorly sorted; Moist.	SM				X	X	102	6, 19, 23	0.8/1.5
10	SAND - Gray brown; Fine to coarse; Mode: Coarse; Moderate sorting; Subangular to Sub-rounded; Minor gravel to 1/2"; Moist.	SW				X	X	10	24, 32, 36	1.5/1.5
15	SILTY SAND - Olive brown; Silt to fine sand; Poorly sorted; Moist.	SM				X	X	110	12, 17, 28	1.4/1.5
20										
25										
30										
35										
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-14

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-25-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG: Lithology	GRAPHIC LOG: Well constr	GRAPHIC LOG: Water Level	Lab	Lith	FID PID (ppm)	BLOWS	RECOV.
	SILTY SAND - Dark brown; Silt to fine sand; Mode: Fine sand; Poorly sorted; Moist.	SM		BACKFILLED WITH 5% BENTONITE CEMENT	NO GROUNDWATER ENCOUNTERED	X	X	35	31, 23, 36	1.3/1.5
	SANDY SILT - Black with red discoloration; Silt to medium sand; Minor gravel to 1/2"; Poorly sorted; Moist; Glass, charcoal,pottery fragments.	SM				X	X	20	14, 15, 17	1.5/1.5
5	SILT AND SAND- Black to dark brown; Discolored; Silt to coarse sand; Poorly sorted; Subangular to subrounded; Moist.	SM/ SW				X	X	210	16, 23, 38	1.5/1.5
10	SAND AND GRAVEL - Gray brown, Medium sand to 1" gravel; Mode: Coarse sand; Poorly sorted; Angular to subrounded; Moist.	SW/ GW				X	X	50	18, 32, 40	1.2/1.5
15	NO SAMPLE RECOVERED.					N/A	N/A	N/A	19, 43, 50	0.0/1.5
20										
25										
30										
35										
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-15

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-25-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG: Lithology	GRAPHIC LOG: Well constr	GRAPHIC LOG: Water Level	Lab	Lith	FID PID (ppm)	BLOWS	RECOV.
	SILTY SAND - Dark brown; Silt to medium sand; Mode: Fine sand; Poorly sorted; Moist.	SM		BACKFILLED WITH NATIVE SOIL	NO GROUNDWATER ENCOUNTERED	X	X	150	8, 19, 21	1.2/1.5
	SILTY SAND - As above	SM				X	X	20	10, 11, 14	1.5/1.5
5	NO LITHOLOGY SAMPLE RECOVERED.					X	N/A	N/A	12, 24, 38	0.4/1.5
10	SAND AND SILT - Brown; Silt to coarse sand; Minor gravel to 1/2"; Poorly sorted;Moist	SM/ SW				X	N/A	0	8, 13, 17	1.5/1.5
15	SANDY SILT - Medium to dark brown; Silt to fine sand; Mode: Silt; Poorly sorted; Moist.	SM				X	X	19	12, 19, 24	1.0/1.5
20										
25										
30										
35										
40										

CAMP DRESSER & McKEE Inc.

Soil Boring Log

Client DOA Site ONTARIO AIRPORT Job No. 2232-110-LX-AUDT Soil Bore/ Well No B-16

Drill Contractor BEYLIK DRILLING Drilling Method HOLLOW STEM AUGER Date Drilled 9-25-90

Piez/Casing Size & Type N/A Screened Length/Interval N/A Total Depth 16'

Field Geologist/Technician THOMAS LAE PID FID X Casing Elevation N/A Water Table Depth N/A

DEPTH (feet)	DESCRIPTION	USCS	GRAPHIC LOG: Lithology	GRAPHIC LOG: Well constr	GRAPHIC LOG: Water Level	Lab	Lith	FID PID (ppm)	BLOWS	RECOV.
	SILTY SAND - Dark brown; Silt to fine sand; Mode: Fine sand; Poorly sorted; Moist.	SM		BACKFILLED WITH 5% BENTONITE CEMENT	NO GROUNDWATER ENCOUNTERED	X	X	75	10, 19, 37	1.2/1.5
	SAND - Grayish brown; Fine to medium; Moderate sorting; Subangular to subrounded; Moist.	SP				X	X	35	17, 18, 27	1.0/1.5
5	SAND - Gray brown; Fine to coarse; Mode: Medium Moderate sorting; Subangular to subrounded; Moist.	SP				X	X	225	21, 46, 100	1.2/1.5
10	SAND - Olive brown; Fine to medium; Minor coarse sand; Mode; Fine sand; Moderate sorting; Subangular to subrounded; Moist.	SW				X	N/A	20	13, 18, 23	1.5/1.5
15	SAND - As above.	SW				X	X	60	14, 29, 31	1.2/1.5
20										
25										
30										
35										
40										

Appendix B

CHAIN-OF-CUSTODY RECORD

Client: CDM/DOA			Date: 9-25-90																		TTL Project #: 1107-14		
Project Name: ONTARIO AUDIT			Client Project #: 2232-110-LX-AUDT																		Page 1 of 9		
Project Address: ONTARIO AIRPORT			Turn Around Requested: ☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Mobile Lab Normal																		Lab Use Only. Sample Condition as received: Chilled (yes) / no Sealed (yes) / no		
Sampler's Signature: Thomas A. Lee																							
Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S), Sludge(SL), Aqueous(A)	Analysis Requested: Total Petroleum Hydrocarbons as Gasoline, LUFT Manual (P&T)	TPH as Diesel Fuel, LUFT Manual	TPH as Gasoline, Extractable	TPH by EPA Method 418.1	BTEX by EPA Method 8020	8010	8015M(cc)	8080 w/ PCBs.	Number of Containers	Container / Comments								
B-1-0.0	SITE 3	9-24-90	7:50	✓	S				X	X		X		1	2"x6" BRASS SLEEVE								
B-1-2.5	"	"	8:00		S									1	Note: Please separate asphalt chips from aliquot.								
B-1-5.0	"	"	8:05		S									1	"								
B-1-10.0	"	"	8:10	✓	S				X	X		X		1	"								
B-2-0.0	"	"	8:47 ~~8:17~~	✓	S				X	X	X			1	"								
B-2-2.5	"	"	8:50	✓	S				X	X	X			1	"								
B-2-5.0	"	"	8:53		S									1	"								
B-2-10.0	"	"	9:00		S									1	"								
B-2-15.0	"	"	9:05		S									1	"								
B-3-0.0	"	"	10:00	✓	S				X	X	X			1	"								

① Relinquished by: (Signature) Thomas A. Lee	Date 9-26-90	② Received by: (Signature)	Date	10	Total Number of Containers																		
Company: CDM	Time 12:36	Company:	Time																				
③ Relinquished by: (Signature)	Date	④ Received by Laboratory: (Signature) Ruth Willson	Date 9-26-90																				
Company:	Time	Company: TTL	Time 1236																				

TERRA TECH LABS, INC.
ENVIRONMENTAL TESTING
16371 Gothard Street, Suite G
Huntington Beach, CA 92647
Tel. (714) 842-6077

CHAIN-OF-CUSTODY RECORD

Client: CDM / DOA	Date: 9-25-90
Project Name: ONTARIO AUDIT	Client Project #: 2232-110-LX-AUDT
Project Address: ONTARIO AIRPORT	Turn Around Requested: ☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Mobile Lab — Normal
Sampler's Signature: Thomas A. Lee	

Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S), Sludge(SL), Aqueous(A)	Analysis Requested: Total Petroleum Hydrocarbons as Gasoline, LUFT Manual (P&T)	TPH as Diesel Fuel, LUFT Manual	TPH as Gasoline, Extractable	TPH by EPA Method 418.1	BTEX by EPA Method 8020	BOIO	BOIS M	8080 w/ PCB's	Number of Containers	Container / Comments
B-3-2.5	SITE 3	9-24-90	10:05	✓	S				X	X	X			1	2" x 6" Brass Sleeve
B-3-5.0	"	"	10:10		S									1	"
B-3-10.0	"	"	10:15		S									1	"
B-3-15.0	"	"	10:18		S									1	"
B-4-0.0	"	"	10:50	✓	S				X	X	X			1	"
B-4-2.5	"	"	10:55	✓	S				X	X	X			1	"
B-4-5.0	"	"	11:02		S									1	"
B-4-15.0	"	"	11:13		S									1	"
B-5-0.0	"	"	11:40	✓	S				X				X	1	"
B-5-2.5	"	"	11:43	✓	S				X				X	1	"

TTL Project #: 1107-14

Page 2 of 9

Lab Use Only.
Sample Condition as received:
Chilled (yes) / no
Sealed (yes) / no

① Relinquished by: (Signature) Thomas A. Lee	Date: 9-26-90	② Received by: (Signature)	Date
Company: CDM	Time: 12:36	Company:	Time
③ Relinquished by: (Signature)	Date	④ Received by Laboratory: (Signature) Ruth Wallson	Date: 9-26-90
Company:	Time	Company: TTL	Time: 12:36

10 Total Number of Containers

TERRA TECH LABS, INC.
ENVIRONMENTAL TESTING
16371 Gothard Street, Suite G
Huntington Beach, CA 92647
Tel. (714) 842-6077

CHAIN-OF-CUSTODY RECORD

Client: CDM / DOA		Date: 9-25-90				Analysis Requested											TTL Project #: 1107-14		
Project Name: ONTARIO AUDIT		Client Project #: 2232-110-LX-AUDT															Page 3 of 9		
Project Address: ONTARIO AIRPORT		Turn Around Requested: ☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Mobile Lab Normal															Lab Use Only. Sample Condition as received: Chilled (yes) / no Sealed (yes) / no		
Sampler's Signature: Thomas A. Lee																			
Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S), Sludge(SL), Aqueous(A)	Total Petroleum Hydrocarbons as Gasoline, LUFT Manual (P&T)	TPH as Diesel Fuel, LUFT Manual	TPH as Gasoline, Extractable	TPH by EPA Method 418.1	BTEX by EPA Method 8020	8010	8015M		Number of Containers	Container / Comments				
B-5-5.0	SITE 3	9-24-90	11:46		S									1	2"x6" BRASS SLEEVE				
B-5-10.0	SITE 3	"	11:51		S									1	"				
B-5-15.0	"	"	11:57		S									1	"				
B-6-0.0	SITE 1	"	13:00	✓	S				X	X	X	X		1	"				
B-6-2.5	"	"	13:05		S									1	"				
B-6-5.0	"	"	13:07		S									1	"				
B-6-10.0	"	"	13:13	✓	S				X	X	X	X		1	"				
B-7-0.0	"	"	13:42	✓	S				X	X	X	X		1	"				
B-7-2.5	"	"	13:45		S									1	"				
B-7-5.0	"	"	13:50		S									1	"				

① Relinquished by: (Signature) Thomas A. Lee	Date 9-26-90	② Received by: (Signature)	Date	10 Total Number of Containers
Company: CDM	Time 12:36	Company:	Time	
③ Relinquished by: (Signature)	Date	④ Received by Laboratory: (Signature) Ruth Wilson	Date 9-26-90	TERRA TECH LABS, INC. ENVIRONMENTAL TESTING 16371 Gothard Street, Suite G Hunitington Beach, CA 92647 Tel. (714) 842-6077
Company:	Time	Company: TTL	Time 1256	

CHAIN-OF-CUSTODY RECORD

Client: CDM / DOA
Date: 9-25-90
Project Name: ONTARIO AUDIT
Client Project #: 2232-110-LX-AUDT
Project Address: ONTARIO AIRPORT
Turn Around Requested: ☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Mobile Lab — Normal
Sampler's Signature: Thomas A. Lee
TTL Project #: 1107-14
Page 4 of 9
Lab Use Only. Sample Condition as received: Chilled (yes) / no Sealed (yes) / no

Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S), Sludge(SL), Aqueous(A)	Total Petroleum Hydrocarbons as Gasoline, LUFT Manual (P&T)	TPH as Diesel Fuel, LUFT Manual	TPH as Gasoline, Extractable	TPH by EPA Method 418.1	BTEX by EPA Method 8020	8010	8015M	Number of Containers	Container / Comments
B-7-10.0	SITE 1	9-24-90	13:53		S				X	X	X	X	1	2"x 6" BRASS SLEEVE
B-7-15.0	"	"	14:00	✓	S				X	X	X	X	1	"
B-8-0.0	SITE 2	"	14:23	✓	S				X	X	X	X	1	"
B-8-2.5	"	"	14:26	✓	S				X	X	X	X	1	"
B-8-5.0	"	"	14:30		S				X	X	X	X	1	"
B-8-10.0	"	"	14:33		S				X	X	X	X	1	"
B-8-15.0	"	"	14:39		S				X	X	X	X	1	"
B-9-0.0	"	"	15:05	✓	S				X	X	X	X	1	"
B-9-2.5	"	"	15:08		S				X	X	X	X	1	"
B-9-5.0	"	"	15:12		S				X	X	X	X	1	"

① Relinquished by: (Signature) Thomas A. Lee	Date 9-26-90	② Received by: (Signature)	Date	10 Total Number of Containers
Company: CDM	Time 12:36	Company:	Time	
③ Relinquished by: (Signature)	Date	④ Received by Laboratory: (Signature) Ruth Wilson	Date 9-26-90	
Company:	Time	Company: TTL	Time 1230	

TERRA TECH LABS, INC.
ENVIRONMENTAL TESTING
16371 Gothard Street, Suite G
Hunitington Beach, CA 92647
Tel. (714) 842-6077

CHAIN-OF-CUSTODY RECORD

Client	Date					Analysis Requested										TTL Project #
CDM/DOA	9-25-90															1107-14
Project Name	Client Project #															Page 5 of 9
ONTARIO AUDIT	2232-110-2X-AUDT															
Project Address	Turn Around Requested:															Lab Use Only.
ONTARIO AIRPORT	☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Mobile Lab															Sample Condition as received:
Sampler's Signature	Normal															Chilled (yes) no Sealed (yes) no
Thomas A. Lee																
Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S), Sludge(SL), Aqueous(A)	Total Petroleum Hydrocarbons as Gasoline, LUFT Manual (P&T)	TPH as Diesel Fuel, LUFT Manual	TPH as Gasoline, Extractable	TPH by EPA Method 418.1	BTEX by EPA Method 8020	8010	8015M			Number of Containers	Container / Comments
B-9-10.0	SITE 2	9-24-90	15:16		S				X	X	X	X			1	2"x6" BRASS SLEEVE
B-9-15.0	"	"	15:22	✓	S				X	X	X	X			1	"
B-10-0.0	"	"	15:58	✓	S				X	X	X	X			1	"
B-10-2.5	"	"	16:02	✓	S				X	X	X	X			1	"
B-10-5.0	"	"	16:05		S				X	X	X	X			1	"
B-10-10.0	"	"	16:10		S				X	X	X	X			1	"
B-10-15.0	"	"	16:15		S				X	X	X	X			1	"
B-11-0.0	SITE 4	9-25-90	11:53		S				X	X	X	X			1	"
B-11-2.5	"	"	12:02	✓	S				X	X	X	X			1	"
B-11-5.0	"	"	12:05	✓	S				X	X	X	X			1	"

① Relinquished by: (Signature)	Date	② Received by: (Signature)	Date		
Thomas A. Lee	9-26-90			10	Total Number of Containers
Company: CDM	Time 12:36	Company:	Time		
③ Relinquished by: (Signature)	Date	④ Received by Laboratory: (Signature) Ruth Williams	Date 9-26-90	TERRA TECH LABS, INC. ENVIRONMENTAL TESTING 16371 Gothard Street, Suite G Huntington Beach, CA 92647 Tel. (714) 842-6077	
Company:	Time	Company: TTL	Time 1756		

CHAIN-OF-CUSTODY RECORD

Client	Date	Analysis Requested											TTL Project #
CDM / DOA	9-25-90												1107-14
Project Name	Client Project #												Page 6 of 9
ONTARIO AUDIT	2232-110-LX-AUDT												
Project Address	Turn Around Requested:												Lab Use Only.
ONTARIO AIRPORT	☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Mobile Lab												Sample Condition as received: Chilled (yes) / no Sealed (yes) / no
Sampler's Signature	Normal												
Thomas C. Fee													

Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S), Sludge(SL), Aqueous(A)	Total Petroleum Hydrocarbons as Gasoline, LUFT Manual (P&T)	TPH as Diesel Fuel, LUFT Manual	TPH as Gasoline, Extractable	TPH by EPA Method 418.1	BTEX by EPA Method 8020	8010	8015M	8080 w/ PCBs	Number of Containers	Container / Comments
B-11-15.0	SITE 4	9-25-90	12:15	✓	S				X	X	X	X		1	2"x6" BRASS SLEEVES
B-12-0.0	"	"	12:28	✓	S				X	X	X	X		1	"
B-12-2.5	"	"	12:32	✓	S				X	X	X	X		1	"
B-12-5.0	"	"	12:34		S				X	X	X	X		1	"
B-12-10.0	"	"	12:36	✓	S				X	X	X	X		1	"
B-12-15.0	"	"	12:47	✓	S				X	X	X	X		1	"
B-13-0.0	"	"	13:17		S				X	X	X	X		1	"
B-13-2.5	"	"	13:23	✓	S				X	X	X	X	X	1	"
B-13-5.0	"	"	13:30	✓	S				X	X	X	X		1	"
B-13-10.0	"	"	13:35		S				X	X	X	X		1	"

① Relinquished by: (Signature) Thomas C. Fee	Date 9-26-90	② Received by: (Signature)	Date	10 Total Number of Containers
Company: CDM	Time 12:36	Company:	Time	
③ Relinquished by: (Signature)	Date	④ Received by Laboratory: (Signature) Ruth Wilson	Date 9-26-90	
Company:	Time	Company: TTL	Time 1236	

TERRA TECH LABS, INC.
ENVIRONMENTAL TESTING
16371 Gothard Street, Suite G
Hunitington Beach, CA 92647
Tel. (714) 842-6077

CHAIN-OF-CUSTODY RECORD

Client	Date			Analysis Requested										TTL Project #
CDM/DOA	9-25-90													1107-14
Project Name	Client Project #													Page 7 of 9
ONTARIO AUDIT	2232-110-LX-AUDT													
Project Address	Turn Around Requested:													Lab Use Only.
ONTARIO AIRPORT	☐ Immediate Attention													Sample Condition as received:
	☐ Rush 24-48 Hours													Chilled (yes) / no
	☐ Rush 72-96 Hours													Sealed (yes) / no
Sampler's Signature	☐ Mobile Lab Normal													
Thomas A. Lee														

Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S), Sludge(SL), Aqueous(A)	Total Petroleum Hydrocarbons as Gasoline, LUFT Manual (P&T)	TPH as Diesel Fuel, LUFT Manual	TPH as Gasoline, Extractable	TPH by EPA Method 418.1	BTEX by EPA Method 8020	8010	8015M	CAM 17 metals TTLC	Number of Containers	Container / Comments
B-13-15.0	SITE 4	9-25-90	13:42	✓	S				X	X	X	X		1	2" x 6" BRASS SLEEVE
B-14-0.0	"	"	14:04		S				X	X	X	X		1	"
B-14-2.5	"	"	14:09	✓	S				X	X	X	X	X	1	"
B-14-5.0	"	"	14:12	✓	S				X	X	X	X	X	1	"
B-14-10.0	"	"	14:17	✓	S				X	X	X	X		1	"
B-15-0.0	"	"	14:48 ~~14:25~~	✓	S				X	X	X	X		1	"
B-15-2.5	"	"	14:50		S				X	X	X	X		1	"
B-15-5.0	"	"	14:54		S				X	X	X	X		1	"
B-15-10.0	"	"	15:00		S				X	X	X	X		1	"
B-15-15.0	"	"	15:10		S				X	X	X	X		1	"

① Relinquished by: (Signature) Thomas A. Lee	Date 9-26-90	② Received by: (Signature)	Date	10	Total Number of Containers
Company: CDM	Time 12:36	Company:	Time		
③ Relinquished by: (Signature)	Date	④ Received by Laboratory: (Signature) Ruth Dellson	Date 9-26-90		
Company:	Time	Company: TTL	Time 1236		

TERRA TECH LABS, INC.
ENVIRONMENTAL TESTING
16371 Gothard Street, Suite G
Hunitington Beach, CA 92647
Tel. (714) 842-6077

CHAIN-OF-CUSTODY RECORD

Client	Date	Laboratory Sample Number	Sample Matrix: Soil(S), Sludge(SL), Aqueous(A)	Analysis Requested: Total Petroleum Hydrocarbons as Gasoline, LUFT Manual (P&T)	Analysis Requested: TPH as Diesel Fuel, LUFT Manual	Analysis Requested: TPH as Gasoline, Extractable	Analysis Requested: TPH by EPA Method 418.1	Analysis Requested: BTEX by EPA Method 8020	Analysis Requested: 8010	Analysis Requested: 8015M	Analysis Requested: EDB/DBCP	Number of Containers	Container / Comments
CDM/DOA	9-25-90												
Project Name: ONTARIO AUDIT	Client Project #: 2232-110-4X-AUDIT												
Project Address: ONTARIO AIRPORT	Turn Around Requested: ☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Mobile Lab Normal												
Sampler's Signature: Thomas A. Fee													

Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix	Container / Comments
B-16-0.0	SITE 4	9-25-90	15:29	✓	S	2" x 6" BRASS SLEEVE
B-16-2.5	"	"	15:32		S	"
B-16-5.0	"	"	15:42	✓	S	"
B-16-10.0	"	"	15:48		S	"
B-16-15.0	"	"	15:53	✓	S	"
CLAR-S1		9-25-90	12:00			
CLAR-S2		"	12:00			

① Relinquished by: (Signature) Thomas A. Fee	Date 9-26-90	② Received by: (Signature)	Date	5	Total Number of Containers
Company: CDM	Time 12:36	Company:	Time		
③ Relinquished by: (Signature)	Date	④ Received by Laboratory: (Signature) Ruth Willson	Date 9-26-90		
Company:	Time	Company: TTL	Time 1236		

TTL Project # 1107-14

Page 8 of 9

Lab Use Only.
Sample Condition as received:
Chilled (yes) / no
Sealed (yes) / no

TERRA TECH LABS, INC.
ENVIRONMENTAL TESTING
16371 Gothard Street, Suite G
Hunitington Beach, CA 92647
Tel. (714) 842-6077

CHAIN-OF-CUSTODY RECORD

Client: CDM/DOA		Date: 9-25-90		Laboratory Sample Number	Sample Matrix: Soil(S), Sludge(SL), Aqueous(A)	Analysis Requested: Total Petroleum Hydrocarbons as Gasoline, LUFT Manual (P&T)	TPH as Diesel Fuel, LUFT Manual	TPH as Gasoline, Extractable	TPH by EPA Method 418.1	BTEX by EPA Method 8020	pre-disposal Package 601/602	8015 modified	413.2 / 1664	Number of Containers	TTL Project #: 1107-14				
Project Name: ONTARIO AUDIT		Client Project #: 2232-110-LX-AUDT													Page 9 of 9				
Project Address: ONTARIO AIRPORT		Turn Around Requested: ☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Mobile Lab Normal													Lab Use Only. Sample Condition as received: Chilled (yes) / no Sealed (yes) / no				
Sampler's Signature: Thomas A. Fee																			
Sample ID	Sample Location	Date	Time												Container / Comments				
CLAR-S1	SITE 4	9-25-90	12:00		A						X	X	X	11	2 QT Jars, 9 VIALS				
CLAR-S2	"	"	12:00		A						X	X	X	11	" "				
															composite sample -				
① Relinquished by: (Signature) Thomas A. Fee		Date: 9-26-90		② Received by: (Signature)										Date	22	Total Number of Containers			
Company: CDM		Time: 12:36		Company:										Time					
③ Relinquished by: (Signature)		Date		④ Received by Laboratory: (Signature) Ruth Willson										Date: 9-26-90	TERRA TECH LABS, INC. ENVIRONMENTAL TESTING 16371 Gothard Street, Suite G Hunitington Beach, CA 92647 Tel. (714) 842-6077				
Company:		Time		Company: TTL										Time: 1236					

Appendix C

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

16371 Gothard Street
Suite G
Huntington Beach
California
92647
Tel 714.842.6077
Fax 714.842.1891

LABORATORY REPORT

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650 Irvine, CA 92715	Lab P.N.:	1107 - 14
		Client P.N.:	2232-110-LX-AUDT
Contact:	Thomas Lae		
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Received:	9/26/90
		Date Analyzed:	10/1/90-10/11/90
		Physical State:	Solid

Quality Assurance/Quality Control Summary

Parameter (Method)	QC Type	Percent Recovery	Acceptable Range	Relative Percent Difference	Acceptable Range
Benzene (EPA 8020)	M	65	39-150	0	0-25
Toluene (EPA 8020)	M	89	46-148	6	0-25
Ethylbenzene (EPA 8020)	M	96	32-160	0	0-25
Xylenes, Total (EPA 8020)	M	102	46-148	0	0-25
TPH, Recoverable (EPA 418.1)	M	105	70-125	2	0-20
Chlorobenzene	M	66	38-150	6	0-50
Cis-1,3-Dichloropropene	M	102	22-178	0	0-50
Trans-1,2-Dichloroethene	M	116	38-155	6	0-50

M = Matrix Spike / Spike Duplicate

L = Laboratory Control Sample Spike / Spike Duplicate

Ruth Wilson
Reviewed

Approved

The samples were received by TERRA TECH LABS, Inc. in a chilled state, intact and accompanied by the Chain-of-Custody Record.
Acceptance of samples by Terra Tech Labs, Inc. is not an indication of condition upon receipt.
Laboratory Results apply only to the sample matrix analyzed and may not apply to an apparently identical or similar sample.
The Laboratory Report is the property of the client to whom it is addressed.
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY REPORT

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650 Irvine, CA 92715	Lab P.N.:	1107 - 14
		Client P.N.:	2232-110-LX-AUDT
Contact:	Thomas Lae		
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Received:	9/26/90
		Date Analyzed:	10/1/90-10/11/90
		Physical State:	Solid

Quality Assurance/Quality Control Summary

Parameter (Method)	QC Type	Percent Recovery	Acceptable Range	Relative Percent Difference	Acceptable Range
Benzene (EPA 8020)	M	72	39-150	7	0-25
Toluene (EPA 8020)	M	93	46-148	9	0-25
Ethylbenzene (EPA 8020)	M	107	32-160	8	0-25
Xylenes, Total (EPA 8020)	M	114	46-148	8	0-25
TPH, Recoverable (EPA 418.1)	M	104	70-125	1	0-20
Chlorobenzene	M	85	38-150	6	0-50
Cis-1,3-Dichloropropene	M	84	22-178	6	0-50
Trans-1,2-Dichloroethene	M	112	38-155	4	0-50

M = Matrix Spike / Spike Duplicate

L = Laboratory Control Sample Spike / Spike Duplicate

The samples were received by TERRA TECH LABS, Inc. in a chilled state, intact and accompanied by the Chain-of-Custody Record.
Acceptance of samples by Terra Tech Labs, Inc. is not an indication of condition upon receipt.
Laboratory Results apply only to the sample matrix analyzed and may not apply to an apparently identical or similar sample.
The Laboratory Report is the property of the client to whom it is addressed.
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client: Camp, Dresser & McKee
Client Address: 18881 Von Karmen, ste 650
Irvine, CA 92715

Report Date: 10/11/90
Lab P.N.: 1107 - 14
Client P.N.: 2232-110-LX-AUDT

Project Name: Ontario Audit
Project Address: Ontario Airport

Date Sampled: 9/24/90-9/25/90
Date Analyzed: 10/1/90-10/11/90
Physical State: Solid

Sample ID	Benzene EPA 8020 mg/kg	Toluene EPA 8020 mg/kg	Ethylbenzene EPA 8020 mg/kg	Xylenes, Total EPA 8020 mg/kg	TPH, Recoverable EPA 418.1 mg/kg
B-1-0.0	ND	0.005	ND	ND	1200
B-1-10.0	ND	ND	ND	ND	16
B-2-0.0	ND	0.013	ND	ND	ND
B-2-2.5	ND	ND	ND	ND	19
B-3-0.0	ND	0.038	ND	ND	100
B-3-2.5	ND	0.038	ND	ND	ND
B-4-0.0	ND	0.016	ND	ND	ND
B-4-2.5	ND	0.21	ND	ND	25000
B-5-0.0	-	-	-	-	2500
B-5-2.5	-	-	-	-	18
B-6-0.0	ND	0.017	ND	ND	ND
B-6-10.0	ND	0.0071	ND	ND	180
B-7-0.0	ND	0.52	ND	ND	630
B-7-15.0	ND	0.13	ND	ND	520
B-8-0.0	ND	0.19	ND	ND	410
B-8-2.5	ND	0.016	ND	ND	54
B-9-0.0	ND	ND	ND	ND	5100
B-9-15.0	ND	0.024	ND	ND	68
B-10-0.0	ND	ND	ND	ND	140
B-10-2.5	ND	0.0081	ND	ND	400
B-11-2.5	ND	ND	ND	ND	ND
B-11-5.0	ND	ND	ND	ND	19
B-11-15.0	ND	ND	ND	ND	35
Detection Limit, mg/kg	0.005	0.005	0.005	0.005	1.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client: Camp, Dresser & McKee
Client Address: 18881 Von Karmen, ste 650
Irvine, CA 92715

Report Date: 10/11/90
Lab P.N.: 1107 - 14
Client P.N.: 2232-110-LX-AUDT

Project Name: Ontario Audit
Project Address: Ontario Airport

Date Sampled: 9/24/90-9/25/90
Date Analyzed: 10/1/90-10/11/90
Physical State: Solid

Sample ID	Benzene EPA 8020 mg/kg	Toluene EPA 8020 mg/kg	Ethylbenzene EPA 8020 mg/kg	Xylenes, Total EPA 8020 mg/kg	TPH, Recoverable EPA 418.1 mg/kg
B-12-0.0	ND	ND	ND	ND	210
B-12-2.5	ND	ND	ND	ND	ND
B-12-10.0	ND	ND	ND	ND	160
B-12-15.0	ND	ND	ND	ND	17
B-13-2.5	ND	0.013	ND	ND	ND
B-13-5.0	ND	0.011	ND	ND	130
B-13-15.0	ND	0.075	ND	ND	ND
B-14-2.5	ND	0.11	ND	ND	20
B-14-5.0	ND	0.011	ND	ND	180
B-14-10.0	ND	0.029	ND	ND	ND
B-15-0.0	ND	0.069	ND	ND	56
B-16-0.0	ND	0.018	ND	ND	250
B-16-5.0	ND	0.038	ND	ND	930
B-16-15.0	ND	0.0082	ND	ND	18
Detection Limit, mg/kg	0.005	0.005	0.005	0.005	1.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client: Camp, Dresser & McKee
Client Address: 18881 Von Karmen, ste 650
Irvine, CA 92715

Report Date: 10/11/90
Lab P.N.: 1107 - 14
Client P.N.: 2232-110-LX-AUDT

Project Name: Ontario Audit
Project Address: Ontario Airport

Date Sampled: 9/24/90-9/25/90
Date Analyzed: 10/1/90-10/11/90
Physical State: Solid

EPA 8010

Sample ID	B-2-0.0	B-2-2.5	B-3-0.0	
Parameters	Conc. (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	Detection Limts (µg/kg)
Chloromethane	ND	ND	ND	5.0
Vinylchloride	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	5.0
Chloroethane	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	5.0
Methylene Chloride	ND	ND	ND	25
Trans-1,2-Dichloroethene	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	5.0
Chloroform	ND	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	ND	5.0
Carbon Tetrachloride	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	5.0
Cis-1,3-Dichloropropene	ND	ND	ND	5.0
Trans-1,3-Dichloropropene	ND	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	5.0
Dibromochloromethane	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	5.0
Bromoform	ND	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	5.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650	Lab P.N.:	1107 - 14
	Irvine, CA 92715	Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90-10/11/90
		Physical State:	Solid

EPA 8010

Sample ID	B-3-2.5	B-4-0.0	B-4-2.5	
Parameters	Conc. (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	Detection Limts (µg/kg)
Chloromethane	ND	ND	ND	5.0
Vinylchloride	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	5.0
Chloroethane	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	5.0
Methylene Chloride	ND	ND	ND	25
Trans-1,2-Dichloroethene	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	5.0
Chloroform	ND	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	ND	5.0
Carbon Tetrachloride	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	5.0
Cis-1,3-Dichloropropene	ND	ND	ND	5.0
Trans-1,3-Dichloropropene	ND	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	5.0
Dibromochloromethane	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	5.0
Bromoform	ND	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	5.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650 Irvine, CA 92715	Lab P.N.:	1107 - 14
		Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90-10/11/90
		Physical State:	Solid

EPA 8010

Sample ID	B-6-0.0	B-6-10.0	B-7-0.0	
Parameters	Conc. (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	Detection Limts (µg/kg)
Chloromethane	ND	ND	ND	5.0
Vinylchloride	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	5.0
Chloroethane	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	5.0
Methylene Chloride	ND	ND	ND	25
Trans-1,2-Dichloroethene	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	5.0
Chloroform	ND	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	ND	5.0
Carbon Tetrachloride	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	5.0
Cis-1,3-Dichloropropene	ND	ND	ND	5.0
Trans-1,3-Dichloropropene	ND	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	5.0
Dibromochloromethane	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	5.0
Bromoform	ND	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	5.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client: Camp, Dresser & McKee
Client Address: 18881 Von Karmen, ste 650
Irvine, CA 92715

Report Date: 10/11/90
Lab P.N.: 1107 - 14
Client P.N.: 2232-110-LX-AUDT

Project Name: Ontario Audit
Project Address: Ontario Airport

Date Sampled: 9/24/90-9/25/90
Date Analyzed: 10/1/90-10/11/90
Physical State: Solid

EPA 8010

Sample ID	B-7-15.0	B-8-0.0	B-8-2.5	
Parameters	Conc. (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	Detection Limts (µg/kg)
Chloromethane	ND	ND	ND	5.0
Vinylchloride	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	5.0
Chloroethane	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	5.0
Methylene Chloride	ND	ND	ND	25
Trans-1,2-Dichloroethene	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	5.0
Chloroform	ND	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	ND	5.0
Carbon Tetrachloride	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	5.0
Cis-1,3-Dichloropropene	ND	ND	ND	5.0
Trans-1,3-Dichloropropene	ND	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	5.0
Dibromochloromethane	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	5.0
Bromoform	ND	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	5.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client: Camp, Dresser & McKee
Client Address: 18881 Von Karmen, ste 650
Irvine, CA 92715

Report Date: 10/11/90
Lab P.N.: 1107 - 14
Client P.N.: 2232-110-LX-AUDT

Project Name: Ontario Audit
Project Address: Ontario Airport

Date Sampled: 9/24/90-9/25/90
Date Analyzed: 10/1/90-10/11/90
Physical State: Solid

EPA 8010

Sample ID	B-9-0.0	B-9-15.0	B-10-0.0	
Parameters	Conc. (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	Detection Limts (µg/kg)
Chloromethane	ND	ND	ND	5.0
Vinylchloride	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	5.0
Chloroethane	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	5.0
Methylene Chloride	ND	ND	ND	25
Trans-1,2-Dichloroethene	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	5.0
Chloroform	ND	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	ND	5.0
Carbon Tetrachloride	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	5.0
Cis-1,3-Dichloropropene	ND	ND	ND	5.0
Trans-1,3-Dichloropropene	ND	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	5.0
Dibromochloromethane	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	5.0
Bromoform	ND	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	5.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client: Camp, Dresser & McKee
Client Address: 18881 Von Karmen, ste 650
Irvine, CA 92715

Report Date: 10/11/90
Lab P.N.: 1107 - 14
Client P.N.: 2232-110-LX-AUDT

Project Name: Ontario Audit
Project Address: Ontario Airport

Date Sampled: 9/24/90-9/25/90
Date Analyzed: 10/1/90-10/11/90
Physical State: Solid

EPA 8010

Sample ID	B-10-2.5	B-11-2.5	B-11-5.0	
Parameters	Conc. (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	Detection Limts (µg/kg)
Chloromethane	ND	ND	ND	5.0
Vinylchloride	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	5.0
Chloroethane	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	5.0
Methylene Chloride	ND	ND	ND	25
Trans-1,2-Dichloroethene	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	5.0
Chloroform	ND	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	ND	5.0
Carbon Tetrachloride	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	5.0
Cis-1,3-Dichloropropene	ND	ND	ND	5.0
Trans-1,3-Dichloropropene	ND	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	5.0
Dibromochloromethane	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	5.0
Bromoform	ND	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	5.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client: Camp, Dresser & McKee
Client Address: 18881 Von Karmen, ste 650
Irvine, CA 92715

Report Date: 10/11/90
Lab P.N.: 1107 - 14
Client P.N.: 2232-110-LX-AUDT

Project Name: Ontario Audit
Project Address: Ontario Airport

Date Sampled: 9/24/90-9/25/90
Date Analyzed: 10/1/90-10/11/90
Physical State: Solid

EPA 8010

Sample ID	B-11-15.0	B-12-0.0	B-12-2.5	
Parameters	Conc. (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	Detection Limits (µg/kg)
Chloromethane	ND	ND	ND	5.0
Vinylchloride	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	5.0
Chloroethane	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	5.0
Methylene Chloride	ND	ND	ND	25
Trans-1,2-Dichloroethene	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	5.0
Chloroform	ND	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	ND	5.0
Carbon Tetrachloride	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	5.0
Cis-1,3-Dichloropropene	ND	ND	ND	5.0
Trans-1,3-Dichloropropene	ND	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	5.0
Dibromochloromethane	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	5.0
Bromoform	ND	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	5.0

ND; Not Detectable
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TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client: Camp, Dresser & McKee
Client Address: 18881 Von Karmen, ste 650
Irvine, CA 92715

Report Date: 10/11/90
Lab P.N.: 1107 - 14
Client P.N.: 2232-110-LX-AUDT

Project Name: Ontario Audit
Project Address: Ontario Airport

Date Sampled: 9/24/90-9/25/90
Date Analyzed: 10/1/90-10/41190
Physical State: Solid

EPA 8010

Sample ID	B-12-10.0	B-12-15.0	B-13-2.5	
Parameters	Conc. (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	Detection Limts (µg/kg)
Chloromethane	ND	ND	ND	5.0
Vinylchloride	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	5.0
Chloroethane	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	5.0
Methylene Chloride	ND	ND	ND	25
Trans-1,2-Dichloroethene	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	5.0
Chloroform	ND	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	ND	5.0
Carbon Tetrachloride	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	5.0
Cis-1,3-Dichloropropene	ND	ND	ND	5.0
Trans-1,3-Dichloropropene	ND	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	5.0
Dibromochloromethane	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	5.0
Bromoform	ND	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	5.0

ND; Not Detectable
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TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client: Camp, Dresser & McKee
Client Address: 18881 Von Karmen, ste 650
Irvine, CA 92715

Report Date: 10/11/90
Lab P.N.: 1107 - 14
Client P.N.: 2232-110-LX-AUDT

Project Name: Ontario Audit
Project Address: Ontario Airport

Date Sampled: 9/24/90-9/25/90
Date Analyzed: 10/1/90-10/11/90
Physical State: Solid

EPA 8010

Sample ID	B-13-5.0	B-13-15.0	B-14-2.5	
Parameters	Conc. (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	Detection Limts (µg/kg)
Chloromethane	ND	ND	ND	5.0
Vinylchloride	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	5.0
Chloroethane	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	5.0
Methylene Chloride	ND	ND	ND	25
Trans-1,2-Dichloroethene	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	5.0
Chloroform	ND	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	ND	5.0
Carbon Tetrachloride	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	5.0
Cis-1,3-Dichloropropene	ND	ND	ND	5.0
Trans-1,3-Dichloropropene	ND	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	5.0
Dibromochloromethane	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	5.0
Bromoform	ND	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	5.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client: Camp, Dresser & McKee
Client Address: 18881 Von Karmen, ste 650
Irvine, CA 92715

Report Date: 10/11/90
Lab P.N.: 1107 - 14
Client P.N.: 2232-110-LX-AUDT

Project Name: Ontario Audit
Project Address: Ontario Airport

Date Sampled: 9/24/90-9/25/90
Date Analyzed: 10/1/90-10/11/90
Physical State: Solid

EPA 8010

Sample ID	B-14-5.0	B-14-10.0	B-15-0.0	
Parameters	Conc. (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	Detection Limts (µg/kg)
Chloromethane	ND	ND	ND	5.0
Vinylchloride	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	5.0
Chloroethane	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	5.0
Methylene Chloride	ND	ND	ND	25
Trans-1,2-Dichloroethene	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	5.0
Chloroform	ND	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	ND	5.0
Carbon Tetrachloride	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	5.0
Cis-1,3-Dichloropropene	ND	ND	ND	5.0
Trans-1,3-Dichloropropene	ND	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	5.0
Dibromochloromethane	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	5.0
Bromoform	ND	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	5.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client: Camp, Dresser & McKee
Client Address: 18881 Von Karmen, ste 650
Irvine, CA 92715

Report Date: 10/11/90
Lab P.N.: 1107 - 14
Client P.N.: 2232-110-LX-AUDT

Project Name: Ontario Audit
Project Address: Ontario Airport

Date Sampled: 9/24/90-9/25/90
Date Analyzed: 10/1/90-10/11/90
Physical State: Solid

EPA 8010

Sample ID	B-16-0.0	B-16-5.0	B-16-15.0	
Parameters	Conc. (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	Detection Limts (µg/kg)
Chloromethane	ND	ND	ND	5.0
Vinylchloride	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	5.0
Chloroethane	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	5.0
Methylene Chloride	ND	ND	ND	25
Trans-1,2-Dichloroethene	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	5.0
Chloroform	ND	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	ND	5.0
Carbon Tetrachloride	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	5.0
Cis-1,3-Dichloropropene	ND	ND	ND	5.0
Trans-1,3-Dichloropropene	ND	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	5.0
Dibromochloromethane	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	5.0
Bromoform	ND	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	5.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650 Irvine, CA 92715	Lab P.N.:	1107 - 14
		Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90
		Physical State:	Solid

Sample ID	B-1-0.0	B-1-10.0	B-6-0.0	
Carbon Range	Conc. (mg/kg)	Conc. (mg/kg)	Conc. (mg/kg)	Detection Limits (mg/kg)
C6-C7	ND	ND	ND	0.5
C8-C9	ND	ND	ND	0.5
C10-C11	ND	ND	ND	0.5
C12-C13	ND	ND	ND	0.5
C14-C15	ND	ND	ND	0.5
C16-C17	ND	ND	ND	0.5
C18-C19	ND	ND	ND	0.5
C20-C21	ND	ND	ND	0.5
C22-C23	ND	ND	ND	0.5
C24-C25	ND	ND	ND	0.5
C26---->	ND	ND	ND	0.5
TOTALS	ND	ND	ND	

The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650	Lab P.N.:	1107 - 14
	Irvine, CA 92715	Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90
		Physical State:	Solid

Sample ID	B-6-10.0	B-7-0.0	B-7-15.0	
Carbon Range	Conc. (mg/kg)	Conc. (mg/kg)	Conc. (mg/kg)	Detection Limits (mg/kg)
C6-C7	ND	ND	ND	0.5
C8-C9	ND	ND	ND	0.5
C10-C11	ND	ND	ND	0.5
C12-C13	ND	ND	ND	0.5
C14-C15	ND	ND	ND	0.5
C16-C17	ND	ND	ND	0.5
C18-C19	ND	ND	ND	0.5
C20-C21	ND	ND	ND	0.5
C22-C23	ND	ND	ND	0.5
C24-C25	ND	ND	ND	0.5
C26---->	ND	ND	ND	0.5
TOTALS	ND	ND	ND	

The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650 Irvine, CA 92715	Lab P.N.:	1107 - 14
		Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90
		Physical State:	Solid

Sample ID	B-8-0.0	B-8-2.5	B-9-0.0	
Carbon Range	Conc. (mg/kg)	Conc. (mg/kg)	Conc. (mg/kg)	Detection Limits (mg/kg)
C6-C7	ND	ND	ND	0.5
C8-C9	ND	ND	ND	0.5
C10-C11	ND	ND	ND	0.5
C12-C13	ND	ND	ND	0.5
C14-C15	ND	ND	ND	0.5
C16-C17	ND	ND	ND	0.5
C18-C19	ND	ND	ND	0.5
C20-C21	ND	ND	ND	0.5
C22-C23	ND	ND	ND	0.5
C24-C25	ND	ND	ND	0.5
C26---->	ND	ND	ND	0.5
TOTALS	ND	ND	ND	

The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650	Lab P.N.:	1107 - 14
	Irvine, CA 92715	Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90
		Physical State:	Solid

Sample ID	B-9-15.0	B-10-0.0	B-10-2.5	
Carbon Range	Conc. (mg/kg)	Conc. (mg/kg)	Conc. (mg/kg)	Detection Limits (mg/kg)
C6-C7	ND	ND	ND	0.5
C8-C9	ND	ND	ND	0.5
C10-C11	ND	ND	ND	0.5
C12-C13	ND	ND	ND	0.5
C14-C15	ND	ND	ND	0.5
C16-C17	ND	ND	ND	0.5
C18-C19	ND	ND	ND	0.5
C20-C21	ND	ND	ND	0.5
C22-C23	ND	ND	ND	0.5
C24-C25	ND	ND	ND	0.5
C26---->	ND	ND	ND	0.5
TOTALS	ND	ND	ND	

The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650	Lab P.N.:	1107 - 14
	Irvine, CA 92715	Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90
		Physical State:	Solid

Sample ID	B-11-2.5	B-11-5.0	B-11-15.0	
Carbon Range	Conc. (mg/kg)	Conc. (mg/kg)	Conc. (mg/kg)	Detection Limits (mg/kg)
C6-C7	ND	ND	ND	0.5
C8-C9	ND	ND	ND	0.5
C10-C11	ND	ND	ND	0.5
C12-C13	ND	ND	ND	0.5
C14-C15	ND	ND	ND	0.5
C16-C17	ND	ND	ND	0.5
C18-C19	ND	ND	ND	0.5
C20-C21	ND	ND	ND	0.5
C22-C23	ND	ND	ND	0.5
C24-C25	ND	ND	ND	0.5
C26---->	ND	ND	ND	0.5
TOTALS	ND	ND	ND	

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TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650 Irvine, CA 92715	Lab P.N.:	1107 - 14
		Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90
		Physical State:	Solid

Sample ID	B-12-0.0	B-12-2.5	B-12-10.0	
Carbon Range	Conc. (mg/kg)	Conc. (mg/kg)	Conc. (mg/kg)	Detection Limits (mg/kg)
C6-C7	ND	ND	ND	0.5
C8-C9	ND	ND	ND	0.5
C10-C11	ND	ND	ND	0.5
C12-C13	ND	ND	ND	0.5
C14-C15	ND	ND	ND	0.5
C16-C17	ND	ND	ND	0.5
C18-C19	ND	ND	ND	0.5
C20-C21	ND	ND	ND	0.5
C22-C23	ND	ND	ND	0.5
C24-C25	ND	ND	ND	0.5
C26---->	ND	ND	ND	0.5
TOTALS	ND	ND	ND	

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TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650	Lab P.N.:	1107 - 14
	Irvine, CA 92715	Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90
		Physical State:	Solid

Sample ID	B-12-15.0	B-13-2.5	B-13-5.0	
Carbon Range	Conc. (mg/kg)	Conc. (mg/kg)	Conc. (mg/kg)	Detection Limits (mg/kg)
C6-C7	ND	ND	ND	0.5
C8-C9	ND	ND	ND	0.5
C10-C11	ND	ND	ND	0.5
C12-C13	ND	ND	ND	0.5
C14-C15	ND	ND	ND	0.5
C16-C17	ND	ND	ND	0.5
C18-C19	ND	ND	ND	0.5
C20-C21	ND	ND	ND	0.5
C22-C23	ND	ND	ND	0.5
C24-C25	ND	ND	ND	0.5
C26---->	ND	ND	ND	0.5
TOTALS	ND	ND	ND	

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TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650 Irvine, CA 92715	Lab P.N.:	1107 - 14
		Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90
		Physical State:	Solid

Sample ID	B-13-15.0	B-14-2.5	B-14-5.0	
Carbon Range	Conc. (mg/kg)	Conc. (mg/kg)	Conc. (mg/kg)	Detection Limits (mg/kg)
C6-C7	ND	ND	ND	0.5
C8-C9	ND	ND	ND	0.5
C10-C11	ND	ND	ND	0.5
C12-C13	ND	ND	ND	0.5
C14-C15	ND	ND	ND	0.5
C16-C17	ND	ND	ND	0.5
C18-C19	ND	ND	ND	0.5
C20-C21	ND	ND	ND	0.5
C22-C23	ND	ND	ND	0.5
C24-C25	ND	ND	ND	0.5
C26---->	ND	ND	ND	0.5
TOTALS	ND	ND	ND	

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TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650	Lab P.N.:	1107 - 14
	Irvine, CA 92715	Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90
		Physical State:	Solid

Sample ID	B-14-10.0	B-15-0.0	B-16-0.0	
Carbon Range	Conc. (mg/kg)	Conc. (mg/kg)	Conc. (mg/kg)	Detection Limits (mg/kg)
C6-C7	ND	ND	ND	0.5
C8-C9	ND	ND	ND	0.5
C10-C11	ND	ND	ND	0.5
C12-C13	ND	ND	ND	0.5
C14-C15	ND	ND	ND	0.5
C16-C17	ND	ND	ND	0.5
C18-C19	ND	ND	ND	0.5
C20-C21	ND	ND	ND	0.5
C22-C23	ND	ND	ND	0.5
C24-C25	ND	ND	ND	0.5
C26---->	ND	ND	ND	0.5
TOTALS	ND	ND	ND	

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TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650	Lab P.N.:	1107 - 14
	Irvine, CA 92715	Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90
		Physical State:	Solid

Sample ID	B-16-5.0	B-16-15.0	
Carbon Range	Conc. (mg/kg)	Conc. (mg/kg)	Detection Limits (mg/kg)
C6-C7	ND	ND	0.5
C8-C9	ND	ND	0.5
C10-C11	ND	ND	0.5
C12-C13	ND	ND	0.5
C14-C15	ND	ND	0.5
C16-C17	ND	ND	0.5
C18-C19	ND	ND	0.5
C20-C21	ND	ND	0.5
C22-C23	ND	ND	0.5
C24-C25	ND	ND	0.5
C26---->	ND	ND	0.5
TOTALS	ND	ND	

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TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650	Lab P.N.:	1107 - 14
	Irvine, CA 92715	Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90-10/4/90
		Physical State:	Solid

Sample ID	B-14-2.5	B-14-5.0	
Parameters	Conc. (mg/kg)	Conc. (mg/kg)	Detection Limts (mg/kg)
Antimony (EPA 7040)	5.0	1.9	2.0
Arsenic (EPA7060)	7.2	2.8	0.05
Barium (EPA 7080)	130	47	1.0
Beryllium (EPA 7090)	1.8	1.7	0.5
Cadmium (7130)	ND	ND	0.5
Chromium (EPA 7190)	18	8.2	0.5
Chromium VI (EPA 7196)	ND	ND	0.05
Cobalt (EPA 7200)	7.6	5.0	0.5
Copper (EPA 7210)	86	8.4	1.0
Lead (EPA 7420)	350	1.9	0.5
Mercury (EPA 7471)	ND	ND	0.02
Molybdenum (EPA 7480)	ND	ND	2.0
Nickel (EPA 7520)	33	3.8	0.5
Selenium (EPA 7740)	ND	ND	0.05
Silver (EPA 7760)	ND	ND	0.5
Thallium (EPA 7840)	2.5	0.95	2.0
Vanadium (EPA 7910)	47	23	2.0
Zinc (EPA 7950)	370	69	0.5

ND; Not Detectable
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TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

16371 Gothard Street
Suite G
Huntington Beach
California
92647
Tel 714.842.6077
Fax 714.842.1891

LABORATORY REPORT

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650 Irvine, CA 92715	Lab P.N.:	1107 - 14
		Client P.N.:	2232-110-LX-AUDT
Contact:	Thomas Lae		
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Received:	9/26/90
		Date Analyzed:	10/1/90-10/4/90
		Physical State:	Aqueous

The samples were received by Terra Tech Labs, Inc. in a chilled state, intact and with the Chain-of-Custody Record attached.

Please note that ND means not detected at the detection limit expressed.

Aqueous samples are reported on "as received" basis.

M = Matrix Spike / Spike Duplicate

L = Laboratory Control Sample Spike / Spike Duplicate

Ruth Willson
Reviewed

Approved

The samples were received by TERRA TECH LABS, Inc. in a chilled state, intact and accompanied by the Chain-of-Custody Record.
Acceptance of samples by Terra Tech Labs, Inc. is not an indication of condition upon receipt.
Laboratory Results apply only to the sample matrix analyzed and may not apply to an apparently identical or similar sample.
The Laboratory Report is the property of the client to whom it is addressed.
The Laboratory Results are only a portion of the Laboratory Report.

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING

LABORATORY RESULTS

Client:	Camp, Dresser & McKee	Report Date:	10/11/90
Client Address:	18881 Von Karmen, ste 650	Lab P.N.:	1107 - 14
	Irvine, CA 92715	Client P.N.:	2232-110-LX-AUDT
Project Name:	Ontario Audit	Date Sampled:	9/24/90-9/25/90
Project Address:	Ontario Airport	Date Analyzed:	10/1/90-10/4/90
		Physical State:	Aqueous

Predisposal Package

Sample ID	Composite Sample	
Flash Point (EPA 1010)	No Flash up to 230	
pH (EPA 9045)	7.9	
TRPH (EPA 418.1)	15	
Cyanides (EPA 335.2)	Trace	
Phenols (EPA 420.1)	0.04	
Sulfides (EPA 9030)	ND	
Halogenated Organics (EPA 601)	N/A	
Percent Water	99.9	
Percent Solids	0.1	
Percent Oil	N/A	
Arsenic (EPA7060)	ND	mg/l
Beryllium (EPA 7090)	ND	mg/l
Cadmium (7130)	ND	mg/l
Chromium (EPA 7190)	ND	mg/l
Cobalt (EPA 7200)	ND	mg/l
Copper (EPA 7210)	ND	mg/l
Iron (236.1)	0.38	mg/l
Lead (EPA 7420)	ND	mg/l
Mercury (EPA 7471)	ND	mg/l
Nickel (EPA 7520)	ND	mg/l
Selenium (EPA 7740)	ND	mg/l
Thallium (EPA 7840)	ND	mg/l
Vanadium (EPA 7910)	ND	mg/l
Zinc (EPA 7950)	ND	mg/l

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

October 9, 1990

WEST COAST ANALYTICAL SERVICE, INC.
ANALYTICAL CHEMISTS

TERRA TECH LABS
16371 Gothard St.
Suite G
Huntington Beach, CA 92647

Attn: Ruth Willson

JOB NO. 16729 A

LABORATORY REPORT

Samples Received: Three (3) soils and one (1) liquid
Date Received: 9-28-90
Purchase Order No: Proj#: 1107-14/Ontario Audit

The samples were analyzed as follows:

Samples Analyzed	Analysis	Results
Three (3) soils and one (1) liquid	Organochlorine Pesticides and PCB's by EPA 8080/608	Data Sheets

B. Michael Hovanec
Senior Staff Chemist

Michael Shelton
Technical Director

9840 Alburtis Avenue • Santa Fe Springs, California 90670 • 213/948-2225 • FAX 213/948-5850

Client: TERRA TECH LABS
Job No: 16729

Sample: Composite: CLAR-S1 and CLAR-S2

Organochlorine Pesticides & PCB's by EPA 608

Matrix:	Water
Date Extracted/Prepared:	10-1-90
Date Analyzed:	10-5-90
Sample Volume/Weight:	980 mL
Total Extract Volume:	10 mL
Dilution Factor:	10

CAS #	Compound	Parts per billion (ug/L)	Det. Limit
309-00-2	Aldrin	ND	0.5
319-85-6	Alpha-BHC	ND	0.5
319-85-7	Beta-BHC	ND	0.5
58-89-9	Gamma-BHC (Lindane)	ND	0.5
319-86-8	Delta-BHC	ND	0.5
57-74-9	Chlordane	ND	5
72-54-8	4,4'-DDD	ND	1
72-55-9	4,4'-DDE	ND	1
50-29-3	4,4'-DDT	ND	1
60-57-1	Dieldrin	ND	1
959-98-8	Endosulfan I	ND	0.5
3321-65-9	Endosulfan II	ND	1
1031-07-8	Endosulfan Sulfate	ND	1
72-20-8	Endrin	ND	1
7421-93-4	Endrin Aldehyde	ND	1
53494-70-5	Endrin Ketone	ND	1
76-44-8	Heptachlor	ND	0.5
1024-57-3	Heptachlor epoxide	ND	0.5
72-43-5	Methoxychlor	ND	5
8001-35-2	Toxaphene	ND	10
12674-11-2	Aroclor-1016	ND	5
11104-28-2	Aroclor-1221	ND	5
11141-16-5	Aroclor-1232	ND	5
53469-21-9	Aroclor-1242	ND	5
12672-29-6	Aroclor-1248	ND	5
11097-69-1	Aroclor-1254	ND	5
11096-82-5	Aroclor-1260	ND	5

ND - Not detected
NA - Not analyzed

Client: TERRA TECH LABS
Job No: 16729

Sample: B-5-0.0

Organochlorine Pesticides & PCB's by EPA 8080

Matrix:	Soil
Date Extracted/Prepared:	10-1-90
Date Analyzed:	10-5-90
Sample Volume/Weight:	30 gm
Total Extract Volume:	10 mL
Dilution Factor:	1

CAS #	Compound	Parts per billion (ug/Kg)	Det. Limit
309-00-2	Aldrin	ND	2
319-85-6	Alpha-BHC	ND	2
319-85-7	Beta-BHC	23	2
58-89-9	Gamma-BHC (Lindane)	ND	2
319-86-8	Delta-BHC	ND	2
57-74-9	Chlordane	ND	20
72-54-8	4,4'-DDD	ND	3
72-55-9	4,4'-DDE	ND	3
50-29-3	4,4'-DDT	ND	3
60-57-1	Dieldrin	ND	3
959-98-8	Endosulfan I	ND	2
3321-65-9	Endosulfan II	ND	3
1031-07-8	Endosulfan Sulfate	ND	3
72-20-8	Endrin	ND	3
7421-93-4	Endrin Aldehyde	ND	3
53494-70-5	Endrin Ketone	ND	3
76-44-8	Heptachlor	ND	2
1024-57-3	Heptachlor epoxide	ND	2
72-43-5	Methoxychlor	ND	20
8001-35-2	Toxaphene	ND	30
12674-11-2	Aroclor-1016	ND	20
11104-28-2	Aroclor-1221	ND	20
11141-16-5	Aroclor-1232	ND	20
53469-21-9	Aroclor-1242	ND	20
12672-29-6	Aroclor-1248	ND	20
11097-69-1	Aroclor-1254	ND	20
11096-82-5	Aroclor-1260	ND	20

ND - Not detected
NA - Not analyzed

Client: TERRA TECH LABS Sample: B-5-2.5
Job No: 16729

Organochlorine Pesticides & PCB's by EPA 8080

Matrix:	Soil	
Date Extracted/Prepared:	10-1-90	
Date Analyzed:	10-5-90	
Sample Volume/Weight:	30	gm
Total Extract Volume:	10	mL
Dilution Factor:	1	

CAS #	Compound	Parts per billion (ug/Kg)	Det. Limit
309-00-2	Aldrin	ND	2
319-85-6	Alpha-BHC	ND	2
319-85-7	Beta-BHC	ND	2
58-89-9	Gamma-BHC (Lindane)	ND	2
319-86-8	Delta-BHC	ND	2
57-74-9	Chlordane	ND	20
72-54-8	4,4'-DDD	ND	3
72-55-9	4,4'-DDE	ND	3
50-29-3	4,4'-DDT	ND	3
60-57-1	Dieldrin	ND	3
959-98-8	Endosulfan I	ND	2
3321-65-9	Endosulfan II	ND	3
1031-07-8	Endosulfan Sulfate	ND	3
72-20-8	Endrin	ND	3
7421-93-4	Endrin Aldehyde	ND	3
53494-70-5	Endrin Ketone	ND	3
76-44-8	Heptachlor	ND	2
1024-57-3	Heptachlor epoxide	ND	2
72-43-5	Methoxychlor	ND	20
8001-35-2	Toxaphene	ND	30
12674-11-2	Aroclor-1016	ND	20
11104-28-2	Aroclor-1221	ND	20
11141-16-5	Aroclor-1232	ND	20
53469-21-9	Aroclor-1242	ND	20
12672-29-6	Aroclor-1248	ND	20
11097-69-1	Aroclor-1254	ND	20
11096-82-5	Aroclor-1260	ND	20

ND - Not detected
NA - Not analyzed

Client: TERRA TECH LABS Sample: B-13-2.5
Job No: 16729

Organochlorine Pesticides & PCB's by EPA 8080

Matrix:	Soil
Date Extracted/Prepared:	10-1-90
Date Analyzed:	10-5-90
Sample Volume/Weight:	30 gm
Total Extract Volume:	10 mL
Dilution Factor:	1

CAS #	Compound	Parts per billion (ug/Kg)	Det. Limit
309-00-2	Aldrin	ND	2
319-85-6	Alpha-BHC	ND	2
319-85-7	Beta-BHC	ND	2
58-89-9	Gamma-BHC (Lindane)	ND	2
319-86-8	Delta-BHC	ND	2
57-74-9	Chlordane	ND	20
72-54-8	4,4'-DDD	ND	3
72-55-9	4,4'-DDE	ND	3
50-29-3	4,4'-DDT	ND	3
60-57-1	Dieldrin	ND	3
959-98-8	Endosulfan I	ND	2
3321-65-9	Endosulfan II	ND	3
1031-07-8	Endosulfan Sulfate	ND	3
72-20-8	Endrin	ND	3
7421-93-4	Endrin Aldehyde	ND	3
53494-70-5	Endrin Ketone	ND	3
76-44-8	Heptachlor	ND	2
1024-57-3	Heptachlor epoxide	ND	2
72-43-5	Methoxychlor	ND	20
8001-35-2	Toxaphene	ND	30
12674-11-2	Aroclor-1016	ND	20
11104-28-2	Aroclor-1221	ND	20
11141-16-5	Aroclor-1232	ND	20
53469-21-9	Aroclor-1242	ND	20
12672-29-6	Aroclor-1248	ND	20
11097-69-1	Aroclor-1254	ND	20
11096-82-5	Aroclor-1260	ND	20

ND - Not detected
NA - Not analyzed

CDM

Camp Dresser & McKee

EL CAPITAN
Environmental Services Inc.

Engineers - Consultants - Contractors

Underground Storage Tank Closure Report



Site Location

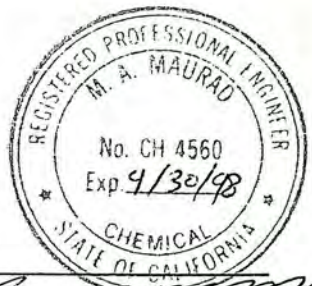
California Air National Guard
Ontario International Airport
Ontario, California 91761

Prepared For

City of Los Angeles Department of Airports
1 World Way
Los Angeles, California 90045



February 1995



Prepared By
El Capitan Environmental Services

Armen G. Minassian

Armen Minassian, P.E.
Project Manager

Al Maurad, P.E
Project Director

CAP/REP/DOA2.TCR/AT.AA/FEB95

EL CAPITAN
Environmental Services Inc.

Engineers - Consultants - Contractors



March 30, 1995

Catherine B. Richards, R.E.H.S.
Environmental Health Specialist II
Hazardous Materials Division
Site Remediation/Local Oversight Program
Environmental Health Services
County of San Bernardino
385 North Arrowhead Avenue
San Bernardino, California 92415-0160

Subject: Underground Storage Tank Closure Report
California Air National Guard
Ontario International Airport
Ontario, California

Dear Ms. Richards:

Attached are three copies of Underground Storage Tank Closure Report, prepared for City of Los Angeles Department of Airports for the California Air National Guard, Ontario International Airport site.

Should you have any questions, please do not hesitate to call the undersigned at (818) 556-5056

Sincerely,

Al Maurad, P.E.
Project Director

AM/aa

Encl.: As mentioned above

cc: Mr. Robert Granberg, DOA
(2 copies of reports)

1115 Chestnut Street, Burbank, CA 91506 Tel : (818) 556-5056 Fax : (818) 556-5059
Contractors Lic. Class A. C-57, HAZ # 640045

EL CAPITAN
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TABLE OF CONTENTS

		Page
1.0	INTRODUCTION	1
2.0	SITE DESCRIPTION	1
3.0	REMOVAL OF SODA WATER	2
4.0	UST REMOVAL	3
	4.1 Soil Sampling During UST Removal	4
	4.2 Sampling Procedure	4
	4.3 Analytical Results	5
5.0	POST-TANK REMOVAL EXCAVATION	6
	5.1 Additional Excavation	8
6.0	STOCKPILE PROFILING	9
7.0	SOIL DISPOSAL	11
8.0	BACKFILLING	11
9.0	CONCLUSIONS AND RECOMMENDATIONS	12
REFERENCES		

LIST OF TABLES

Table 1 - Summary of Laboratory Analysis of Water Samples Collected from UST # 5 - 8

Table 2 - Summary of Laboratory Analysis of Soil Samples Collected after Tank Removal on December 1, 1994

Table 3 - Summary of Laboratory Analysis of Confirmation Soil Samples Collected after Removing the Contaminated Soil from UST # 6 - 8 Area on January 6 and 30, 1995

Table 4 - Summary of Laboratory Analysis of Stockpile Soil Samples Collected after Removing the USTs and Contaminated Soil from UST # 6 - 8

LIST OF FIGURES

Figure 1 - Site Location Map

Figure 2 - Tanks 5 - 8

Figure 3 - Tank 9

Figure 4 - Excavated Pit & Sample Locations

Figure 5 - Soil Stockpiles & Sample Locations

LIST OF APPENDICES

Appendix A - Water Disposal Manifests, UST Removal Documentation Permits, Rinseate Disposal Manifests, and Tank Destruction Certificates.

Appendix B - Detailed Laboratory Analysis, QA/QC Data, and Chain-of-Custody Documentation.

Appendix C - Soil Disposal Manifests

Appendix D - Regulatory Agency Correspondences

1.0 INTRODUCTION

El Capitan Environmental Services, Inc. (El Capitan), has been retained by the Department of Airports (DOA) of the City of Los Angeles to remove five underground storage tanks (USTs) and the associated pipings, appurtenances, and incidentals from the California Air National Guard site located at Ontario International Airport, Ontario, California under the project entitled "Underground Tank Removals - Phase 2". The work has also included excavating and disposing of hydrocarbon-impacted soil, backfilling excavated pits, and compacting to grade surface.

This report describes the tank contents and UST removal activities, post-removal soil sampling, excavating and disposing contaminated soil, confirmation soil sampling, and backfilling and compaction of excavated pits; and also presents conclusions and recommendations.

2.0 SITE DESCRIPTION

The subject site is located at the south-western portion of Ontario International Airport's property boundary (see Figure 1 for Site Location Map). The tanks were located within the former California Air National Guard facility. Five USTs (T5 through T9) were located at the site. Tanks T5 through T8 were located south of taxi way #2, to the west of the Cucamonga Creek channel (see Figure 2 for tank locations). The capacity of each of the former gasoline tanks was 25,000 gallons. Tank T9 was located to the west of the boiler room (see Figure 3 for the location of the tank). The capacity of tank T9 was 10,000 gallons, and it was used to store diesel fuel.

3.0 REMOVAL OF SODA WATER

Tanks T5 through T8 were believed to be filled with soda water, chemical analysis, however, showed that the water was impacted with dissolved gasoline and its constituents (benzene, toluene, ethylbenzene and xylenes, BTEX). Four water samples (T-5 through T-8), one from each tank, were collected to profile the contaminated water. The samples were collected, using teflon bailers, in 40-ml clear glass vials and capped with teflon-lined screw caps with zero head space. The vials were labeled and placed in an ice chest with blue ice. All samples were delivered within 24 hours, under chain-of-custody, to Applied P & Ch Laboratory (APCL), Pomona, California, for pH analysis by EPA Method 150.1/9040, total petroleum hydrocarbons (TPH) as gasoline, by EPA Method 8015 Modified, and volatile organic compounds (VOCs) by EPA method 624. APCL is a state-certified laboratory for chemical analysis.

The detailed chemical analysis and chain-of-custody documentation are attached in Appendix B. The summary of the results are presented in Table 1. Chemical analysis showed that the water was contaminated with gasoline and BTEX. The level of TPH and BTEX precluded the discharge of water into a storm drain or a sewer line without prior treatment. The water was manifested as hazardous waste liquid, pumped out by vacuum trucks, and hauled to the Norris Environmental Services facility (NES), Los Angeles, California for treatment. A total of 102,400 gallons of contaminated water was hauled to NES for treatment. Copies of the water disposal manifests are attached in Appendix A.

4.0 UST REMOVAL

The UST removal permits were obtained from San Bernardino County Department of Environmental Health Services (SBCDEHS) and City of Ontario Fire Safety Control Bureau (COFSCB). Copies of the permits are attached in Appendix A. On December 1, 1994, El Capitan removed all USTs (T5 through T9) and their associated piping, filters, and dispensers from the subject site, in accordance with the Ontario Municipal Code and the Standard Specifications for Public Works Construction. The USTs were uncovered by excavating the soil with the aid of a track-mounted excavator. The excavated soils were stockpiled on site. Visibly contaminated soils were segregated from clean soils. Continuous air monitoring was performed for VOC, during the excavation, by a photoionization detector (PID), as per requirements of SCAQMD rule 1166.

Residual product inside the tanks was pumped out by Western Environmental Engineers Co. (WEECO), Santa Ana, California. The tanks and the associated pipings were rinsed with pressurized water by WEECO and the generated rinseate was transported to DeMenno Kerdoon, of Compton, California, for treatment. Copies of the rinseate manifests are attached in Appendix A. Windows were cut in the tanks for visual inspection and dry ice was placed in the tanks to suppress the explosive atmosphere inside the tanks. Visual soil contamination was observed at UST locations T5 through T8. No visual soil contamination or odor was observed at UST location T9.

All tanks were made of single wall steel, and they appeared to be intact, with no visible cracks or holes. The removed tanks were taken to the American Metal Recycling, Inc. (AMR) facility, Ontario, California, for recycling. Copies of the tank disposal certification are included in Appendix A. UST removal was witnessed by Mr. Michael Ward of SBCDEHS, as well as by Mr. Frank

Haddleston and Mr. Thomas Mitchell of COFSCB.

4.1 Soil Sampling During UST Removal

After removing the USTs, several soil samples were collected from the inverts of the former USTs. Soil samples were collected under the direction of Michael Ward of SBCDEHS on December 1, 1994.

Ten soil samples were collected at approximately 3 ft below the tank inverts. Two soil samples were collected from each tank location (see Figures 2 and 3 sample locations). The tank numbers and the corresponding sampling identification numbers are as follows:

Tank No.	Sample ID No.
T5	T5-A, T5-B
T6	T6-A, T6-B
T7	T7-A, T7-B
T8	T8-A, T8-B
T9	T9-A, T9-B

4.2 Sampling Procedure

Soil samples from the UST pits were collected using the bucket of an excavator. A hand driven sampler equipped with a precleaned, 2-inch diameter, 6-inch long, brass sleeve was used to collect an undisturbed portion of soil from the backhoe bucket. Soil samples were retained in the brass liner, then removed and immediately

covered at each end with teflon sheets, capped, and sealed with tape. All samples were labeled with the date, location, sample identification number, and sampler's initials, then immediately stored in a chilled container under blue ice. Proper chain-of-custody protocols were observed throughout all phases of the sample handling process.

4.3 Analytical Results

Soil samples collected during the USTs removal were submitted to APCL and were analyzed as applicable for BTEX by EPA Method 8020, TPH as gasoline and diesel by EPA Method 8015 Modified, and total lead by EPA Method 7420. Detailed laboratory analysis, laboratory QA/QC, and chain-of-custody documentation are included in Appendix B. The summary of the analytical results is presented in Table 2 and is discussed below:

- Soil sample collected from tank invert of T9 was not impacted with TPH or BTEX. The measured concentrations of TPH and BTEX were non-detectable (ND).

- Soil samples collected from tank inverts of T5 through T8 were impacted with TPH and BTEX. TPH concentrations ranged from ND to 3,750 mg/kg; benzene concentrations ranged from ND to <0.5 mg/kg; toluene concentrations ranged from ND to 16.2 mg/kg;

ethylbenzene concentrations ranged from ND to 8.8; total xylene concentrations ranged from ND to 86 mg/kg.

- Lead concentrations ranged from ND to 32 mg/kg and are believed to represent the native soil conditions.

5.0 POST-TANK REMOVAL EXCAVATION

El Capitan submitted to SBCDEHS a workplan for excavation of the contaminated soil at the area of former tanks No. 5 through 8 (El Capitan, December 7, 1994). The SBCDEHS reviewed the workplan and provided its comments in its letter dated December 22, 1994 (SBCDEHS, December 22, 1994). Copies of SBCDEHS correspondences are provided in Appendix D.

On January 6, 1995, El Capitan excavated the hydrocarbon-impacted soil from the western side of the former T7 and T8 locations. The excavated area is depicted in Figure 4. The excavated pit was 29 ft deep bgs, and it measured 16 ft from east to west and 34 ft from north to south. The excavation was achieved by making a ramp of 1 to 1 slope at the north-western corner of the tank's pit utilizing a track-mounted excavator.

The excavated soil was monitored both visually and also by an organic vapor analyzer (OVA), to determine the extent of



excavation. OVA was also used for air monitoring in compliance with SCAQMD Rule 1166. The excavated impacted soils were segregated from the clean soils, and they were stockpiled on site (see Figure 5).

Nine confirmation samples were collected from the bottom and walls of the pit, under the direction of SBCDEHS Inspector, Mr. Ronald A. Ripley (see Figure 4 for sample locations). Three samples (SB-1 @ 29′ through SB-3 @ 29′ bgs) were collected from the bottom of the pit. One sample (SW-1 @ 27′) was collected from the south wall, at 27 ft bgs; two samples (WW-1 @ 26′ and WW-2 @ 26′) were collected from the west, wall at 26 ft bgs; one sample (NW-1 @ 26′) was collected from the north wall, at 26 ft bgs; and two samples (EW-1 @ 27′ and EW-2 @ 27′) were collected from east wall, at 27 ft bgs. The samples were analyzed for TPH and BTEX by APCL. Detailed laboratory analysis, QA/QC data, and chain-of-custody documentation are attached in Appendix B. The summary of the results is presented in Table 3 and is discussed below:

- TPH and BTEX concentrations were ND in soil samples collected from the south, west, and north walls. However, soil samples collected from the bottom of the pit and east wall still showed the presence of elevated concentrations of TPH and BTEX. TPH concentrations ranged from 730 to 1,800 mg/kg. Therefore, additional excavation was performed at those

Therefore, additional excavation was performed at those locations, as described in the next section.

5.1 Additional Excavation

El Capitan performed the additional excavation on January 30, 1995 to remove the remaining contaminated soil at the bottom and east wall of the pit. Prior to the excavation, the concrete slabs, found beneath the former tanks T5 through T8, were broken and removed on January 20, 1995.

The additional excavation was performed at the bottom and at the eastern wall of the existing pit utilizing a track-mounted excavator. The plot plan of the boundary of this new excavated pit is shown in Figure 4. The depth of the pit was 35 ft bgs, and it measured 35 ft from east to west and 42 ft from north to south. The excavation was performed in the same way as described in the previous section.

On January 30, 1995, six new soil confirmation samples were collected from the bottom and the walls of the excavated pit, under the direction of SBCDEHS Inspector, Ms. Catherine Richards (see Figure 4 for the sample locations). Two samples (SB-4 @ 35′ and SB-5 @ 35′) were collected from the bottom of the pit, at 35 ft bgs; one sample (NW-2 @ 30′) was collected from the north wall, at

wall, at 35 ft bgs; one sample (EW-3 @ 35′) was collected from the east wall, at 35 ft bgs; and one sample (SEW @ 33′) was collected from the south-east wall, at 33 ft bgs.

The soil samples were analyzed by APCL for TPH (jet fuel and gasoline) and BTEX. Detailed laboratory analysis, QA/QC data, and chain-of-custody documentation are attached in Appendix B. The summary of the analytical results is presented in Table 3 and discussed below:

- All the six confirmation samples, except SEW @ 33′ and SB-4 @ 35′, did not show the presence of detectable concentrations of TPH and BTEX. Sample SEW @ 33′ registered 450 mg/kg of TPH as jet fuel and 41 mg/kg as gasoline, < 0.05 mg/kg of benzene, 0.154 mg/kg of ethylbenzene, and 2.38 mg/kg of total xylenes. Sample SB-4 @ 35′ contained trace amount of total xylenes (0.044 mg/kg) and no TPH or other VOCs.

6.0 STOCKPILE PROFILING

During the UST removal and contaminated soil excavation, the hydrocarbon-impacted soils were segregated from the non-contaminated soils, and, as a result, a total of seven stockpiles were generated at the site. One stockpile was generated in the T9 area, and the remaining six stockpiles (stockpile #1 through stockpile #6) were generated in the T5 through T8 areas (see Figure

3 and 5 for stockpile locations).

The stockpile in the T9 area and stockpiles # 1 through # 3 were not contaminated according to visual observation and OVA field monitoring. One soil sample (SP-2-1) was collected from stockpile #1. Sixteen soil samples were collected from stockpiles # 4 through #6 which appeared to be contaminated according to field observations. Six samples (SP-1-1 and SP4-1 through SP4-5) were collected from stockpile #4; five samples (SP5-1 through SP5-5) were collected from stockpile #5, and five samples (SP6-1 through SP6-5) were collected from stockpile #6.

The samples were analyzed by APCL for BTEX by EPA Method 8020, TPH by EPA Method 8015 Modified, TRPH by EPA Method 418.1 and total lead by EPA Method 7420. Detailed laboratory analysis, QA/QC data, and chain-of-custody documentation are presented in Appendix B. The summary of the laboratory results is presented in Table 4 and is discussed below:

- Soil sample collected from stockpile #1 did not show the presence of detectable concentrations of BTEX, TPH, or total lead.

- Soil samples collected from stockpile #4 through #6 showed the presence of significant concentrations of TRPH, ethylbenzene,

total xylenes, and trace concentrations of benzene and toluene. TRPH concentrations ranged from 175 to 2,910 mg/kg; ethylbenzene concentrations ranged from ND to 3.47 mg/kg; total xylenes concentrations ranged from ND to 33.9 mg/kg; benzene ranged from ND to .013 mg/kg; and toluene ranged from ND to <0.05 mg/kg. Therefore, these stockpile (#4 through #6) soils were shipped off site for treatment.

7.0 SOIL DISPOSAL

El Capitan manifested and arranged for transportation of the contaminated soils (stockpiles #4 through #6) to TPS Technologies (TPS), Adelanto, California for thermal desorption. Copies of the soil disposal manifests are provided in Appendix C. A total of 1,838.42 tons of contaminated soil was shipped to TPS between February 9 and February 10, 1995.

8.0 BACKFILLING

The excavated pits were backfilled with excavated, non-contaminated soil (stockpiles No. 1 through No.3) and with clean soil provided by DOA, to 90% and 95% relative compaction, up to natural grade surface. Compaction was performed and tested under the supervision of the DOA.

9.0 CONCLUSIONS AND RECOMMENDATIONS

The former UST T9 location was found to be not impacted with TPH or BTEX. However, the subsurface soil at the former UST of T5 through T8 location was found to have been impacted with petroleum hydrocarbons. The contaminated soil was removed by two stages of excavations. Post-excavation confirmation samples showed that the contaminated soil has been effectively removed except for minor or insignificant residual concentrations. The contaminated soils were hauled off site to TPS facility for thermal desorption. The UST pits were backfilled with clean soil. El Capitan recommends no further action at former UST locations.

REFERENCES

- El Capitan, December 7, 1994 *"Workplan for excavation of contaminated soil at Ontario Airport, City of Ontario, California;"* El Capitan Environmental Services, Inc., Burbank, California.

- SBCDEHS, December 22, 1994 *"Workplan for excavation of contaminated soil at the California Air National Guard Site, located between Taxiway 62 and the Cucumonga Creek Channel, Ontario International Airport, Ontario, California;"* County of San Bernardino, Environmental Health Services, San Bernardino, California.

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Table - 1

Summary of Laboratory Analysis of Water Samples Collected from UST # 5 - 8 Ontario International Airport Ontario, California 91761

Sample ID	Sample Location	VOC, EPA Method 624, ug/l			TPH, mg/l EPA Method 8015M as Gasoline	PH EPA Method 150.1/9040
		Benzene	Toluene	Ethyl-benzene		
T - 5	Sample , collected from UST #5	1.550	32.6	<1	97	9.42
T - 6	Sample , collected from UST #6	0.346	1.05	0.473	2.5	11.89
T - 7	Sample , collected from UST #7	0.096	0.79	0.427	1.6	11.87
T - 8	Sample , collected from UST #8	<1.0	71.3	3.25	82	11.29
	PQL	0.05	0.05	0.05	0.05	0.01

Notes:

PQL : Practical Quantitation Limit

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Table - 2

Summary of Laboratory Analysis of Soil Samples
Collected after Tank Removal on December 1, 1994
Ontario International Airport
Ontario, California 91761

Sample ID	Sample Location	BTEX by EPA Method 8020, mg/kg				TPH, mg/kg EPA Method 8015M as Gasoline	TPH, mg/kg EPA Method 8015M as Diesel	Total Lead mg/kg EPA Method 7420
		Benzene	Toluene	Ethyl-benzene	Total Xylenes			
T5 - A	UST # 5 at 3' below tank invert	<0.5	16.2	2.08	20.78	295	ND	21
T5 - B	UST # 5 at 3' below tank invert	ND	ND	ND	ND	ND	ND	ND
T6 - A	UST # 6 at 3' below tank invert	ND	0.19	0.058	0.436	68	210	11
T6 - B	UST # 6 at 3' below tank invert	ND	ND	0.04	0.232	30	550	ND
T7 - A	UST # 7 at 3' below tank invert	<0.5	3.53	5.86	45	348	2,020	4
T7 - B	UST # 7 at 3' below tank invert	ND	ND	ND	ND	ND	ND	ND
T8 - A	UST # 8 at 3' below tank invert	<0.5	7.76	8.8	86	758	3,750	32
T8 - B	UST # 8 at 3' below tank invert	ND	ND	ND	ND	ND	ND	ND
T9 - A	UST # 9 at 3' below tank invert	ND	ND	ND	ND	-	ND	-
T9 - B	UST # 9 at 3' below tank invert	ND	ND	ND	ND	-	ND	-
	PQL	0.005	0.005	0.005	0.005	1	10	4

Notes:

bgs : Below Grade Surface
ND : Non Detectable
- : Not Analyzed
PQL : Practical Quantitation Limit

Table - 3

Summary of Laboratory Analysis of Confirmation Soil Samples
Collected after Removing the Contaminated Soil from UST # 6-8 Area on January 6 & 30, 1995
Ontario International Airport
Ontario, California 91761

Sample ID	Sample Location	BTEX by EPA Method 8020, mg/kg				TPH, mg/kg EPA Method 8015M as Gasoline	TPH, mg/kg LUFT Method 8015M as Diesel/Jet Fuel
		Benzene	Toluene	Ethyl-benzene	Total Xylenes		
SB - 1, 29'	Bottom Sample, 29' bgs	<0.1	<0.1	1.19	14.41	193	1,000
SB - 2, 29'	Bottom Sample, 29' bgs	<0.1	<0.1	1.02	9.37	101	730
SB - 3, 29'	Bottom Sample, 29' bgs	ND	ND	0.53	2.23	34	1,100
EW - 1, 27'	East Wall Sample, 27' bgs	<0.1	<0.1	0.546	6.4	103	1,200
EW - 2, 27'	East Wall Sample, 27' bgs	<0.1	<0.1	1.08	13.11	140	1,800
SW - 1, 27'	South Wall Sample, 27' bgs	ND	ND	ND	ND	ND	ND
WW - 1, 26'	West Wall Sample, 26' bgs	ND	ND	ND	ND	ND	ND
WW - 2, 26'	West Wall Sample, 26' bgs	ND	ND	ND	ND	ND	ND
NW - 1, 26'	North Wall Sample, 26' bgs	ND	ND	ND	ND	ND	ND
SB4 - 35	Bottom Sample, 35' bgs	ND	ND	ND	0.044	ND	ND
SB5 - 35	Bottom Sample, 35' bgs	ND	ND	ND	ND	ND	ND
SEW - 33	South - East Wall Sample, 33' bgs	<0.05	ND	0.154	2.38	41	450
EW3, 35'	East Wall Sample, 35' bgs	ND	ND	ND	ND	ND	ND
NEW 35'	North - East Wall Sample, 35' bgs	ND	ND	ND	ND	ND	ND
NW2 30'	North Wall Sample, 30' bgs	ND	ND	ND	ND	ND	ND
	PQL	0.005	0.005	0.005	0.005	1	10

1/6

1/30

Notes:

bgs : Below Grade Surface
ND : Non Detectable
PQL : Practical Quantitation Limit

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Table - 4

Summary of Laboratory Analysis of Stockpile Soil Samples
Collected after Removing the USTs & Contaminated Soil from UST # 6 - 8
Ontario International Airport
Ontario, California 91761

Sample ID	Sample Location	BTEX by EPA Method 8020, mg/kg				TPH, mg/kg EPA Method 8015M as Gasoline	TPH, mg/kg EPA Method 8015M as Diesel	Total Lead mg/kg EPA Method 7420	TRPH mg/kg EPA Method 418.1
		Benzene	Toluene	Ethyl-benzene	Total Xylenes				
SP - 2 - 1	Stockpile # 1	ND	ND	ND	ND	ND	ND	ND	-
SP - 1 - 1	Stockpile # 4	ND	ND	ND	ND	2	190	ND	-
SP4 - 1	Stockpile # 4	<0.05	<0.05	<0.05	<0.05	-	-	-	824
SP4 - 2	Stockpile # 4	ND	ND	ND	ND	-	-	-	205
SP4 - 3	Stockpile # 4	ND	ND	ND	ND	-	-	-	184
SP4 - 4	Stockpile # 4	ND	ND	ND	ND	-	-	-	617
SP4 - 5	Stockpile # 4	ND	ND	ND	ND	-	-	-	391
SP5 - 1	Stockpile # 5	ND	ND	ND	0.01	-	-	-	190
SP5 - 2	Stockpile # 5	<0.025	<0.025	0.067	2.927	-	-	-	921
SP5 - 3	Stockpile # 5	ND	ND	ND	0.214	-	-	-	175
SP5 - 4	Stockpile # 5	ND	ND	0.008	0.337	-	-	-	223
SP5 - 5	Stockpile # 5	<0.25	<0.25	0.757	10.06	-	-	-	907
SP6 - 1	Stockpile # 6	ND	ND	ND	ND	-	-	-	260
SP6 - 2	Stockpile # 6	0.013	ND	ND	0.009	-	-	-	972
SP6 - 3	Stockpile # 6	<0.05	<0.05	0.08	0.219	-	-	-	1,750
SP6 - 4	Stockpile # 6	<0.05	<0.05	0.072	2.586	-	-	-	1,830
SP6 - 5	Stockpile # 6	<0.05	<0.05	3.47	33.9	-	-	-	2,910
	PQL	0.005	0.005	0.005	0.005	1	10	4	10

Notes:

bgs : Below Grade Surface
ND : Non Detectable
- : Not Analyzed
PQL : Practical Quantitation Limit

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SITE LOCATION MAP

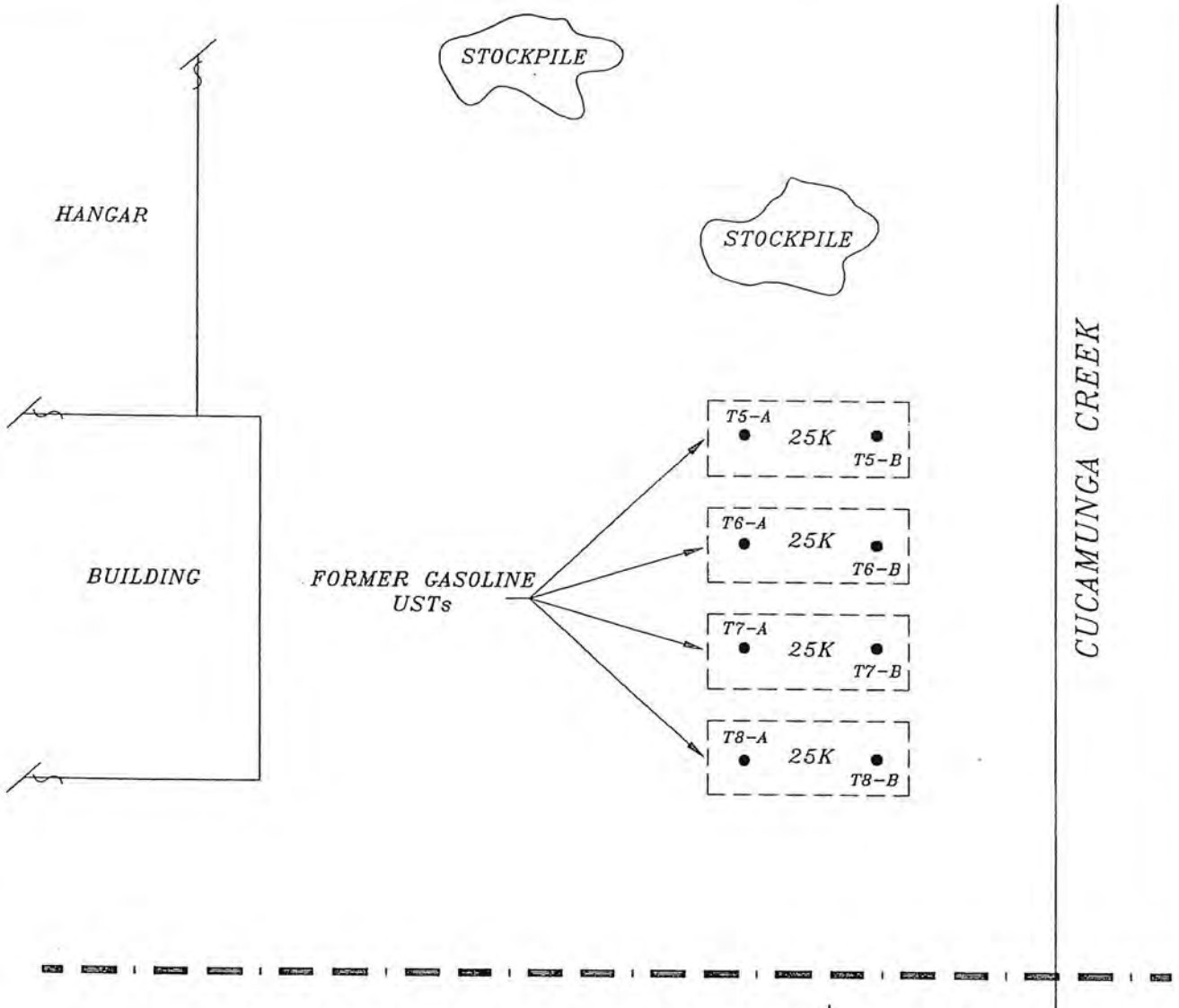
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ONTARIO, CALIFORNIA

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Fax: (818) 556-5059

DRAWN BY : O.S.	DATE : 12/08/94
CHECKED BY : A.M.	FIGURE : 1



LEGEND

● — SOIL SAMPLE LOCATION

T8-A — UNDERGROUND STORAGE TANK (UST)

SP-1-1 — STOCKPILE

— — · — — CHAIN LINK FENCE

— N —

TANKS 5-8

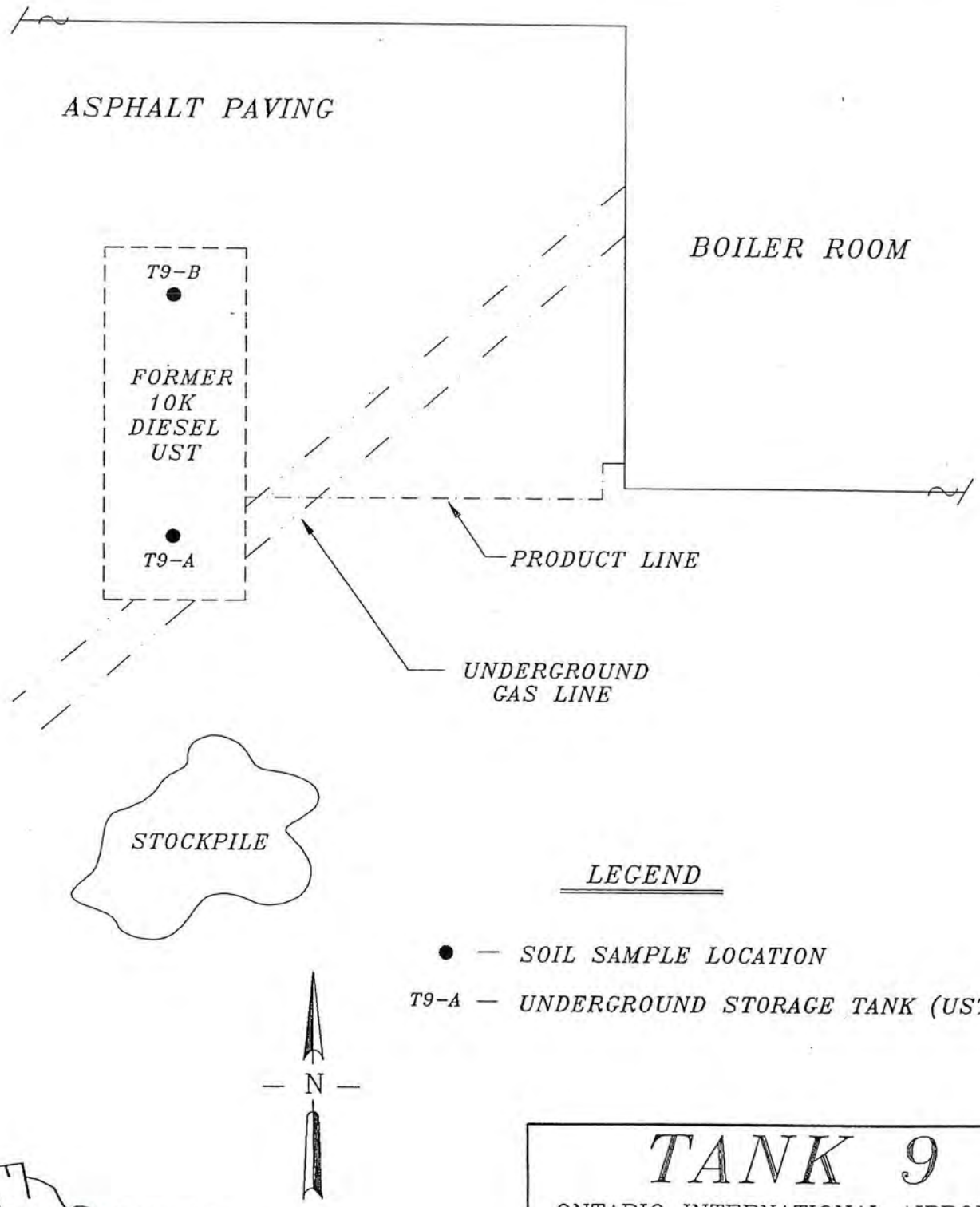
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Fax: (818) 556-5059

DRAWN BY : O.S.	DATE : 12/02/94
CHECKED BY : A.M.	FIGURE : 2



TANK 9

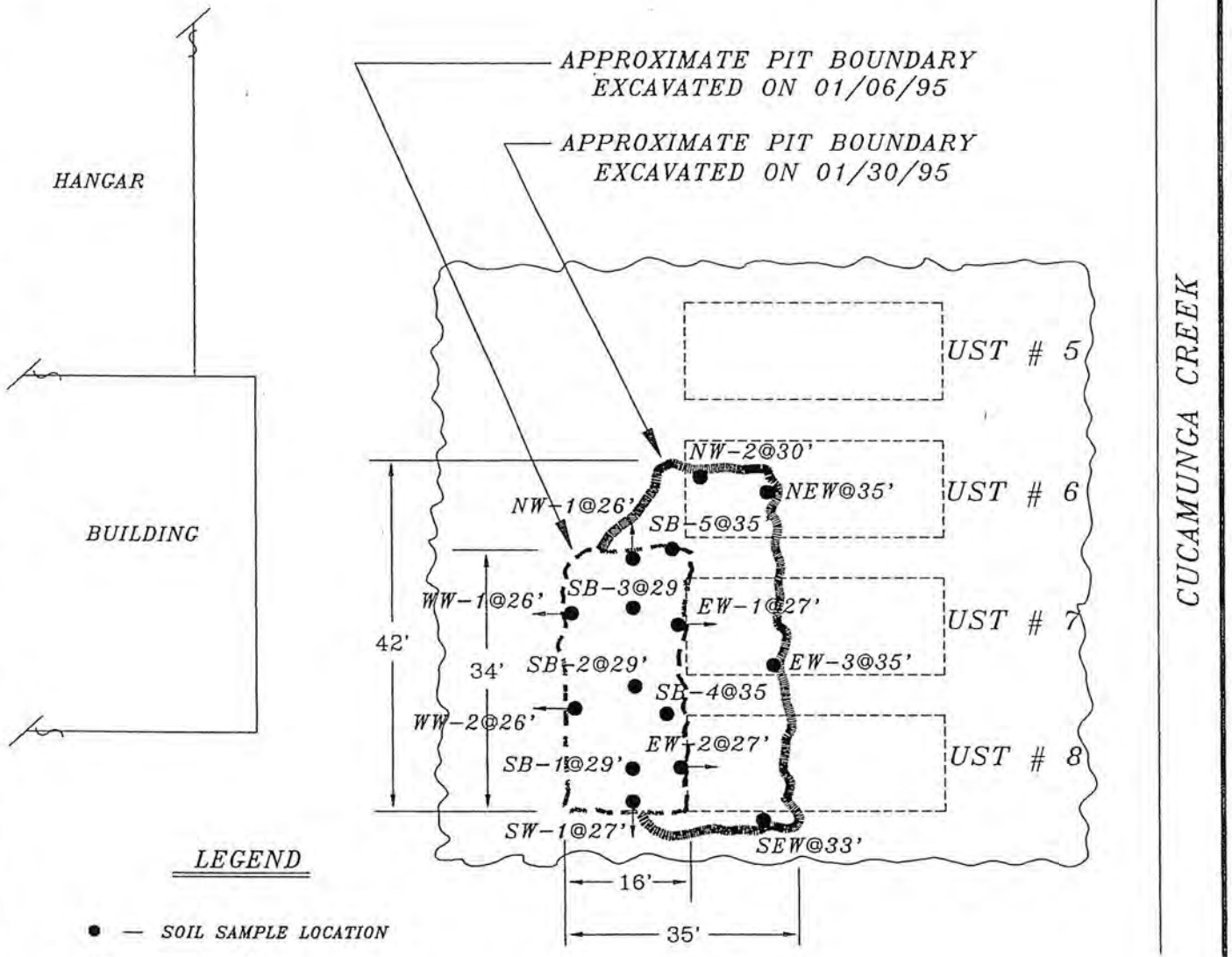
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ONTARIO, CALIFORNIA 91761

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Tel: (818) 556-5056
Fax: (818) 556-5059

	DRAWN BY : O.S.	DATE : 12/02/94
	CHECKED BY : A.M.	FIGURE : 3



EXCAVATED PIT & SAMPLE LOCATIONS

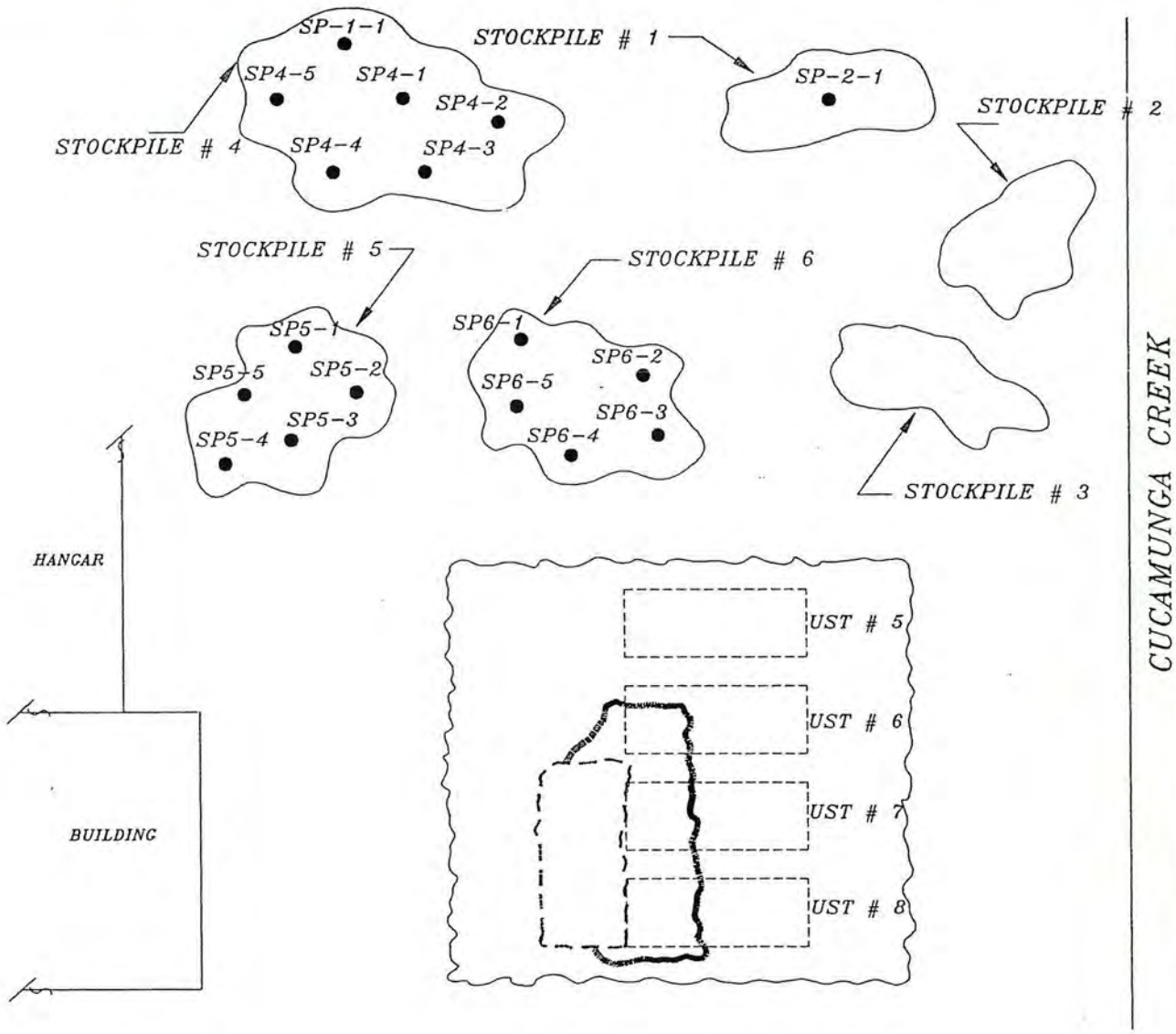
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Environmental Services, Inc.

1115 Chestnut Street
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Tel: (818) 556-5056
Fax: (818) 556-5059

DRAWN BY : O.S.	DATE : 02/10/95
CHECKED BY : A.M.	FIGURE : 4



LEGEND

● — *SOIL SAMPLE LOCATION*

NOT TO SCALE

— N —

SOIL STOCKPILE & SAMPLE LOCATIONS

ONTARIO INTERNATIONAL AIRPORT
ONTARIO, CALIFORNIA 91761

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DRAWN BY : O.S.	DATE : 02/10/95
CHECKED BY : A.M.	FIGURE : 5

EL CAPITAN
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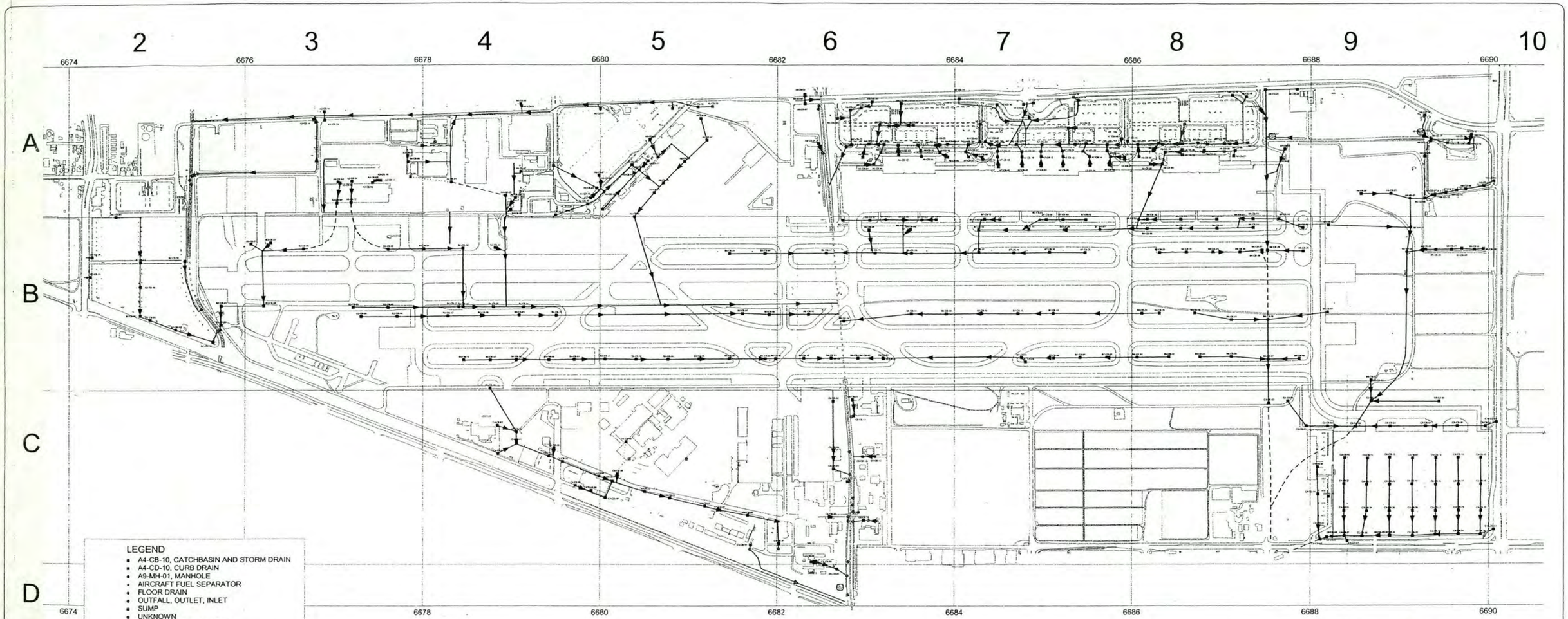
APPENDIX A

WATER DISPOSAL MANIFESTS

UST REMOVAL DOCUMENTATION PERMITS

RINSEATE DISPOSAL MANIFESTS

TANK DESTRUCTION CERTIFICATES



Ninyo & Moore

STORM DRAIN RELATED FEATURES

STORM DRAIN MAPPING
ONTARIO INTERNATIONAL AIRPORT
ONTARIO, CALIFORNIA

PROJECT NO.	DATE	
203193001	10/2001	FIGURE 2

CTL Environmental Services

PHASE I ENVIRONMENTAL SITE ASSESSMENT

of:

Former Air National Guard & Surrounding Area
Ontario, California



Prepared for

Los Angeles World Airports

CTL Project Number 601-0195
Reported : August 30, 2001

CTL Environmental Services 24404 South Vermont Avenue, Suite 307
Harbor City, CA 90710 (310) 530-5006 Fax (310) 530-0792

MEMORANDUM

Los Angeles World Airports

Date: October 5, 2001

Memo To: Jens O. Rivera, Airport Manager
Attn: Robin Rollins

From: Maurice Lahám, Airport Environmental Manager

Subject: **ONT – Former Air National Guard Hangar & Surrounding Area (2132 Avion Drive) – Phase 1 Environmental Site Assessment**

The Environmental Management Division (EMD) directed LAWA's consultant CTL Environmental Services to perform a Phase I Environmental Assessment on the above referenced site. An inspection of the Hangar and surrounding area was conducted on August 23, 2001 and a records review of all known hazardous databases was performed. The results are presented in the August 30, 2001 report (three copies attached) entitled, **"Phase I Environmental Site Assessment of Former Air National Guard & Surrounding Area Ontario, California."** Provided below is a summary of the investigation results and conclusions:

Findings

1. The military, Army Air Corps and the Air National Guard, utilized the site from the early 1940s through the mid-1980s. According to a U.S. Army Corps of Engineers (USACE) representative, an "Inventory Project Report" has been prepared for the site however, it has not been signed by headquarters and is therefore unavailable for review. The report reportedly would provide the most current accounting of activities at the site.

2. Six underground tanks have been associated with the site: four tanks at the former fueling pad and two tanks from the boiler units. Soil analysis results from 1994 identified only five USTs. The second UST near the boiler has not been accounted for. Elevated concentrations of Total Petroleum Hydrocarbons (TPH) and Benzene, Toluene, Ethyl Benzene & Xylenes (BTEX) were detected at the fueling pad.

3. The military utilized the site for aircraft repair/overhaul as well as aircraft washdown. A USACE report from March 1991, indicated the use of fuel, paint strippers, solvents, etc.

4. Prior to the 1970s, chemicals and washdown waters were discharged into dirt ditches that emptied into the unlined Cucamonga Creek. An oil/water separator was installed after 1970 when the Creek reportedly was channelized. Based on aerial photographs, the creek was lined between 1976 and 1980. Many of the drains at the site are connected to this separator which empties to the creek. A second washdown area is located at the west part of the site. It is unknown if the drain discharges into the separator, discharges to the storm drain system, or drains directly into the Creek.

5. A septic system and leach field is located south from the hangar. This system was used until the 1970s when a sanitary sewer system reportedly was installed.

6. A concrete pit is located inside the south part of the hangar. The use is unknown, but may have been used as a neutralization pit.

7. A munitions bunker has been located at the center part of the site since the 1950s. Three other bunker-type buildings also were present in this area from the 1950s to early 1970s.

8. Two unidentified buildings were located at the south part of the site from at least 1965 to the early 1970s. These buildings also may have been associated with repair/overhaul, as a military plane was noted next to the buildings in a 1965 aerial photograph.

9. An airport storm drain outlet is located in the fenced vehicle storage area at the center part of the site. A yellowish-green discharge, later identified as containing surfactants, and a heavy build-up of algae was noted at the outlet. Based on EMD's inspection of the outlet, it discharges into the Cucamonga Creek.

10. Two open dirt channels/ditches traverse the site. One runs along the south boundary of the site and reportedly receives surface runoff water from the south part of the airport. The other runs east/west along the south part of the site, north from the GE Test Center facility. Available maps show these channels/ditches discharge to the Cucamonga Creek.

11. Encorp's asbestos survey at the hangar identified asbestos in various floor tile/mastic, boiler insulation, thermal insulation, coating on the interior/exterior of corrugated walls, roofing material, and drywall mud. The majority of these materials were in poor to fair condition. Only the boiler and thermal insulation was identified as friable. LAWA has locked many of the hangar rooms and has placed an asbestos notification on the boiler room. Encorp recommended abatement and/or isolation of asbestos-containing materials.

12. Encorp's lead survey at the hangar identified lead throughout the building with some identified damaged materials. Encorp recommended "that at a minimum interim action measures" be taken for the damaged LBP. CTL found a sample number discrepancy in this section of their report.

13. Encorp's PCB and mercury survey identified PCB-containing light fixtures and suspect mercury-containing fluorescent lights at the hangar. Encorp recommend proper disposal of PCB and mercury-containing fixtures upon renovation or demolition activities.

14. The General Electric (G. E.) Test Cell facility, adjacent to the site on the east, has documented solvent-contaminated soil and groundwater. Three out of four soil areas have been successfully remediated. The RWQCB has identified G. E. as the Potentially Responsible Party (PRP) for the solvent plume that extends southwest from the facility about 8,000 feet.

Recommendations

1. Request status updates from the USACE regarding the release of the "Inventory Project Report." In addition to the areas of concern identified in CTL's conclusions, this report should provide a comprehensive accounting of activities at the site. EMD will request this report.

2. EMD has reviewed the sample number discrepancy identified in Encorps lead survey. Although there is a discrepancy in the starting number for the samples, the results as indicated in the body of the report appear correct.

3. Lead and Asbestos abatement is required for building rehabitation or demolition. The chance exists that additional suspect ACMs or lead-containing materials may be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed prior to any renovation and/or demolition activities which disturbs ACMs or lead-containing materials. If airborne lead levels are above OSHA requirements, additional monitoring and respiratory protection may be required as well as engineering controls such as containments and personal protective clothing.

4. Records of proper abandonment of the Underground Storage Tanks onsite were not located. EMD should investigate further with the San Bernardino County Fire Department.

5. The airport Industrial Storm Water Pollution Prevention Plan prohibits non-storm water discharges to the storm drain. EMD is investigating potential sources of the discharge.

6. The washracks, a wastewater clarifier associated with the east washrack, and a sump located inside the hangar should be properly abandoned. EMD has contracted CDM to further investigate storm drains at ONT, including those on the former CANG Hangar site. EMD will make this information available once the report is completed.

7. A copy of this memo should be attached to each copy of the Phase I report prepared by CTL.

Otherwise, no additional environmental investigation is recommended at this time.

Should you have any questions, please contact Steven Durkee or Gary Brown of my staff at 6-3853.

MZL:SGD:jpf

Enclosure

cc: R. Johnson
J. Romo
R. Millard
R. Marones

TABLE of CONTENTS

1.0 EXECUTIVE SUMMARY 1

2.0 INTRODUCTION 6

3.0 SITE DESCRIPTION 6

3.1 Location and Legal Description 6

3.2 Site and Vicinity Characteristics 6
3.2.1 General Setting 6
3.2.2 Geologic Setting 6
3.2.3 Hydrology 7

3.3 General Description of Structures/Improvements to Property 7

3.4 Specialized Knowledge 7

3.5 Current Usage of the Property 7

3.6 Current Usage of Adjacent Properties 7

4.0 RECORDS REVIEW 8

4.1 Historic Information 8
4.1.1 Site Records Review 8
4.1.2 Review of Historic Fire Insurance Maps 10
4.1.3 Review of Historic Topographic Maps 11
4.1.4 Review of Aerial Photographs 11

4.2 Standard Environmental Record Sources Review 13
4.2.1 National Priorities List (NPL) 13
4.2.2 State Superfund Sites 13
4.2.3 Corrective Actions (CORRACTS) Facilities 14
4.2.4 Treatment, Storage, and Disposal (TSD) Facilities 14
4.2.5 Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) 14
4.2.6 Landfill Sites 14
4.2.7 Leaking Underground Storage Tank (LUST) 15
4.2.8 CORTESE 15
4.2.9 CALSITES 16
4.2.10 Registered Underground and Aboveground Storage Tanks 16
4.2.11 RCRA Generators 16
4.2.12 Emergency Response Notification System of Spills (ERNS) 17

TABLE of CONTENTS

5.0 SITE INSPECTION 17

5.1 Site Description 17
5.1.1 Description of Property and Improvements 17
5.1.2 Mechanical Systems 17
5.1.3 Potable Water Supply 17
5.1.4 Wells 18
5.1.5 Wastewater 18
5.1.6 Pools of Liquid 18
5.1.7 Solid Waste Disposal 18
5.1.8 Ponds and Lagoons 18
5.1.9 Septic Systems 18
5.1.10 Pits 18
5.1.11 Floor Drains, Sumps, and Clarifiers 19
5.1.12 Storm Drains and Open Channels/Ditches 19

5.2 Storage of Chemicals or Hazardous Materials 19

5.3 Storage Tanks 20

5.4 Polychlorinated Biphenyls (PCBs) 20

5.5 Evidence of Environmental Concern 20
5.5.1 Stained Soil, Pavement, and Concrete 20
5.5.2 Stressed Vegetation 20
5.5.3 Drums 20
5.5.4 Air Quality 20

6.0 NON-CERCLA ISSUES 21

7.0 CONCLUSIONS AND RECOMMENDATIONS 25

7.1 Conclusions 25

7.2 Recommendations 27

8.0 SPECIAL TERMS AND CONDITIONS 27

8.1 Limitations and Exceptions of Assessment 27

8.2 Limiting Conditions and Methodology Used 27

TABLE of CONTENTS

9.0 STATEMENT OF INDEPENDENCE 28

10.0 STATEMENT OF QUALIFICATIONS 29

11.0 SIGNATORY 29

Appendices

Appendix A Assessor's Map, Site Map, Topographic Map

Appendix B Database Report

Appendix C Site Photographs

Appendix D Aerial Photographs

Appendix E Maps

Appendix F Reports

Appendix G References

1.0 EXECUTIVE SUMMARY

CTL Environmental Services (CTL) conducted a Phase I Site Assessment for the former California Air National Guard (CANG) facility, Ontario Airport, Ontario, California. The assessment was prepared for Los Angeles World Airports (LAWA) in August 2001. The purpose of the assessment was to identify potential environmental concerns associated with current and previous uses of the site and adjacent properties following the ASTM Standard Practice for Environmental Site Assessments E 1527.

Property Description

At the time of CTL's inspection on August 23, 2001, the northeast part of the site was occupied by an aircraft apron, former small building foundations, an aircraft wash rack, a two-story aircraft hangar with offices, a one-story fire vehicle storage building, a former aircraft fueling pad, a grassy area (identified as the septic system & leach field), and associated asphalt parking areas. The north center and northwest parts of the site were occupied by a former taxiway and dirt areas. A second wash rack was identified along the west boundary of the site. The center part of the site was occupied by a fenced area, containing a munitions bunker and vehicle storage lot, and a large asphalt pad. The south part of the site was occupied by undeveloped land. Two drainage ditches traverse east/west across the south part of the site. An airport storm water discharge drain is located in the fenced area. Avion Place crosses through the site.

Site History

Historical review indicates that the U.S. Army Air Corps was located at the Ontario Airport, including the site, from 1942 to 1947. The Air National Guard then occupied the site until the mid 1980s when ownership reverted to the City of Los Angeles.

Review of available U.S. Army Air Corps/Air National Guard records indicate that the military utilized the site for aircraft repair/overhauls. The northeast part of the site was occupied by a skeet range and bomb storage area in 1946. The existing hangar, fire station, fueling station, and wash rack were constructed in the mid-1950s over the skeet range. During the 1960s, a test cell building and electronic components buildings were built east of the apron. The existing munitions bunker also appears to have been constructed in the 1950s. Other buildings, which appeared to be munitions bunkers, were located in the vicinity of the existing bunker from as early as 1946 to the early 1970s. Two unidentified buildings were noted on the extreme south part of the site from at least 1965 to the early 1970s. An aircraft was noted near these buildings in a 1965 aerial photograph.

The munitions bunker was occupied by Lockheed in the 1990s for storage of ammunition and explosives. The hangar has been most recently occupied by the police department.

On-Site Issues

In assessing on-site concerns, CTL inspected and researched the site for evidence of the current and historical use, release, and/or storage of hazardous materials. Due to the military history at the site, detailed records of activities and operations at the site were limited. According to GillCarlo Gonzalez (USACE), an "Inventory Project Report" has been prepared for the site however, it has not been signed by headquarters and is therefore unavailable for review. Mr. Gonzales stated that this report would provide the most complete accounting of activities at the site.

Chemicals reportedly used at the site included fuel, paint strippers, solvents, etc. Prior to the early 1970s, the aircraft apron and wash rack rinse materials were routed through earth ditches into the Cucamonga Creek. In the 1970s, an oil/water separator and storm drains were installed and connected to the wash rack. The contents still discharged into the Cucamonga Creek which was concrete-lined sometime between 1976 and 1980. Buildings adjacent east from the apron (existing building foundations only) were used for aircraft radar and jeep radio component overhauls. Drains from these buildings also connected to the oil/water separator. An engine test cell, located at the northeast corner of the apron, was used to hot test aircraft engines.

An airport storm drain outlet is located in the fenced vehicle storage area at the center part of the site. A yellowish-green discharge (appeared to be antifreeze) and a heavy build-up of algae was noted at the outlet. Based on available maps, the outlet discharges to the sanitary sewers. The drain runs past the airport maintenance area and the General Electric Facility (northwest from the site) and through the airport runways.

Two open dirt channels/ditches traverse the site. One runs along the south boundary of the site and reportedly receives surface runoff water from the south part of the airport. The other runs east/west along the south part of the site, north from the GE Test Cell facility.

A septic system and leach field are located south from the hangar. This system reportedly was abandoned in the early 1970s when a sewer system was installed.

Past reports have identified six USTs at the site; four USTs in the fueling area and two USTs associated with the boiler. There is discrepancy in the contents of the tanks. A previous consultant identified the tanks and contents as four 25,000-gallon soda water (installed 1963); one 12,000-gallon stove oil (contents unknown; installed possibly 1962), and one 12,000-gallon (contents & installation date unknown). USACE maps identify the contents as JP4 jet fuel and diesel. In 1994, soil analysis for four "former" 25,000-gallon gasoline USTs at the fueling pad and one "former" 10,000-gallon diesel UST near the boiler showed elevated concentrations of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylene at the fueling pad. Records of the removal or soil sampling for the assumed remaining UST was not located by LAWA or CTL through the file searches. Additionally, reports concerning the remediation of the contamination was not found.

Located in the rear room of the hangar was a covered concrete-lined pit that measured approximately 3′ x 25′ x 20′. A metal ladder extended down into the pit. Based on CTL's prior experience, this may be a neutralization pit (e.g., batteries). Murky water, depth unknown, was observed in the bottom of the pit.

Off-Site Issues

There are three monitoring wells located on the site. One well is located west from the adjacent GE facility in an undeveloped area and the other two wells are located on Avion Place, north from the GE facility. The most recent monitoring results from January 2001 indicate that a solvent plume extends southwest from the GE facility, encompassing the south part of the site, for approximately 8,000 feet. According to Mr. Kamron Saremi, RWQCB, the contamination has been traced to the GE facility and that GE has been identified as the responsible party for this plume.

The US Air Force/Air National Guard have occupied adjacent facilities. Reports indicate that they have acted as a responsible party for cleanup activities.

Non-CERCLA Issues

A "Hazardous Materials Survey Report" was conducted at the site hangar in January 1997 by Encorp (Culver City, CA). The report addressed asbestos-containing materials (ACMs), lead-based paint (LBP), polychlorinated biphenyls (PCBs), and mercury. Discrepancies noted by CTL in the LBP section are that the sample numbers reported in the Analytical Results and the Lead-Based Paint Worksheet (technician personal notes) are not the same as reported in the Map 4 Scitec XRF Data Findings. An error in the sample number appears to have occurred in documenting the very first reading.

Encorp identified asbestos in various floor tile/mastic, boiler insulation, thermal insulation, coating on interior/exterior of corrugated walls, roofing material, and drywall mud throughout the hangar building. The majority of these materials were in poor to fair condition. Only the boiler and thermal insulation was identified as friable. LAWA has locked many of the hangar rooms and has placed an asbestos notification on the boiler room. Encorp recommended abatement and/or isolation of asbestos-containing materials.

Encorp identified lead throughout the hangar building with some materials noted as damaged. Encorp recommended "that at a minimum interim action measures" be taken for the damaged LBP.

Encorp identified PCB-containing light fixtures and suspect mercury-containing fluorescent lights at the hangar. Encorp recommended action upon renovation or demolition activities.

Conclusions

Based on CTL's investigation, this assessment has revealed no evidence of recognized environmental conditions in connection with the site except for the following:

- The site was utilized by the military, Army Air Corps and the Air National Guard, from the early 1940s through the mid 1980s. According to a USACE representative, an "Inventory Project Report" has been prepared for the site however, it has not been signed by headquarters and is therefore unavailable for review. The report reportedly would provide the most complete accounting of activities at the site.

- Six underground tanks have been associated with the site: four tanks at the former fueling pad and two tanks for the boiler units. Soil analysis results from 1994 identified only five USTs. The second UST near the boiler has not been unaccounted for. Elevated concentrations of TPH and BTEX were detected at the fueling pad.

- The military utilized the site for aircraft repair/overhaul as well as aircraft washdown. A USACE report from March 1991, indicated the use of fuel, paint strippers, solvents, etc.

- Prior to 1970s, chemicals and washdown waters were discharged into dirt ditches that emptied into the unlined Cucamonga Creek. An oil/water separator was installed after 1970 when the Creek reportedly was channelized. Based on aerial photographs, the creek was lined between 1976 and 1980. Many of the drains at the site are connected to this separator which empties to the creek. A second washdown area is located at the west part of the site. It is unknown if the drain discharges into the separator, discharges to the storm drain system, or drains directly into the Creek.

- A septic system and leach field is located south from the hangar. This system was used until the 1970s when a sanitary sewer system reportedly was installed.

- A concrete pit is located inside the south part of the hangar. The use is unknown, but may have been used as a neutralization pit.

- A munitions bunker has been located at the center part of the site since the 1950s. Three other bunker-type buildings also were present in this area from the 1950s to early 1970s.

- Two unidentified buildings were located at the south part of the site from at least 1965 to the early 1970s. These buildings also may have been associated with repair/overhaul as a military plane was noted next to the buildings in a 1965 aerial photograph.

- An airport storm drain outlet is located in the fenced vehicle storage area at the center part of the site. A yellowish-green discharge (appeared to be antifreeze) and a heavy build-up of algae was noted at the outlet. Based on available maps, the outlet discharges to the sanitary sewers. The drain runs past the airport maintenance area and the General Electric Facility and through the airport runways.

- Two open dirt channels/ditches traverse the site. One runs along the south boundary of the site and reportedly receives surface runoff water from the south part of the airport. The other runs east/west along the south part of the site, north from the GE Test Cell facility. Available maps show these channels/ditches discharge to the Cucamonga Creek.

- Encorp's asbestos survey at the hangar identified asbestos in various floor tile/mastic, boiler insulation, thermal insulation, coating on interior/exterior of corrugated walls, roofing material, and drywall mud. The majority of these materials were in poor to fair condition. Only the boiler and thermal insulation was identified as friable. LAWA has locked many of the hangar rooms and has placed an asbestos notification on the boiler room. Encorp recommended abatement and/or isolation of asbestos-containing materials.

- Encorp's lead survey at the hangar identified lead throughout the building with some identified damaged materials. Encorp recommended "that at a minimum interim action measures" be taken for the damaged LBP. Note: CTL found a sample number discrepancy in this section of their report.

- Encorp's PCB and mercury survey identified PCB-containing light fixtures and suspect mercury-containing fluorescent lights at the hangar. Encorp recommended action upon renovation or demolition activities.

- GE Test Cell facility, adjacent to the site on the east, has documented solvent-contaminated soil and groundwater. Three out of four soil areas have been sucessfully remediated. The RWQCB has identified GE as the PRP for the solvent plume that extends southwest from the facility about 8,000 feet.

Recommendations

- Request status updates from the USACE regarding the release of the "Inventory Project Report." In addition to the areas of concern identified in CTL's conclusions, this report should provide a comprehensive accounting of activities at the site.

- LAWA should request clarification from Encorp for the sample number discrepancy in their lead survey.

- The chance exists that additional suspect ACMs or lead-containing materials may be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed prior to any renovation and/or demolition activities that disturbs the ACM or lead-containing materials. If airborne lead levels are above OSHA requirements, additional monitoring and respiratory protection may be required as well as engineering controls such as containments and personal protective clothing.

2.0 INTRODUCTION

CTL Environmental Services (CTL) conducted a Phase I Site Assessment for the former California Air National Guard (CANG) facility, Ontario Airport, Ontario, California. The assessment was prepared for Los Angeles World Airports (LAWA) in August 2001. The purpose of the assessment was to identify potential environmental concerns associated with current and previous uses of the site and adjacent properties following the ASTM Standard Practice for Environmental Site Assessments E 1527.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The site is located north of Mission Boulevard and east from the Cucamonga Creek, in the City of Ontario, County of San Bernardino, California. The subject site can be found on the Guasti Quadrangle (Topographic Map, 1966 Photorevised 1981) in Section 27, Township 1 South, Range 7 West. The site is located at approximate West Longitude 117° 36′ and approximate North Latitude 34° 03′. The site also is depicted as Parcels 7, 8, and a section of Parcel 6 on page 26 and as Parcels 1 and 19 on page 27 in the San Bernardino County Assessor's Mapbook Number 113. The assessor's parcel map and topographic map are reproduced in Appendix A.

3.2 Site and Vicinity Characteristics

Properties in the vicinity of the subject site are commercial and residential. See Section 3.6 for detailed site vicinity description.

3.2.1 General Setting

The site is approximately 900 feet above mean sea level (USGS Topographic Map). The site topography is flat with regional topography generally sloping downward to the south.

The site is located at the southwest part of the Ontario Airport. Major geographic features within the site vicinity include the Cucamonga Creek, located adjacent to the site on the east and the San Bernardino (10) Freeway, located approximately 1.0 mile north from the site.

3.2.2 Geologic Setting

A soil boring log from the adjacent GE Test Cell Facility generally showed silty sand to 10 feet below ground surface (bgs), sand to 25 feet bgs, sand to gravel to 35 feet bgs, silty sand to 60 feet bgs, sand to 90 feet bgs, sand to gravel to 95 feet bgs, sand with some silt to 100 feet bgs, and sand to 110 feet bgs. (Dames & Moore; GEAE Test Cell Facility; 3/96).

3.2.3 Hydrology

The site is located in the Chino Basin. Groundwater information from the City of Ontario and reports from nearby contaminated facilities indicate that groundwater is in excess of 250 feet below ground surface and flows to the south/southwest.

3.3 General Description of Structures/Improvements to Property

At the time of CTL's inspection on August 23, 2001, the northeast part of the site was occupied by an aircraft apron, former small building foundations, an aircraft wash rack, a two-story aircraft hangar with offices, a one-story fire vehicle storage building, a former aircraft fueling pad, a grassy area (identified as the septic system & leach field), and associated asphalt parking areas. The north center and northwest parts of the site were occupied by a former taxiway and dirt areas. A second wash rack was identified along the west boundary of the site. The center part of the site was occupied by a fenced area, containing a munitions bunker and vehicle storage lot, and a large asphalt pad. The south part of the site was occupied by undeveloped land. Two drainage ditches traverse east/west across the south part of the site. An airport storm water discharge drain is located in the fenced area. Avion Place crosses through the site. A site and vicinity map is provided in Appendix A.

3.4 Specialized Knowledge

No specialized knowledge or experience that is material to recognized environmental conditions in connection with the property has been reported to CTL.

3.5 Current Usage of the Property

At the time of CTL's investigation, the airport stored abandoned cars and broken airport vehicles in the fenced area and stored emergency fire equipment in the former fire station. The munitions bunker and aircraft hangar were vacant.

3.6 Current Usage of Adjacent Properties

CTL conducted a reconnaissance of properties adjacent to the site to evaluate their actual or potential impact to the site. Surrounding businesses/properties are as follows:

North:	Airport Taxiways
South:	Railroad spurs with East Mission Blvd and warehouse/offices beyond
East:	GE Test Cell facility, Across Cucamonga Creek – Former Air National Guard, Control Tower, Airport Safety offices
West:	LAWA Maintenance facility, aircraft hangars

4.0 RECORDS REVIEW

Several local and State regulatory agencies were contacted by CTL to obtain information in regard to previous land use (s), structures, underground tanks/pipelines, and any other information pertinent to the site. The findings are summarized below.

4.1 Historic Information

Historical review indicates that the U.S. Army Air Corps was located at the Ontario Airport, including the site, from 1942 to 1947. The Air National Guard then occupied the site until the mid 1980s when ownership reverted to the City of Los Angeles.

Review of available U.S. Army Air Corps/Air National Guard records indicate that the military utilized the site for aircraft repair/overhauls. The northeast part of the site was occupied by a skeet range and bomb storage area in 1946. The existing hangar, fire station, fueling station, and wash rack were constructed in the mid-1950s over the skeet range. During the 1960s, a test cell building and electronic components buildings were built east of the apron. The existing munitions bunker also appears to have been constructed in the 1950s. Other buildings, which appeared to be munitions bunkers, were located in the vicinity of the existing bunker from as early as 1946 to the early 1970s. Two unidentified buildings were noted on the extreme south part of the site from at least 1965 to the early 1970s. An aircraft was noted near these buildings in a 1965 aerial photograph.

The munitions bunker was occupied by Lockheed in the 1990s for storage of ammunition and explosives. The hangar has been most recently occupied by the police department.

4.1.1 Site Records Review

CTL visited the City of Ontario Building Department to obtain site records. Building permits associated with the on-site structures were not found.

Information pertaining to site history/activities were collected from the County of San Bernardino Fire Department, United States Army Corps of Engineers (USACE), the internet (CANG websites), and LAWA. According to GillCarlo Gonzalez (USACE), an "Inventory Project Report" has been prepared for the site however, it has not been signed by headquarters and is therefore unavailable for review. Mr. Gonzales stated that this report would provide the most complete accounting of activities at the site. The information summarized in the following paragraphs pertains to the 27.41 acres of the site formerly occupied by the National Guard Training Site (NGTS) unless otherwise noted. Maps and reports are presented in Appendices E & F, respectively.

Maps

February 1946 – The north part of the site (27.41 acre) was occupied by a skeet range and three unidentified buildings (possibly bomb storage or munitions storage based on reports). The west center part of the site (southwest from the 27.41 acre parcel) was occupied by numerous small, unidentifiable buildings (possibly munitions bunkers).

Late 1950s – The site was occupied by the existing hangar, the crash/fire station, an aircraft fuel system (east from the hangar), and an aircraft wash rack.

1961 - The site was occupied by the existing hangar, the crash/fire station, an aircraft fuel system (east from the hangar), and an aircraft wash rack. An aircraft parking apron was located north from the hangar.

August 15, 1991 - The site was occupied by the existing hangar with an addition to the southwest corner, the fire station, an aircraft fueling area (east from the hangar), an aircraft wash rack, a munitions pad, electrical component shop, the aircraft apron, and an engine test cell building (NE corner). Diesel tanks were noted near the boiler room at the south end of the hangar and JP-4 tanks were noted in the fueling area. A septic tank and a leach field were designated adjacent to the south of the fueling area.

Reports

July 1988 – "Phase I Environmental Audit Final Report" prepared by Camp Dresser & McKee (CDM). Areas of possible contamination identified included USTs, dump (unknown materials disposed of in airport property), wash racks (unknown materials discharged), septic tanks, old fire fighter drill pit. A grease and wash rack at the motor and truck repair facility located at the Lockheed Air Terminal (LAT) maintenance yard may have discharged into an open channel (that flows east-west across the site) and into the Cucamonga Creek. Six USTs identified at the site included: four 25,000-gallon soda water (installed 1963); one 12,000-gallon stove oil (contents unknown; installed possibly 1962), one 12,000-gallon (contents & installation date unknown).

May 1990 – "Summary Trip Report." The site hangar is designated as Building No. 8. Two abandoned heating oil tanks are located outside of the boiler room. Four 25,000-gallon tanks are located east from the building. Two of the tanks contain a pickled sodium hydroxide solution. The contents of the other two tanks were not reported. The tanks were scheduled for removal by the airport.

March 1991 - "Site Visit DERP Preliminary Assessment National Guard Training Site..." Reportedly, fuel, paint strippers, solvents, etc. were discharged through the wash rack to the Cucamonga Creek. Prior to the early 1970s, earth ditches drained the aircraft apron and wash rack to the Creek. Post 1970, an oil/water separator and storm drains were connected to the wash rack; the Creek also was channelized at that time. Buildings adjacent east of the apron were used for aircraft radar and jeep radio component overhauls. Drains from these buildings also connected to the oil/water separator. An engine test cell, located at the northeast corner of the apron, was used to hot test aircraft engines. The septic tank and leach field reportedly were abandoned in the early 1970s and a sewer system was installed. It was reported that wells south from the airport were contaminated with solvents. The USACE was drafting a Preliminary Assessment for the site which would recommend removal of on-site USTs and remedial investigation of site areas with potential solvent-contaminated soil/groundwater. LAWAs consultant at the time, CDM, indicated to the USACE that LAWA would have the USTs removed. General Electric, Aerojet, Lockheed, and General Dynamics were noted as Potential Responsible Parties at the airport. An earth channel that conveys storm water from the majority of the south part of the airport, including runways and an industrial park where Lockheed and GE were located, was noted to run along the south border of the airport and intersect with the Creek.

August 31, 1995 – Project Fact Sheet. The site formerly was used by the Air National Guard that included a skeet range (currently covered by runway/taxiway) and bomb storage areas.

December 1994 – Analytical soil results for USTs located at the former fueling pad and near the boiler room. Four "Former" 25,000-gallon gasoline USTs, identified as Tanks 5-8, were mapped at the fueling pad. Soil results showed elevated concentrations of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylene (BTEX). One "Former" 10,000-gallon diesel UST was mapped just west from the boiler room. Soil result were non detect for TPH and BTEX. Note: This reports accounts for five USTs. Based on the other reports, there is another UST in the vicinity of the boiler.

4.1.2 Review of Historic Fire Insurance Maps

Fire Insurance maps from the City of Ontario Library were reviewed for the site and adjacent properties. Maps that included the site were not found.

4.1.3 Review of Historic Topographic Maps

Maps are presented in Appendix E.

- The 1953 map did not show any structures at the subject site to be undeveloped. The existing railroad spurs, adjacent to the south, and the Cucamonga Creek, adjacent to the east, were noted. The Ontario Airport was developed northwest from the site. The California Air National Guard (CANG) was adjacent to the east, across the Cucamonga Creek and to the south.

- The 1966 map showed the existing site hangar and fire station. The north part of the site appeared to be a taxiway onto the Ontario Airport. The airport had expanded to the east and was further developed with buildings. Additional buildings were observed at the CANG facility.

- The 1966 map photorevised 1973 showed a small building northeast from the existing hangar. The remainder of the site appeared unchanged. Buildings were noted at the adjacent GE facility and CANG.

- The 1966 map photorevised 1981 showed no changes from the 1973 map.

4.1.4 Review of Aerial Photographs

Aerial photographs from LAWA, Continental Aerial, the City of Ontario Planning Department, and the City of Ontario Main Library were reviewed for evidence of hazardous materials and features that may have impacted the subject property. These features included, but were not limited to, landfills, ponds, pits, aboveground storage tanks, lagoons, exterior storage of hazardous materials, and general land use. Specific observations are presented below by photographic date. Available photographs are presented in Appendix D.

- The site appeared to be undeveloped in 1949. The airport was noted northwest from the site. The Cucamonga Creek was adjacent east from the site. The surrounding area, with the exception of the airport, was a mix of undeveloped land and orchards.

- The 1959 photograph showed the 24.71 acres section of the site to be occupied by, from north to south, the aircraft apron, the wash rack, the fire station, the hangar, the fueling pad, and a grass area (location of the septic tank and leach field). The site area adjacent to the west was occupied by a taxiway and grass area. The site area south from Avion Place was occupied by four small buildings and undeveloped land. The CANG buildings were observed east and south from the site. The airport had extended their runways further to the east.

- The 1965 photograph showed the addition of a small building at the northeast corner of the aircraft apron (engine test cell building), two buildings at the southeast corner of the apron (electrical components), and two small buildings and a plane at the extreme south part of the site along Mission Boulevard. Other changes at the site were not apparent. The airport facilities were expanding to the south and further east.

- The 1967 photograph showed a funnel-shaped pad at the northeast area of the apron. The base of the pad abutted the adjacent Cucamonga Creek that was observed to be unlined. Numerous small storage units/sheds were noted along the east side of the site. An unlined east/west channel was noted across the south part of the site.

- The 1970 photograph showed no apparent changes at the site.

- The 1974 photograph showed the two buildings at the south part of the site to be gone. Only one of the four buildings were noted at the site area south from Avion Drive. This appears to be the existing munitions bunker.

- The 1976 photograph showed an additional building at the southeast corner of the aircraft apron. Many of the small sheds at the east side of the site were gone. A tall barricade was observed at the base of the funnel-shaped pad. The Creek remained unlined.

- The 1980 photograph showed the airport property north from the site to be under grading operations. The Creek appeared to be lined. Other changes at the site or in the surrounding area were not apparent.

- The 1986 photograph showed no military activity at the site.

- The 1994 photograph showed the buildings at the east side of the site to be gone. Four pump islands were still noted in the former fueling area.

4.2 Standard Environmental Record Sources Review

Regulatory information was compiled by VISTA Environmental Information (VISTA; Herndon, Virginia). The report included the Federal NPL, TSD, RCRA Transporters, CERCLIS, CORRACTS, RCRA Generators, and ERNS lists and the State SWLF, LUST, Cortese, CALSITES, Registered UST, and AWP lists. The complete Vista report is reproduced in Appendix B.

Many of the listed facilities reported on "Ontario Airport" are listed as adjacent facilities. These facilities maybe further away than reported. CTL has adjusted some of the distances/directions based upon maps and historical information.

4.2.1 National Priorities List (NPL)

The United States Environmental Protection Agency's (US EPA's) NPL was reviewed to ascertain if known "hazardous waste" facilities that have been targeted for cleanup under Superfund are located within a 1.0 mile radius from the site. **No facilities were listed.**

4.2.2 State Superfund Sites

The California Environmental Protection Agency's (Cal EPA's) Department of Toxic Substance Control (DTSC) List of Annual Workplan Sites was reviewed to ascertain if known contaminated properties which are designated by the State for remediation, are within a 1.0-mile radius from the site. **One facility was listed.**

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Status
General Electric Co. 2264 Avion Drive	Adjacent to east[1]	Crossgradient	See following paragraph.

[1]Based on CTL's research

GE has been actively treating contaminated soil through an extraction system. Three out of four contaminated areas have been successfully remediated. Earth Tech completed the most recent groundwater monitoring results in January 2001. The results indicate that a solvent plume extends southwest from the GE facility, encompassing the south part of the site, for approximately 8,000 feet.

According to Mr. Kamron Saremi, RWQCB, the contamination has been traced to GE facility and that GE has been identified as the responsible party for this plume.

4.2.3 Corrective Actions (CORRACTS) Facilities

US EPA's Resource Conservation Recovery Act (RCRA) Corrective Actions (CORRACTS) facilities list was researched for facilities within a 1.0-mile radius from the site. **One facility was listed.**

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Status
GE Co. Engine W. Coast Ops. 1923 E. Avion	0.16 mile west	Crossgradient	Low corrective action priority Reports indicate that soil contamination is being remediated.

Based on the status, distance, and/or direction of this facility, it is not a present risk to impact the subject site.

4.2.4 Treatment, Storage, and Disposal (TSD) Facilities

US EPA's Resource Conservation Recovery Act (RCRA) NON-CORRACTS TSD facilities list was researched for facilities within a 0.5-mile radius from the site. **No facilities were listed.**

4.2.5 Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

The US EPA's CERCLIS list was researched for facilities which are either proposed to be included, or are on the NPL list and for facilities in the screening and assessment phase for possible incorporation on the NPL within a 0.5- mile radius from the site. **Three facilities were listed.**

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Status
Pacific Airmotive Ontario Airport	Over 0.10 mile[1]	NA	No Further Remedial Action Planned (NFRAP)
GE Aviation Services 1932 E. Avion Ave.	0.16 mile west	Crossgradient	No Further Remedial Action Planned (NFRAP)
Power Flow Battery 5312 Mission Blvd.	0.12 mile south	Downgradient	No Further Remedial Action Planned (NFRAP)

[1]Based on CTL's research

Based on the status, distance, and/or direction of these facilities, they are not a present risk to impact the subject site.

4.2.6 Landfill Sites

The State, County, and Regional lists for solid waste, landfills, and transfer stations facilities were researched within a 0.5-mile radius from the site. **No facilities were reported.**

4.2.7 Leaking Underground Storage Tank (LUST)

The Regional Water Quality Control Board's (RWQCB's) list of leaking underground tanks was researched to identify facilities that had leaking underground storage tanks within a 0.5-mile radius from the site. **Six facilities were reported.**

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Impacted Media	Status
Avis Ontario Airport	0.75 mile north[1]	Crossgradient	Soil	Case Closed
Lockheed 2411 Ontario Airport	0.50 mile north[1]	Crossgradient	Soil	Case Closed
Lockheed Air Terminal 988 Ontario Airport	0.50 mile north[1]	Crossgradient	Soil	Case Closed
CA Air Nat'l Guard Taxiway 62	0.2 mile north	Crossgradient	Soil	Case Closed
Fluor 1150 Vineyard	0.35 mile west	Crossgradient	Soil	Case Closed
GE Test Cell 2264 Avion	Adjacent south & east	Crossgradient	Aquifer	Plume identified with GE named as a PRP. See 4.2.2

[1]Based on CTL's research

Based on the status, distance/direction, and/or impacted media of the first five facilities, they are not a present risk to impact the site. GE has impacted the groundwater beneath the site.

4.2.8 CORTESE

The State CORTESE database, maintained by the State Office of Planning and Research, was researched to locate contaminated properties within a 0.5-mile radius from the site. Two facilities, Lockheed and GE, also listed on the LUST list, were reported.

Based on the status, distance and/or direction of Lockheed, as reported in Section 4.2.7, it is not a present risk to impact the site. GE is a PRP for groundwater contamination that extends beneath the site.

4.2.9 CALSITES

The Cal EPA DTSC's CALSITES list was reviewed for facilities within a 0.5-mile radius from the site. **Three facilities were reported.**

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Status
Air National Guard 2500 Jurupa St.	Adjacent to east	Crossgradient	Certified (i.e., no further action)
Pacific Airmotive Ontario Airport	Over 0.10 mile[1]	Crossgradient	Referred to Other Agency – A listed CERCLIS facility with a NFRAP status
Power Flow Battery 5312 Mission Blvd.	0.12 mile south	Downgradient	Referred to Other Agency – A listed CERCLIS facility with a NFRAP status

Based on the status, distance, and/or direction of these facilities, they are not a present risk to impact the subject site.

4.2.10 Registered Underground and Aboveground Storage Tanks

The State Water Resource Control Board's (SWRCB's) list of registered underground and aboveground storage tanks was researched for the site and contiguous/adjacent properties. **Three facilities were listed.**

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Status
Mercury Air 2161 Avion	Adjacent west	Crossgradient	# of tanks not listed No violations reported
Beechcraft West 2161 Avion	Adjacent west	Crossgradient	7 USTs listed No violations reported
CANG 2500 Jurupa	Adjacent east	Crossgradient	7 USTs listed A Calsites Certified facility

Based on the status, distance, and/or direction of these facilities, they are not a present risk to impact the subject site.

4.2.11 RCRA Generators

The US EPA RCRA list of large and small quantity generators was researched for site and contiguous/adjacent facilities. **Two facilities were listed.**

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Status
USAF Air National Guard	Adjacent to east	Crossgradient	Small/Large Quantity Generator
GE Engine 2264 Avion	Adjacent to east	Crossgradient	Large Quantity Generator

USAF, also identified as CANG, is a Calsites Certified facility. GE is a PRP for groundwater contamination that extends beneath the site.

4.2.12 Emergency Response Notification System of Spills (ERNS)

The US EPA's ERNS list was reviewed for the site. **The site was not listed.**

5.0 SITE INSPECTION

The site was inspected on August 23, 2001 by CTL employee Constance Allen, Project Manager. Ms. Allen was guided through the site by Mr. Steven Durkee, LAWA. Site photographs are reproduced in Appendix C.

5.1 Site Description

5.1.1 Description of Property and Improvements

At the time of CTL's inspection, the northeast part of the site was occupied by an aircraft apron, former small building foundations, a staging area previously used to wash aircraft, a two-story aircraft hangar with offices, a one-story emergency fire department equipment storage building, a former aircraft fueling pad, a grassy area, and associated asphalt parking areas. The north center and northwest parts of the site were occupied by a former taxiway and dirt areas. The center part of the site was occupied by a fenced area, containing a munitions bunker and vehicle storage lot, and a large asphalt pad. The south part of the site was occupied by undeveloped land. Two drainage ditches traverse east/west across the south part of the site. An airport storm water discharge drain is located in the fenced area. Avion Place crosses through the site.

A map for the emergency fire department equipment storage building showed that the building previously was occupied by a bay area, an oil room, a kitchen, "A/C Maintenance," avionics, and offices.

The hangar consists of first and second floor rooms located around the perimeter, a shop area extending from the southwest corner of the hangar, and an exterior boiler room.

5.1.2 Mechanical Systems

The boiler room and many of the other hangar rooms were inaccessible at the time of CTL's investigation due to asbestos issues. No equipment was noted in the areas inspected.

5.1.3 Potable Water Supply

Water is supplied to the site by the City of Ontario. The most recent Annual Water Quality Report, dated 2000, documented that all water supplies meet or exceed State and Federal standards for drinking water quality.

5.1.4 Wells

Based on a plot map in a December 1995 Quarterly Groundwater Monitoring Report prepared by Dames & Moore, there are three monitoring wells located on the site. Two wells are located on Avion Place, north from the adjacent GE facility and the other is located west from the GE facility in an undeveloped area. Earth Tech completed the most recent monitoring results in January 2001. The results indicate that a solvent plume extends southwest from the GE facility, encompassing the south part of the site, for approximately 8,000 feet. According to Mr. Kamron Saremi, RWQCB, the contamination has been traced to the GE facility and that GE has been identified as the responsible party for this plume.

5.1.5 Wastewater

General wastewater from the hangar and fire building most likely discharged to the septic system/sewer system located south from the hangar. Also see Section 5.1.10.

5.1.6 Pools of Liquid

Pools of liquid were not observed by CTL at the site.

5.1.7 Solid Waste Disposal

There is no current trash collection at the site. CTL did not observe any areas of unauthorized dumping.

5.1.8 Ponds and Lagoons

Pits, ponds or lagoons were not observed at the site during the field investigation.

5.1.9 Septic Systems

A septic system was identified in the grassy area south from the hangar. This system reportedly was abandoned in the 1970s and a sanitary sewer system was installed. Available documents did not indicate that hazardous materials were discharged to the septic system.

5.1.10 Pits

Located in the rear room of the hangar was a covered concrete-lined pit that measured approximately 3′ x 25′ x 20′. A metal ladder extended down into the pit. Based on CTL's prior experience, this may be a neutralization pit (e.g., batteries). Murky water, depth unknown, was observed in the bottom of the pit.

5.1.11 Floor Drains, Sumps, and Clarifiers

Long grated floor drains for surface waters were located at roll-up door to the fire station building, the sliding doors at the entrance to the hangar, and in the center of the hangar. A floor drain also was noted in the fire station. It is unknown where this drain discharges.

A two-stage clarifier (oil/water separator) is located northeast from the hangar. Water from the aircraft apron, wash rack, and drains from former buildings adjacent east of the apron, reportedly discharged to the separator. A wash rack also was observed on the east side of the site. The outlet of this drain is unknown but may connect to the storm drain system that discharges to the separator or directly to the Cucamonga Creek.

5.1.12 Storm Drains and Open Channels/Ditches

An airport storm drain outlet is located in the fenced vehicle storage area at the center part of the site. A yellowish-green discharge (appeared to be antifreeze) and a heavy build-up of algae was noted at the outlet. Based on available maps, the outlet discharges to the sanitary sewers. The drain runs past the airport maintenance area and the General Electric Facility and through the airport runways.

Two open dirt channels/ditches traverse the site. One runs along the south boundary of the site and reportedly receives surface runoff water from the south part of the airport. The other runs east/west along the south part of the site, north from the GE Test Cell facility. Available maps show these channels/ditches discharge to the Cucamonga Creek.

5.2 Storage of Chemicals or Hazardous Materials

A 1995 inventory list and permit for Lockheed Aircraft was posted on the interior of the munitions bunker. The permit, issued by the City of Ontario Fire Safety Control Bureau, indicated storage of explosives or blasting agents. The inventory list identified ammunition, explosives, and equipment parts.

Previous reports identified the historical use of fuel, paint strippers, and solvents at the hangar by the Air National Guard.

CTL's site inspection revealed a partially full 25-gallon drum of sodium hydroxide near the outside southeast corner of the hangar. Two 5-gallon containers (unidentified contents) were located in the shop area.

5.3 Storage Tanks

Past reports have identified six USTs at the site; four USTs in the fueling area and two USTs associated with the boiler. There is discrepancy in the contents of the tanks. CDM identified the tanks and contents as four 25,000-gallon soda water (installed 1963); one 12,000-gallon stove oil (contents unknown; installed possibly 1962), and one 12,000-gallon (contents & installation date unknown). USACE maps identify the contents as JP4 jet fuel and diesel. Analytical results conducted in 1994 for five "former" USTs denoted the contents as gasoline and diesel. Records of the removal or soil sampling for the assumed remaining UST was not located by LAWA or CTL through the file searches. Additionally, reports concerning the remediation of the contamination was not found. See Section 4.1.1.

5.4 Polychlorinated Biphenyls (PCBs)

A pad-mounted transformer, reportedly disconnected, is located outside the south end of the hangar. The unit was not labeled as a "Non-PCB" unit. Other potential PCB-containing materials were identified at the site by Encorp (Culver City, CA). See Section 6.0.

5.5 Evidence of Environmental Concern

5.5.1 Stained Soil, Pavement, and Concrete

Areas of notable stained soil, pavement, or concrete was not observed at the site.

5.5.2 Stressed Vegetation

The vegetation at the site showed no signs of abnormal biological stress, a common indicator of subsurface contamination during the site investigation.

5.5.3 Drums

See Section 5.2.

5.5.4 Air Quality

CTL did not observe any indication of air quality distortion (i.e. discernible odors) during the site investigation.

6.0 NON-CERCLA ISSUES

A "Hazardous Materials Survey Report" was conducted at the site hangar in January 1997 by Encorp (Culver City, CA). The report addressed asbestos-containing materials (ACMs), lead-based paint (LBP), polychlorinated biphenyls (PCBs), and mercury. Discrepancies noted by CTL in the LBP section are that the sample numbers reported in the Analytical Results and the Lead-Based Paint Worksheet (technician personal notes) are not the same as reported in the Map 4 Scitec XRF Data Findings. An error in the sample number appears to have occurred in documenting the very first reading. Material Summary tables for these materials is presented in the following pages. CTL summarized the positive XRF results only as documented by the Lead-Based Paint Worksheet.

Asbestos-Containing Materials Material Summary

Material	Location	Friable	Condition
Green Floor Tile	Rooms, 1, 21, 23	No	Poor
Brown W/Red & White Floor Tile/Mastic	Various	No	Poor – Fair
Tan Floor Tile/Mastic	Room 20	No	Poor
Green Mixed Floor Tile/Mastic	Room 16	No	Fair
Dark Brown Floor Tile/Mastic	Rooms 3, 6, 7	No	Poor
Off-White Floor Tile/Mastic	Room 33	No	Fair
Pipe & Elbow Thermal Insulation	Throughout Facility, Restrooms, Boiler Room	Yes	Poor – Good
Boiler Insulation	Boiler Room	Yes	Poor
Tank Insulation	Boiler Room	Yes	Fair
Inside Boiler Thermal Insulation	Boiler Room	Yes	Poor – Fair
Coating On Interior/Exterior Of Corrugated Walls	Throughout Facility	No	Poor
Roofing Material	Roof Over Offices & Boiler Room	No	Fair – Good
Tan Floor Tile/Mastic	Boiler Room Office	No	Poor
Pale Green Floor Tile/Mastic	Motorcycle Shop	No	Poor
Drywall Mud	Various Locations	No	Poor

XRF Lead-Based Paint Material Summary

Sample Location	Paint Color	Substrate	Condition	Lead Content (mg/cm^2)
Motorcycle Shop - I-Beam On Wall	Dark Gray	Metal	Good	3.23
Motorcycle Shop - Ceiling	Beige	Metal	Good	1.42
Motorcycle Shop – Exterior Wall	White	Metal W/Coating	Good	0.88
Motorcycle Shop – Exterior Door	White	Metal W/Coating	Good	0.87
Main Hangar – Exterior Wall	White	Metal W/Coating	Damaged	3.75
To The Right Of Exterior Hangar Door	White	Metal W/Coating	Damaged	5.48
Main Hangar Near Rm #19 – Metal Cross Beam	Light Blue	Metal	Good	9.78
Main Hangar Near Rm #19 – Metal Cross Beam	Beige	Metal	Good	9.30
Inside At Door #20 - Door	Dark Brown	Metal	Good	0.84
I-Beam Near Door #20	Light Blue	Metal	Good	11.73
I-Beam Near Door #20	Beige	Metal	Good	8.85
I-Beam Near Door #20	Red	Metal	Good	13.27
Electrical Box Near Rm #20	Dark Blue	Metal	Good	1.0
Telephone Cabinet Near #15	Dark Blue	Metal	Good	2.37
Fire Hose Cabinet Near #15	Red	Metal	Good	1.34
Fire Door Near Rm 15	Light Blue	Metal	Good	1.41
Door To Rm 14	Light Blue	Metal	Good	1.44
Door To Rm 12	Light Blue	Metal	Good	2.16
SE Stairwell Door	Light Blue	Metal	Good	2.58
Inside Door To 2nd Floor At SE Stairwell	Dark Brown	Metal	Good	1.38
Outside Door To 2nd Floor At SE Stairwell	Dark Brown	Metal	Good	1.73
2nd Floor Side Railing	Light Blue	Metal	Damaged	1.3
2nd Floor Top Of Railing	Dark Blue	Metal	Damaged	2.61
NW Side Of Hangar Door Wall	Beige	Metal W/Coating	Damaged	2.18
Inside Of Hangar Door	Light Blue	Metal	Good	1.37

XRF Lead-Based Paint Material Summary (Cont.)

Sample Location	Paint Color	Substrate	Condition	Lead Content (mg/cm^2)
Ladder	Tan	Metal	Damaged	16.58
Door Jamb on Garage Door	White	Metal	Good	9.54
Vent pipe near boiler room	Silver	Metal	Good	5.83
Window moldings	White	Metal	Good	1.47
Outside I-Beam	White	Metal	Good	0.98

PCB and Mercury Summary

PCBs – Approximately 650 PCB-containing light ballasts were identified.

Mercury – Approximately 600 suspect mercury-containing fluorescent light bulbs were identified.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

CTL Environmental Services has conducted a Phase 1 Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527 of the California Air National Guard (CANG) facility, Ontario Airport, Ontario, California. Any exceptions to, or deletions from, this practice are described in Section 8.1 of this report.

Based on CTL's investigation, this assessment has revealed no evidence of recognized environmental conditions in connection with the site except for the following:

- The site was utilized by the military, Army Air Corps and the Air National Guard, from the early 1940s through the mid 1980s. According to a USACE representative, an "Inventory Project Report" has been prepared for the site however, it has not been signed by headquarters and is therefore unavailable for review. The report reportedly would provide the most complete accounting of activities at the site.

- Six underground tanks have been associated with the site: four tanks at the former fueling pad and two tanks for the boiler units. Soil analysis results from 1994 identified only five USTs. The second UST near the boiler has not been unaccounted for. Elevated concentrations of TPH and BTEX were detected at the fueling pad.

- The military utilized the site for aircraft repair/overhaul as well as aircraft washdown. A USACE report from March 1991, indicated the use of fuel, paint strippers, solvents, etc.

- Prior to 1970s, chemicals and washdown waters were discharged into dirt ditches that emptied into the unlined Cucamonga Creek. An oil/water separator was installed after 1970 when the Creek reportedly was channelized. Based on aerial photographs, the creek was lined between 1976 and 1980. Many of the drains at the site are connected to this separator which empties to the creek. A second washdown area is located at the west part of the site. It is unknown if the drain discharges into the separator, discharges to the storm drain system, or drains directly into the Creek.

- A septic system and leach field is located south from the hangar. This system was used until the 1970s when a sanitary sewer system reportedly was installed.

- A concrete pit is located inside the south part of the hangar. The use is unknown, but may have been used as a neutralization pit.

- A munitions bunker has been located at the center part of the site since the 1950s. Three other bunker-type buildings also were present in this area from the 1950s to early 1970s.

- Two unidentified buildings were located at the south part of the site from at least 1965 to the early 1970s. These buildings also may have been associated with repair/overhaul as a military plane was noted next to the buildings in a 1965 aerial photograph.

- An airport storm drain outlet is located in the fenced vehicle storage area at the center part of the site. A yellowish-green discharge (appeared to be antifreeze) and a heavy build-up of algae was noted at the outlet. Based on available maps, the outlet discharges to the sanitary sewers. The drain runs past the airport maintenance area and the General Electric Facility and through the airport runways.

- Two open dirt channels/ditches traverse the site. One runs along the south boundary of the site and reportedly receives surface runoff water from the south part of the airport. The other runs east/west along the south part of the site, north from the GE Test Cell facility. Available maps show these channels/ditches discharge to the Cucamonga Creek.

- Encorp's asbestos survey at the hangar identified asbestos in various floor tile/mastic, boiler insulation, thermal insulation, coating on interior/exterior of corrugated walls, roofing material, and drywall mud. The majority of these materials were in poor to fair condition. Only the boiler and thermal insulation was identified as friable. LAWA has locked many of the hangar rooms and has placed an asbestos notification on the boiler room. Encorp recommended abatement and/or isolation of asbestos-containing materials.

- Encorp's lead survey at the hangar identified lead throughout the building with some identified damaged materials. Encorp recommended "that at a minimum interim action measures" be taken for the damaged LBP.

- Encorp's PCB and mercury survey identified PCB-containing light fixtures and suspect mercury-containing fluorescent lights at the hangar. Encorp recommended action upon renovation or demolition activities.

- GE Test Cell facility, adjacent to the site on the east, has documented solvent-contaminated soil and groundwater. Three out of four soil areas have been sucessfully remediated. The RWQCB has identified GE as the PRP for the solvent plume that extends southwest from the facility about 8,000 feet.

7.2 Recommendations

Based on the foregoing conclusions, CTL recommends the following:

- Request status updates from the USACE regarding the release of the "Inventory Project Report." In addition to the areas of concern identified in CTL's conclusions, this report should provide a comprehensive accounting of activities at the site.

- LAWA should request clarification from Encorp for the sample number discrepancy in their lead survey.

- The chance exists that additional suspect ACMs or lead-containing materials may be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed prior to any renovation and/or demolition activities which disturbs ACMs or lead-containing materials. If airborne lead levels are above OSHA requirements, additional monitoring and respiratory protection may be required as well as engineering controls such as containments and personal protective clothing.

8.0 SPECIAL TERMS AND CONDITIONS

This Phase I Environmental Site Assessment has been prepared for the exclusive use of the Los Angeles World Airports. CTL will distribute any information regarding this assessment and report only upon the request of Los Angeles World Airports.

8.1 Limitations and Exceptions of Assessment

CTL has performed this assessment in accordance ASTM Standard Practice for Environmental Site Assessments E 1527.

8.2 Limiting Conditions and Methodology Used

This report is based upon data and information obtained during the site visit performed by CTL personnel to the property identified herein and is based solely upon the condition of the property on the date of such inspection, supplemented by information and data obtained by CTL from other sources and described herein. The evaluation and conclusions contained in this report have been prepared in light of the expertise and experience of CTL. However, in evaluating the property, CTL has relied in good faith upon representations and information furnished by individuals noted in the report with respect to operations and existing property conditions and the historic uses of the property to the extent that they have not been contradicted by data

obtained from other sources. Accordingly, CTL accepts no responsibility for any deficiency, misstatements, omissions, misrepresentations, or fraudulent acts of persons interviewed. In addition, CTL will not accept liability for any loss, injury, claim or damage arising directly or indirectly from any use or reliance on this report.

This assessment included a visual investigation of the subject site and surrounding areas, a historical review of the subject property, interviews with the site tenants, contacts with personnel representing regulatory agencies, and obtaining various documentary records relative to the site.

CTL has performed this work, made findings, and proposed recommendations described in this report in accordance with the ASTM Standard Practice for Environmental Site Assessments E 1527. This warranty stands in lieu of all other warranties, expressed or implied. While this report can be used as a guide, it must be understood that it is neither a rejection nor an endorsement of the property.

9.0 STATEMENT OF INDEPENDENCE

CTL Environmental Services is a privately-held company and is not affiliated with any financial institution or other corporate entity. CTL Environmental Services is retained as an independent contractor to provide objective, impartial investigatory or analytical services regarding environmentally regulated hazardous or toxic materials.

CTL has no present or contemplated future ownership interest or financial interest in the real estate that is the subject of this Environmental Assessment Report; and CTL has no personal interest with respect to the subject matter of the Environmental Assessment Report or the parties involved and CTL has no relationship with the property or the owners thereof which would prevent an independent analysis of the environmental or other conditions of the property.

10.0 STATEMENT OF QUALIFICATIONS

This Phase I Environmental Site Assessment was prepared by CTL employee, Constance E. Allen, Project Manager.

11.0 SIGNATORY

Prepared by:

Constance E. Allen
California Registered Environmental Assessor #04987
Project Manager

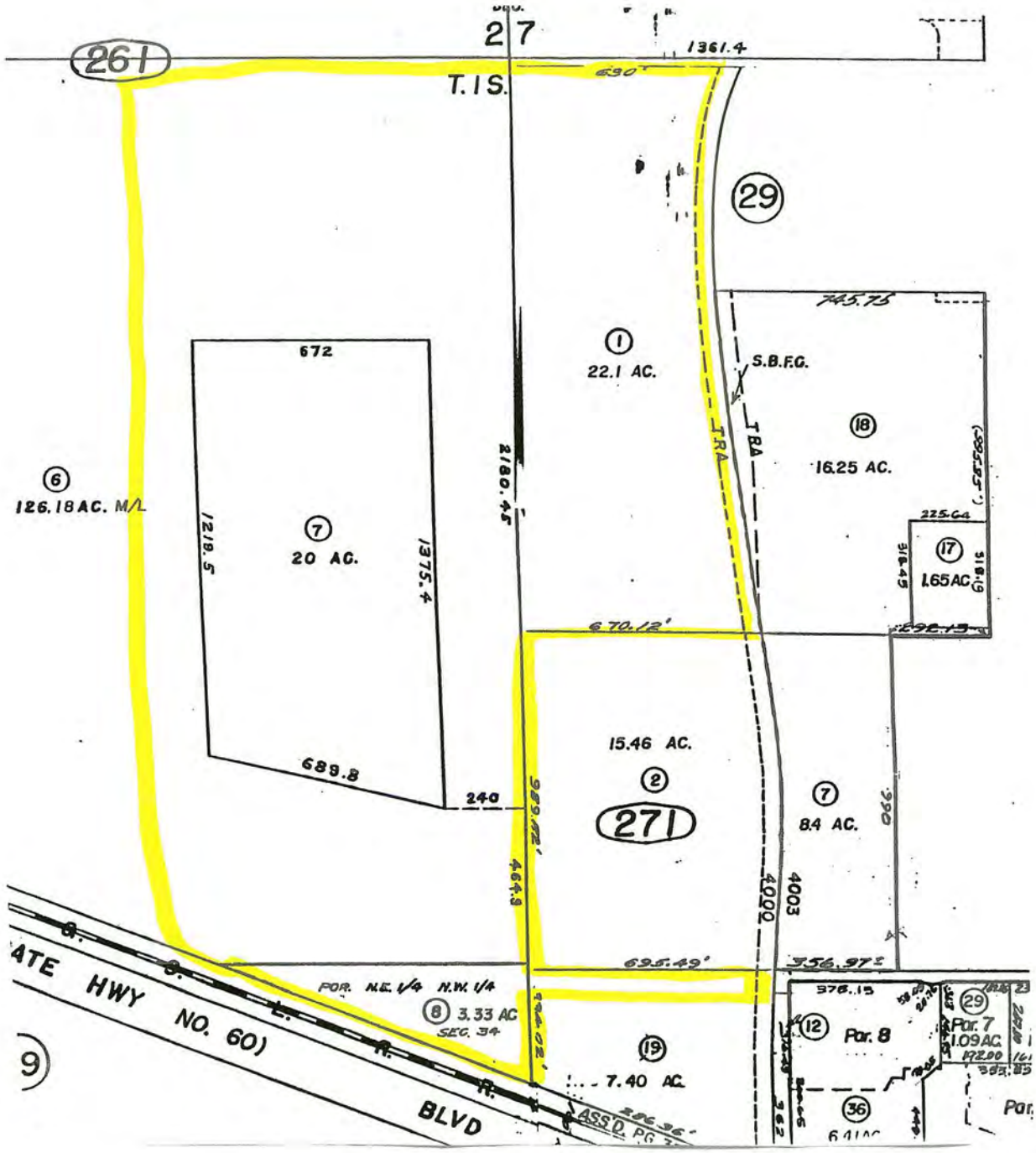
Reviewed by:

Douglas W. Coburn
California Registered Environmental Assessor #06921

601-0195.ph1

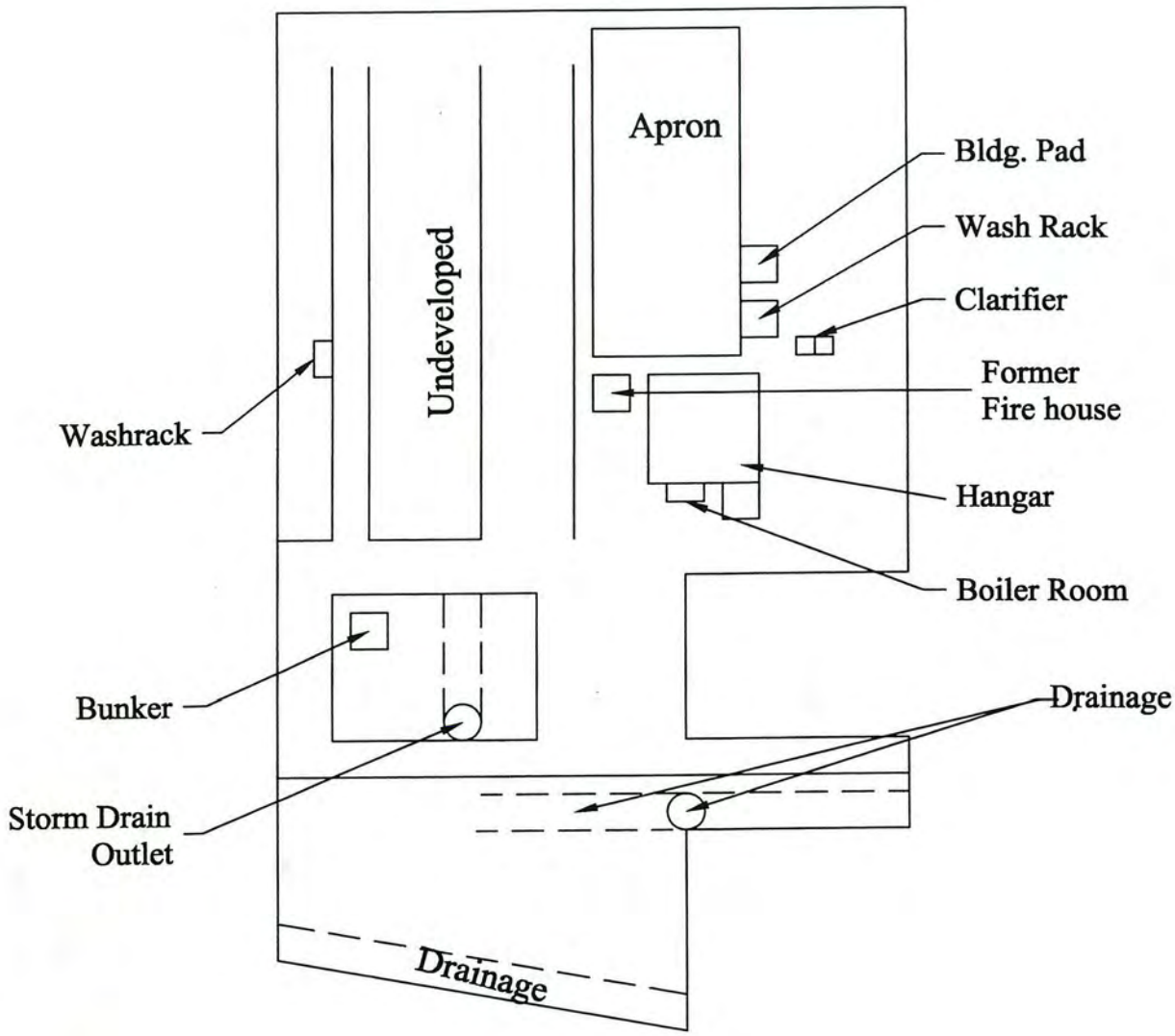
APPENDIX A

Assessor's Map, Site & Vicinity Maps, Topographic Map



ASSESSOR'S MAP

Address: Former Air National Guard	Client Name: Los Angeles World Airports
City/State: Ontario, California	CTL Project Number: 601-0195
ENVIRONMENTAL SERVICES 24404 South Vermont Avenue, Suite 307 Harbor City, California 90710	113-261-006, -007, & -008 113-271-001



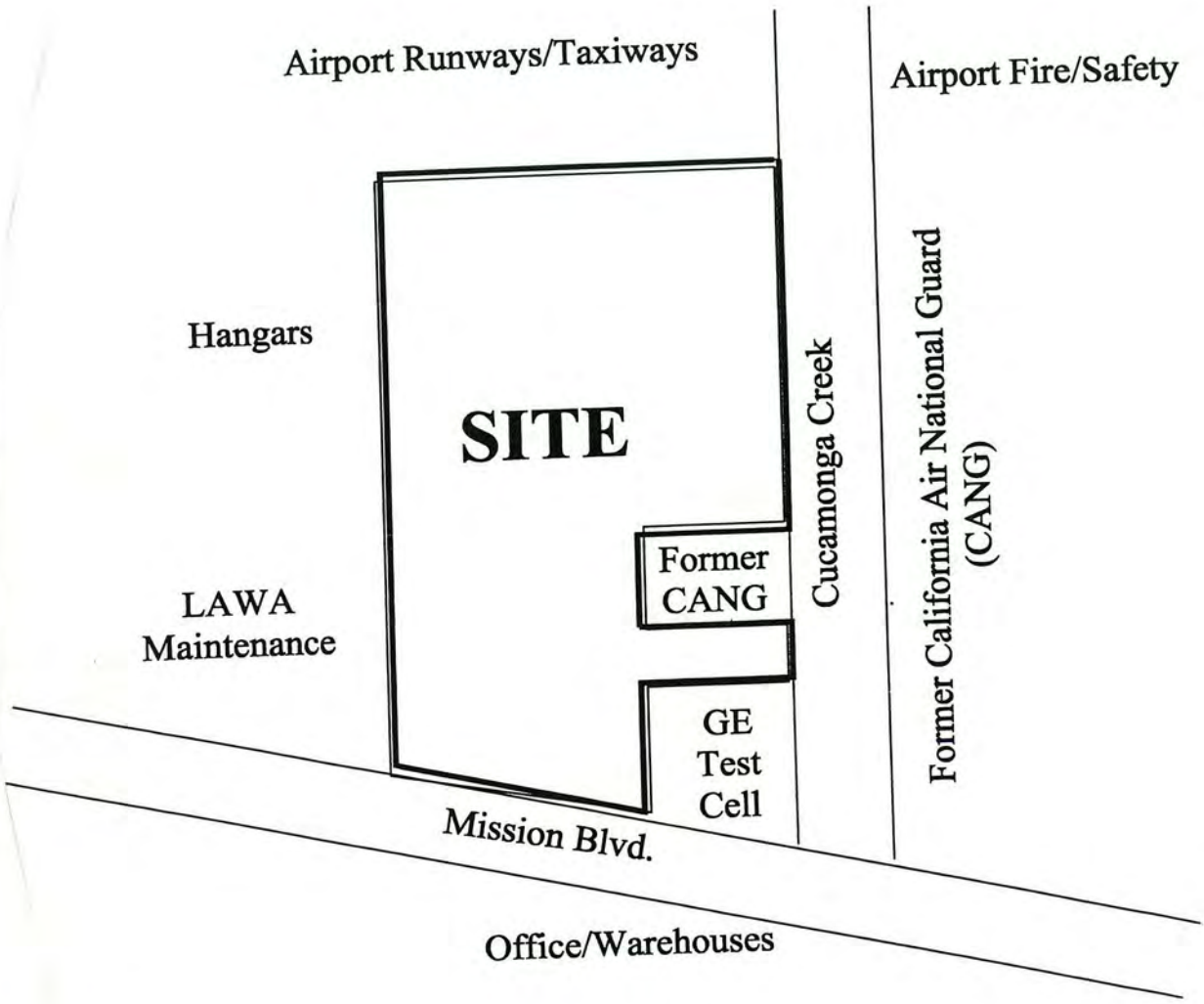
SITE MAP

Address: Former Air National Guard	Client Name: Los Angeles World Airports
City/State: Ontario, California	CTL Project Number: 601-0195

ENVIRONMENTAL SERVICES
24404 South Vermont Avenue, Suite 307
Harbor City, California 90710

Not to Scale





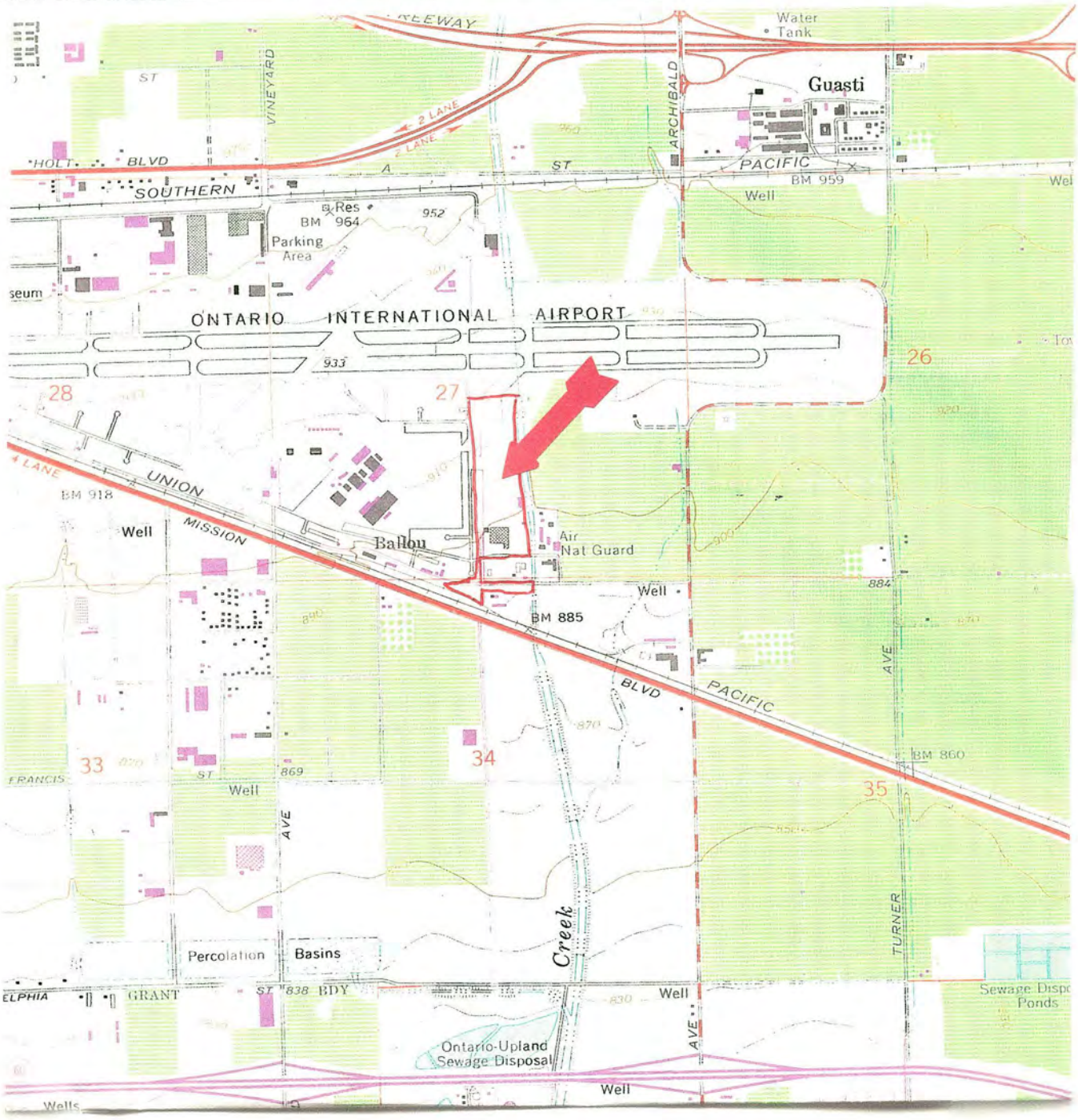
SITE & VICINITY MAP

Address: Former Air National Guard	Client Name: Los Angeles World Airports
City/State: Ontario, California	CTL Project Number: 601-0195

ENVIRONMENTAL SERVICES
24404 South Vermont Avenue, Suite 307
Harbor City, California 90710

Not To Scale

N



TOPOGRAPHIC MAP

Address: Former Air National Guard	Client Name: Los Angeles World Airports
City/State: Ontario, California	CTL Project Number: 601-0195

ENVIRONMENTAL SERVICES
24404 South Vermont Avenue, Suite 307
Harbor City, California 90710

Guasti, CA Quad
Date: 1966; Photorevised 1981

N

January 16, 2003

Phase I Environmental Site Assessment
Hangar 4 at GE Engine Services, Inc.
1923 East Avion Street
Ontario, California 91761

Prepared for

GE Engine Service, Inc.
1923 East Avion Street
Ontario, California 91761

MACTEC Project No. 54472.2



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Manager, Environmental
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909-937-5300 FAX 909-937-5215

CERTIFIED MAIL

January 20, 2003

Ms. Robin L. Rollins
Manager, Property/Concessions Section
Ontario International Airport
Terminal Building One, Room 219
Ontario CA, 91761
909-975-5385
rrollins@lawa.org

RE: GE Engine Service Inc. Lease Modification

Dear Robin,

Enclosed please find copies of the Phase I Environmental Site Assessment, Asbestos and Lead Survey, and Asbestos Closure Report for the buildings and property of Ontario International Airport, Parcel 3, formally referred to as GE Hanger 4. A final walk-thru of the property was conducted on December 17, 2002 with representatives of the airport and GE.

The Asbestos and Lead Survey was conducted according to U.S. EPA, South Coast Air Quality Management District, U. S. Department of Housing and Urban Development, and California Occupational Safety and Health Standards on November 20, 2002 by MACTEC Engineering (MACTEC). GE has conducted abatement activities to remove asbestos containing materials (ACM) that were found to be in fair or poor condition from the building prior to January 31, 2002. All lead containing materials were found to be intact and in good condition.

The following table details the areas and dates of ACM removal. The closure reports are enclosed with this document.

Date of Removal	Location	Type of Material	Level of Asbestos	Quantity	Friability	Condition Prior to Removal
12/30/02	Disposition Office	12" x 12" tan floor tile (peel & stick)	<1% Chrysotile	90 SF	Non-friable	Fair
12/10/02	HVAC Room & NE Area of S. Stockroom	HVAC flex connector	60 % Chrysotile	2 EACH	Non-friable	Fair
12/10/02	HVAC Room	HVAC gasket	40 % Chrysotile	150 SF	Non-friable	Poor
12/30/02	SE Stockroom	Floor tile mastic	5 % Chrysotile	4,800 SF	Non-friable	Fair

At the conclusion of our December 17th final walk-through of the property, airport staff Erica Blyther, Sam Wong and Solomon Hays indicated to GEES representatives that everything was in good order and nothing further was required of GEES prior to turning this facility over to the Airport Authority. During our subsequent conversation on December 23rd, you confirmed that based on the Airport's review of the lease, drafts of the reports referenced in this letter, and the walk-through of the property, GEES has satisfactorily performed all tasks required to exit the property under its lease and the lease modification agreement under which this portion of the lease is being terminated.

To our knowledge we have complied with all applicable terms and conditions of the lease termination agreement. Please contact me as soon as possible, but not later than within two weeks of receiving this letter if you believe we have not complied with all applicable terms and conditions of the lease termination agreement. Additionally, please contact me with any questions or concerns that you may have regarding the enclosed information at 909-937-5300.

Sincerely,

Rob Meyers
Manager, Environmental Health and Safety Programs

Enclosures:

MACTEC, INC –Phase I Environmental Site Assessment, Hanger 4 at GE Engine Services Inc
MACTEC, INC –Asbestos Containing Materials and Lead-Based Paint Assessment Report, Hanger 4 at GE Engine Services
H2 Environmental Consulting Service Inc. Asbestos Air Monitoring Report 12/10/02
H2 Environmental Consulting Service Inc. Asbestos Air Monitoring Report 12/30/02

Enclosures Continued:

MARCOR Environmental Consulting Service Inc. Asbestos Closure Report 12/10/02
MARCO Environmental Consulting Service Inc. Asbestos Closure Report 12/30/02

CC w/ Enclosures:

E. Blyther –LAWA Environmental Specialist
S. Cline –GEAE EHS
R. Florio –GEAE EHS

CC w/o Enclosures:

J. Timperio –GEAE WCO
T. Gavagan –GE Corp. Fairfield

January 16, 2003

Phase I Environmental Site Assessment
Hangar 4 at GE Engine Services, Inc.
1923 East Avion Street
Ontario, California 91761

Prepared for

GE Engine Service, Inc.
1923 East Avion Street
Ontario, California 91761

MACTEC Project No. 54472.2

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CONTENTS

EXECUTIVE SUMMARY 1

1.0 INTRODUCTION 4

1.1 Objective 4

1.2 Procedures and Methodologies 4

1.3 Special Terms and Conditions 5

1.4 Limitations and Exceptions of Assessment 5

2.0 SITE OVERVIEW 6

2.1 Site Location 6

2.2 Area of Focus Description and Use 6

2.3 Site and Area of Focus Vicinity Characteristics 9

2.4 Topography and Surface Water Characteristics 10
2.4.1 Topography 10
2.4.2 Site Proximity to Existing Designated Wetlands 10

2.5 Geological Characterization 10

2.6 Groundwater Characterization 12

2.7 Groundwater Well Search 12

3.0 SITE HISTORY 14

3.1 History of Property Use 14

3.2 Historical Records Review 16
3.2.1 Historical Review 20
3.2.2 Historical City Directories 22
1923 E. Avion Drive 22
Surrounding Properties-E. Avion 22

3.3 Agency File Review 23
3.3.1 County of San Bernardino Fire Department 23
3.3.2 County of San Bernardino Department of Environmental Health Services 23
3.3.3 Division of Oil and Gas-Munger Map Book 23
3.3.4 City of Ontario Building Department 23

3.4 Summary of Previous Environmental Reports 24

3.5 Summary of Historical Information 24

4.0 SITE RECONNAISSANCE 25

4.1 Site Reconnaissance 25
4.1.1 Interviews with Persons Knowledgeable about the Site 25
4.1.2 Property Inspection 26
4.1.3 Access to the Area of Focus 26
4.1.4 Aboveground/Underground Storage Tanks, Sumps and Pits 26
4.1.5 Wooded Areas 26
4.1.6 Water Bodies 27
4.1.7 Drainage Paths 27
4.1.8 Onsite Utilities 27
4.1.9 Building Ruins 27
4.1.10 Heavy Equipment 27
4.1.11 Obvious Odors 27
4.1.12 Evidence of Landfills, Dumping, or Burial Activities 27
4.1.13 Evidence of Surface Impoundments or Holding Ponds 28
4.1.14 Evidence of Air Emissions or Wastewater Discharge 28
4.1.15 Evidence of Industrial or Manufacturing Activities 28
4.1.16 Monitoring Wells or Remedial Activities 28
4.1.17 Evidence of Stained or Discolored Soil 29
4.1.18 Evidence of Leachate or Seeps 29
4.1.19 Evidence of Distressed, Discolored, or Stained Vegetation 29
4.1.20 Evidence of Chemical Spills or Releases 29
4.1.21 Evidence of Groundwater and Surface Water Contamination 29
4.1.22 Oil or Gas Well Exploration, Production, or Refinery Activities 29
4.1.23 Evidence of Farm Waste Concerns 29
4.1.24 Discharges, Leachate, Migration, or Runoff of Potential Contaminants from Offsite Sources 29
4.1.25 Other Known or Observed Environmentally Sensitive Conditions 30

4.2 Transformers and PCB Equipment 30

4.3 Asbestos-Containing Materials 31

4.4 Lead-Based Paint 31

4.5 Onsite Regulated Substance Identification/Inventory 32

4.6 Radon 32

4.7 Solid and Hazardous Wastes 32

4.8 Surfacing 33

4.9 Adjacent Property Use 33

5.0 REGULATORY AGENCY RESEARCH 35

5.1 Published Government List Review 35

6.0 SUMMATION 43

6.1 Site History 43

6.2 Site Investigation 43

6.4 Recognized Environmental Conditions 44

7.0 REFERENCES 46

PLATES

1 Vicinity Map
2 Site Plan with Adjacent Properties
3 Plot Diagram of Hangar 4

APPENDIXES

A TOPOGRAPHIC MAPS
B AERIAL PHOTOGRAPHS
C SITE PHOTOGRAPHS
D EDR REPORT
E REGULATORY AGENCY INFORMATION
F CITY DIRECTORY ABSTRACT
G MEREDITH/BOLI & ASSOCIATES REPORT (ABSTRACTS)
H DTSC ACCEPTANCE OF CERTIFICATION OF TANK CLOSURE
I CHINO BASIN OPTIMUM BASIN MANAGEMENT PROGRAM - EXCERPTS

DISTRIBUTION

EXECUTIVE SUMMARY

GE Engine Services, Inc. (GEES) retained MACTEC Engineering and Consulting, Inc. (MACTEC) f/k/a Harding ESE, Inc., to prepare this Phase I Environmental Site Assessment (ESA) for Hangar 4 (Area of Focus) located at the GEES facility, 1923 East Avion Street, Ontario, California (Site) (Site; Plate 1). This ESA was conducted on behalf of GE Engine Services, under Purchase Order No 253003822. MACTEC's project team included Messrs. Jeffrey Davies, Wayne Leung, Richard McKenna and Richard Hamaker.

Hangar 4 located in the southeastern portion of the Site, is approximately 57,200 SF and for the most part is vacated. GEES is in the process of vacating all portions of the building. With respect to the overall GEES facility, the Ontario Airport is located to the north. To the east of facility and adjacent to Hangar 4 are vacant asphalt lots. To the south and adjacent to Hangar 4 is a parking lot used by the facility. To the west of Hangar 4 is an asphalt-paved open area beyond which is the GEES Facility.

MACTEC conducted an inspection on October 10 and 18, 2001 and follow-up inspections on November 4 and 20, 2002 of Hangar 4 that included inspecting Hangar 4, its attached buildings, the area immediately surrounding Hangar 4, performing a drive-by reconnaissance of the adjacent properties and conducting a limited walk through inspection of the grounds of the adjacent GEES Facility.

The following summarizes MACTEC historical research of the Area of Focus:

- The first two buildings, Hangars 1 and 2, at the Site were constructed in the late 1940s.
- In approximately 1950, Northrop Aircraft Company reportedly began manufacturing operations on the north side of the current Site in present day Hangar 1.
- In 1951, construction of Hangar 3was completed.
- Prior to 1953 Douglas Aircraft began operations at the Site in Hangar 2 or 3.
- In 1953 Hangar 4 was constructed.
- In approximately 1955, GEES moved their operations to Ontario Airport, Douglas and Northrop vacated the Site.
- From 1955 to 1980, Lockheed Aircraft reportedly occupied Hangar 4.
- In 1980,GEES moved its operations into Hangar 4.
- In 1985 the Site was connected to the domestic sewer system.
- In 1990 Hangar 4 was connected to the Sites domestic sewer line.

During MACTEC's inspections on October 10 and 18, 2001 and November 4 and 20, 2002, MACTEC noted the following:

- During the inspection, no distressed vegetation or evidence of clarifiers or USTs were observed.

- Evidence of groundwater monitoring wells was not observed in or surrounding Hangar 4.
- Sealed boreholes were observed in the area of the former EDSA and Test Cell, west and southwest of the Area of Focus in the vicinity of the Hazardous Materials Storage Area.
- In October 2001, chemical storage was observed in the Cold Storage Room in Hangar 4. Chemicals were stored in a neat and orderly fashion in small containers, generally < 1 gallon.. Not all chemicals were in chemical storage cabinets. Some were stored on open shelving. Flammable chemicals were stored in flammable storage cabinets. The concrete floor was sealed and appeared to be in good condition without evidence of spills or staining.
- Chemical storage had been removed from Hangar 4 prior to the November 2002 visits. The Cold Storage Room was re-inspected. No evidence of chemical spills or staining in the vacant room was observed.
- Wastes appeared to be properly managed and disposed during all visits.
- MACTEC noted pad-mounted electrical transformers at the Site. These transformers are owned and operated by Southern California Edison (SCE). SCE maintains that none of their transformers contain PCBs. MACTEC did not observe any leaks or stains.
- The EDR report indicates that 17 USTs are known to have existed at the GEES Site. No USTs were located in the Area of Focus (Hangar 4).
- The GEES Site, but not specifically Hangar 4, was listed on the ERNS, Cal-Sites, Cortese, LUST and CA SLIC database (Section 5.1 and Appendix A). These listings are associated with the historical environmental issues previously discussed. Numerous offsite properties were listed on various regulatory environmental databases. Based on MACTEC's review, these properties are not anticipated to environmentally impact the Site.
- One up-gradient site was listed in the EDR report as having a leaking underground storage tank. Wells Fargo Bank, 1862 Holt Boulevard, is approximately 0.75 miles north (up-gradient) of the Site. The property is noted to have a leaking underground storage tank that leaked 834 pounds of an aqueous solution with less than 10% total organic residues. No additional data was provided. Based on the distance of this property from the Site and distance to groundwater in the area, it is unlikely that the Site has been impacted by this property.

MACTEC's investigation identified the following recognized environmental conditions (RECs), as defined by ASTM in the Area of Focus.

- In 1956, Northrop connected Hangar 4 to a cesspool. Hangar 4 remained connected to the cesspool until it was connected to the Site's sanitary sewer system in 1990. Mr. David Lu, an Environmental Manager formerly employed with GEES, stated that a septic tank/leach field existed for Hangar 4. Mr. Lu could not recall the location of this septic tank/leach field. Closure or sampling data for the leach field and septic system could not be located at the time of the ESA.

1.0 INTRODUCTION

GE Engine Services, Inc. (GEES), Ontario, California retained MACTEC to conduct a Phase I Environmental Site Assessment (ESA) at 1923 East Avion Street, Ontario, California (the Site or facility) (Site Location Map: Plate 1). The ESA primarily focused on Hangar 4 (Area of Focus) and the adjacent areas immediately surrounding Hangar 4. Additional GE Engine Services buildings are present on Site; however, these other buildings are not included in this scope of work.

1.1 Objective

The objective of the ESA was to identify recognized environmental conditions (RECs). The term *recognized environmental conditions* as defined by ASTM is the presence or likely presence of any *hazardous substances* or *petroleum products* on a *property* under conditions that indicate an existing release, a past release, or a material threat of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, groundwater, or surface water of the property. The term includes *hazardous substances* or *petroleum products* even under conditions in compliance with laws. The term is not intended to include *de-minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. This report includes information gathered from federal, state and local agencies; Site representatives; personal interviews with people familiar with the Areas of Focus and surrounding properties; and a Site visit conducted by MACTEC representatives. The report is intended to meet the requirements of ASTM E1527-00.

1.2 Procedures and Methodologies

The ESA conducted by MACTEC included, but was not limited to, the following services:

- Walkthrough Site inspection
- Drive-by observation of adjacent properties and Site vicinity
- Interviews with people familiar with the Site
- Interviews with Site Representatives

- Regulatory agency file reviews
- Historical records review
- Report development including summary of conclusions.

1.3 Special Terms and Conditions

This document was prepared for the sole use of GE Engine Services and its successors and assignees, and may be relied upon by such successor(s) or assignee(s). No other party should rely on the information contained herein without prior written consent of MACTEC and GE Engine Services. Our professional judgment to assess the potential for contamination is based on limited data; no other warranty is given or implied by this report.

1.4 Limitations and Exceptions of Assessment

Specific to the ESA, lack of evidence of the presence of hazardous materials following completion of the tasks of a reasonable and mutually agreed-upon scope of work does not guarantee the absence of such materials; rather, it indicates only that none were found as a result of the services provided. Although the limited nature of MACTEC's proposed scope of work precludes the firm from providing a warranty or guarantee regarding the presence or absence of hazardous materials that could potentially affect the Site, MACTEC has provided its best professional judgment of possible hazardous materials issues and performed the practices and procedures generally accepted in the consulting engineering field.

2.0 SITE OVERVIEW

2.1 Site Location

GE Engine Services is located at 1923 East Avion Street in the City of Ontario, California (the Site or facility) approximately 30 feet east of the intersection of Vineyard Avenue and East Avion Drive (Plate 1). The Site is approximately 2.5 miles north of the Pomona Freeway (60), approximately 1.5 miles south of the I-10 Freeway and approximately 7 miles west of the I-15 Freeway. Ontario International Airport is located immediately to the north of and adjacent to the Site. The total GEES property acreage is approximately ????

2.2 Area of Focus Description and Use

The "Site" Plan depicting the Area of Focus and adjacent areas is presented in Plate 2. A plot diagram of Hangar 4 is presented in Plate 3. The Area of Focus includes one building currently known as Hangar 4. Hangar 4, approximately 57, 200 square feet, is located in the southeastern portion of the Site (Photos 1 & 2). Hangar 4 includes a former tool control annex, chemical storage room, stockroom and Bone Yard and an active Scrap Yard and Customer Parts Storage.

The building is constructed of corrugated sheet metal that covers steel I-beams and has a concrete floor. The roof is corrugated-metal sheeting covered with a built-up roof and cap sheet. It appears to have been constructed in phases with the former tool control area being the newest construction.

Former Operations, October 2001

At the time of the initial site visit in October 2001, GEES was using Hangar 4 for storage and distribution of engine parts, tool control, chemical storage, customer parts storage and scrap yard.

The Customer Parts Storage located at the northeast corner of Hangar 4 was being used during all visits and consisted of cleaned parts stored on metal racks. No evidence of chemical staining was observed.

The Scrap Yard is located at the northwestern corner adjacent to and outside of Hangar 4. The Scrap Yard is fenced and gated. Scrap parts and metals are accumulated and packaged for disposal in this area

Three, pad-mounted transformers are located in a fenced area south of the Scrap Yard on the west side of Hangar 4. No evidence of leaks was observed during any of the inspections.

A Cold Storage Room was located immediately south of the transformers inside the main building. During the October 2001 visit, chemical storage was observed in the Cold Storage Room. For the most part, chemicals were stored in proper chemical/flammable cabinets. However, miscellaneous storage of chemicals was noted on metal shelving. Chemicals in this area were stored in squeeze tubes and pint, quart and gallon-size plastic and glass containers. Chemicals included lubricants, adhesives and other similar production chemicals. The room has a coated, concrete-floor. No evidence of chemical spillage or staining was noted.

Tool Control was located in an annex building at the southwest corner of Hangar 4. No spills or chemical staining was noted.

Along the north and south exterior sides of Hangar 4 were open areas used for miscellaneous storage. At the southwest corner of Hangar 4 extending along the southern and eastern sides of the building was an area known as the "Bone Yard". The Bone Yard was used for the storage of used metal and wooden tables, crates, fixtures, and other miscellaneous items for salvage. To the west of Hangar 4 is an area used for recycling wooden pallets and items. Southwest of Hangar 4 is the solid waste compactor and metals recycling bin. Asphalt-covered areas surround the building.

Along the north and south exterior sides of Hangar 4 are open areas used for miscellaneous storage. At the southwest corner of Hangar 4 extending along the eastern side of the building is an area known as the "Bone Yard". The Bone Yard is used for the storage of used metal and wooden tables, crates, fixtures, and other miscellaneous items for salvage. To the west of Hangar 4 is an area used for recycling wooden pallets and items. Southwest of Hangar 4 is the solid waste compactor and metals recycling bin. Asphalt-covered areas surround the building.

Current Status, November 2002

At the time of the subsequent inspections on November 4 and 20, 2002, GEES was not using Hangar 4 and the main building was empty except for old unused offices, the Scrap Yard and Customer Parts Storage. The

Tool Control Annex southwest of the main building was empty except for a fenced area and an unused office. No evidence of staining was observed on the floors in these areas.

On November 4 and 20, 2002, the Cold Storage Room was empty and all chemicals had been removed. There was no evidence of staining on the walls or floor in the room.
During the November 4 and 20, 2002 the Scrap Yard was operational. No evidence of staining was observed in the area.

Based on a review of topographical maps and aerial photographs, Hangar 4 was constructed between January and May of 1953. The MBA report indicates that the Lockheed Aircraft Service Company occupied Hangar 4 from 1956 through 1980 at which time GEES took occupancy of the building (Appendix H, MBA page 70). The May 5, 1953 aerial photograph from the Fairchild collection shows vehicles parked around Hangar 4 indicating that the building was occupied in some manner. MACTEC could not determine what company occupied Hangar 4 prior to 1956.

2.3 Site and Area of Focus Vicinity Characteristics

The area surrounding the Site consists of:

- To the north: Asphalt-covered lots and roads and the Ontario International Airport;
- To the east: An open asphalt-covered lot, across the asphalt-covered lot is Mercury Air Center;
- To the south: A parking lot for the Site and East Avion Street, across East Avion Street to the south and southeast is the Ontario Airport International Maintenance yard, to the southwest at the corner of East Avion and South Vineyard Avenue is LSG Sky Chef. Burlington Northern railroad tracks are located beyond these facilities and Mission Boulevard is located beyond the railroad tracks.
- To the west: Ontario Aircraft Service.

Hangar 4 Vicinity Characteristics

The area surrounding the Hangar 4 building consists of:

- To the north: An asphalt-covered area. Approximately 25 feet to 50 feet north of the building is the property fence. Beyond the property boundary fence is a vacant asphalt-covered lot that wraps around from the east (Photo 10). Beyond the vacant asphalt-covered lot on the north and northeast is the Ontario International Airport. On the northwestern corner adjacent to and outside of Hangar 4 is the fenced Scrap Yard (Photos 13 & 27).
- To the east: An asphalt-covered area. During the October 2001 visit, the area directly to the east of Hangar 4 for approximately 50 feet was formerly known as the "Bone Yard" which was used for storage of unused engine stands and equipment (Photos 5,6,7,&8,). Beyond the Bone Yard is the property boundary fence. Beyond the property boundary fence is an asphalt-covered vacant lot. The Bone Yard had been removed by November 2002 (Photos 24 & 25.
- To the south: An asphalt-covered area. Across the asphalt-covered area is the south property boundary fence and the parking lot for the Site (Photos 3,4,5, 6, & 23).
- To the west: An asphalt-covered area. The asphalt-covered area was used to store wooden crates for shipping and houses the solid waste trash compactor and disposal bins (Photos 13, 14, 15). The

remainder of the GEES Site is located west of Hangar 4 building. Across the asphalt-covered area is the current Hazardous Materials Storage Area.

- At the northwest corner adjacent to the outside corner of Hangar 4 is the Scrap Yard (Photos 13 & 27).
- Three pad-mounted transformers are located south of the Scrap Yard immediately west of Hangar 4 (Photo 11 & 28).
- Approximately in the middle, on the western side of Hangar 4 is the Chemical Storage Room. The Tool Control/Fabrication Building is located on the west side at the south end outside of Hangar 4 (Photos 29 & 31).

2.4 Topography and Surface Water Characteristics

2.4.1 Topography

Based on the United States Geological Survey (USGS) Guasti Quadrangle, the topography in the immediate vicinity of the Site slopes to the south and the topography of the general vicinity slopes to the south-southwest. The Site is situated approximately 915 feet above mean sea level (MSL).

2.4.2 Site Proximity to Existing Designated Wetlands

A walk-through Site inspection did not reveal existing wetlands or any conditions, such as vegetation or standing water, that would indicate the presence of a wetland on the Site or immediately adjacent to the Site. According to the USGS Guasti quadrangle topographic map, the Site is not listed in the vicinity of a designated wetlands area.

2.5 Geological Characterization

The Site lies in what is known as the Chino Groundwater Basin. Regionally, the Chino Basin is part of the upper Santa Ana River Valley. The Chino Basin itself is approximately 300 square miles in area, lying at the juncture of the Peninsular Range physiographic province and the Transverse Range physiographic province. The San Gabriel Mountains border the Chino Basin to the north, the Puente Hills border the Basin to the west-southwest, and the Santa Ana Mountains flank the Basin to the south sands (Dames and Moore, 1992).

The Chino Basin is a fault-bounded product of the uplift of the neighboring San Gabriel Mountains (a segment of the east-west trending Transverse Ranges) and the mountains of the northern-most Peninsular Ranges (which trend north-northwest-south-southeast). Uplift of these ranges, and consequent down-dropping of adjacent blocks have created basins (including the Chino Basin) and was primarily the result of latest Cenozoic tectonic activity (Dames and Moore, 1992; Ehlig, 1981; Crowell, 1981; Dibblee, 1970).

Geophysical investigations conducted in various areas of the Chino Basin suggest that alluvial deposits extend to a depth of approximately 700 feet beneath the Site and to 1,000 in the deepest part of the basin (Fife, et. al., 1976). Conflicting studies indicate that alluvial sediments extend to a depth of 2,000 feet (USGS, 1972). The alluvial material is composed of sediment, produced primarily by erosion of the San Gabriel Mountains. Because of the rapid uplift of the San Gabriel Mountains, and their close proximity to the Chino Basin, sediment deposited in the basins is very coarse with gravels and sands as the dominant materials (Dames and Moore, 1987; Moyle et. al., 1986). Deposition of sediment shed from the San Gabriel Mountains, coincident with continuing intense tectonic activity has resulted in complex facies distribution with rapid facies changes occurring both laterally and vertically (Hsu, 1954, Dames and Moore, 1987). There are currently no recognized active faults existing on or immediately adjacent to the Site sands (Dames and Moore, 1992).

The deepest part of the Chino Basin is composed of up to 2,000 feet of alluvial sediment including alluvial fan material deposited by streams, river channel deposits, and occasional sand dune deposits (USGS, 1972). The sediment is derived almost entirely from igneous- and metamorphic-rich terrain of the San Gabriel Mountains to the north. Crandle (1981) describes the subsurface in the northeast part of the basin as a mixture of coarse gravel and sand horizons interbedded with less permeable sandy silt horizons sands (Dames and Moore, 1992).

The sequence of alluvial strata is the thickest near the mountain fronts and thins to the south where the Santa Ana River has eroded the thin sedimentary veneer to the underlying bedrock. The coarseness of sediment decreases from north to south, and the degree of sorting increases from north to south. In a vertical sequence the sediment size and sorting varies rapidly with the most recent surficial deposits being silty sands (Dames and Moore, 1992).

Geologic relations and inferences suggest basement rock is comprised primarily of Mesozoic intrusive rock and pre-intrusive metamorphic rock (Ehlig, 1981).

2.6 Groundwater Characterization

The Site is located in the northwest portion of the Chino Groundwater Basin that is a subunit of the Upper Santa Ana River Basin. The lateral and vertical extent of the Chino Basin is controlled by the distribution of the Late Pleistocene and Holocene alluvial deposits. The basin is separated from surrounding hydrologic units by the Cucamonga fault zone and the San Gabriel Mountains to the north, by the Chino fault zone and Puente Hills to the west, by the San Jacinto fault zone to the east, and by impermeable subsurface geologic structures to the south (Dames and Moore, 1992).

Groundwater in the basin is contained in alluvial aquifers created by the approximately 1,000 to 2,000 feet of alluvial sediments. The uppermost aquifer is reported to be unconfined and is saturated at a depth of approximately 250 to 350 feet below ground surface. The groundwater aquifers are recharged in a small part by surface water infiltration and to a much larger extent by runoff from the nearby San Gabriel Mountains during storm events. Hydraulic conductivity and the water yield to producing wells are generally high (Dames and Moore, 1992).

The Site is in the Chino Basin Watermaster Water Management Zone Number 2. Chino Basin Watermaster Optimum Basin Management Program Draft Report indicates that groundwater is located 625 feet below ground surface. The water table in the City of Ontario, which is in close proximity to the Site, occurs approximately 250 to 300 feet below ground surface. The groundwater at GE's test cell facility located 0.25 miles southeast of the Site is at approximately 250 feet below ground surface. The gradient of the water table beneath the Site is generally to the southwest (Dames and Moore, 1992). Chino Basin Watermaster reports that the gradient throughout the Chino Basin is south/southwest.

2.7 Groundwater Well Search

The Chino Basin Watermaster, Optimum Basin Management Program indicates that there are no active (pumping) municipal, residential or industrial wells south or southwest of the Site for a distance of approximately 2.5 miles. During a February 21, 2002 telephone conversation, Mr. Bob Holub of the

RWQCB confirmed that the RWQCB has not identified active wells south to southwest of the Site for approximately 2.5 miles (Interstate 60).

3.0 SITE HISTORY

3.1 History of Property Use

MACTEC reviewed historical Site and adjacent property use to assess whether past activities conducted on the Site by GEES, past activities conducted on the Site by prior owners, or past activities conducted on adjacent properties could pose environmental concerns or impacts to the Site. MACTEC's research included conducting personal interviews, reviewing local agency records, reviewing historical city directories, historical aerial photographs, historical Sanborn Maps and historical topographic maps. MACTEC's sources of historical information included the following:

- Black-and-white aerial photographs dated 1949, 1953, 1968, 1977 to 1994 (1989 is color). Environmental Data Resources, Inc. (EDR) provided the aerial photographs to MACTEC. (Historical Information; Appendix A).
- Black-and-white aerial photographs dated 1933, 1935, 1939, 1945, 1949, 1951, 1952, 1953, and 1958 from the Fairchild Aerial Photograph Collection at Whittier College, Whittier, California.
- Historical City Directories dated 1914, 1937, 1946, 1951, 1959, 1963, 1968, 1972, 1978, 1983, 1987 and 1990. The City Directories were reviewed at the Haines Criss Cross Directories library.
- City of Ontario Building Department records.
- Historical Topographic Maps dated 1903, 1944, 1953, 1954, 1966, 1973 and 1981. USGS Topographic Map, Guasti Quadrangle, 7.5 Minute Series, Ontario Quadrangle, 15 Minute Series and Cucamonga 15 Minute Series.
- State of California, Department of Public Works, Division of Water Resources, 1953. *Investigation of Waste Discharges at Ontario International Airport, San Bernardino County,* August 10.
- State of California, California Regional Water Quality Control Board, Santa Ana Region. *Soil Gas Survey At General Electric Engine Maintenance Center, Ontario, California,* Draft Report, August 1993.
- McKesson Environmental, 1986. *Tank Integrity Tests, General Electric Company, Ontario, California,* June 9.
- McKesson Environmental, 1986. *Underground Storage Tank Removals, General Electric Company, Ontario, California,* June 23.

- McKesson Environmental, 1986. *Proposed Leak Detection Plan, General Electric Company, Ontario, California,* November 4.
- Dames and Moore, 1988. *Final Closure Report, Underground Storage Tank Site, 1923 East Avion Street, Ontario, California,* August 8.
- Dames and Moore, 1990. *Closure Plan, Hazardous Waste Management Units, Engine Maintenance Center, Ontario International Airport, San Bernardino County, California,* November 20.
- OHM Remediation Services Group, 1991. *Closure Report for Underground Storage Tanks and Vadose Wells, General Electric Aircraft Engines, Ontario, California,* May 30.
- Engineering Science, 1991. *Application for Hazardous Waste Facility, Permit Variance, General Electrical Aircraft Engines, Engine Maintenance Center, Ontario, California,* November.
- Meredith/Boli and Associates, 1992. *Information Search (Solvent Use and Potential Releases), Ontario International Airport, San Bernardino, California,* June 10.
- Dames and Moore, 1992. *Report Limited Subsurface Investigation, 8,000-Gallon Waste Calibration Fluid Underground Storage Tank, Engine Maintenance Center, 1923 East Avion Street, Ontario, California,* January 24.
- Dames and Moore, 1992. *Closure Plan, Hazardous Waste Management Unit, Three Former Underground Storage Tanks, GE Aircraft Engines, Engine Maintenance Center, Ontario International Airport, San Bernardino County, California,* February 6.
- Dames and Moore, 1992. *Contingency and Post-Closure Plan, Hazardous Waste Management Unit, 8,000-Gallon Underground Storage Tank, GE Aircraft Engine Maintenance Center, Ontario International Airport for General Electric Aircraft Engines,* February 14.
- Dames and Moore, 1992. *Report Underground Storage Tank Removal Project, Engine Maintenance Center, 1923 East Avion Street, Ontario, California,* March 30.
- Dames and Moore, 1992. *Closure Plan, Hazardous Waste Management Unit, 8,000-Gallon Underground Storage Tank and Associated Oil/Water Separator, GE Aircraft Engines, Engine Maintenance Center, Ontario International Airport, San Bernardino County, California,* September 23.
- Dames and Moore, 1992. *Report Subsurface Investigation Expanded Hazardous Waste Drum Storage Area, Engine Maintenance Center, 1923 East Avion Street, Ontario, California,* October 21.
- Canonie Environmental, 1994. *Soil Analytical Results and Request for Closure Removal of 2,000-gallon/7,000-gallon USTs, General Electric Aircraft Engines, Ontario, California,* January 7.
- Canonie Environmental, 1994. *Soil Analytical Results and Request for Closure Removal of 8,000-gallon UST, General Electric Aircraft Engines, Ontario, California,* March 31.

- Canonie Environmental, 1994. *Closure Certification Report, Closure of Hazardous Waste Management Units, GE Aircraft Engines, Engine Maintenance Center, Ontario, California,* June.

The following sections summarize the results of the historical review.

3.2 Historical Records Review

The following section presents the results of MACTEC's historical record review including aerial photographs, historical topographic maps and historical city directories of the Site. The land in the vicinity of the Site and the Site itself appears to have been developed between 1945 and 1949. The Ontario Airport is not depicted on the 1903 or 1944 Topographic Map, yet the Ontario Airport appears in operation by 1949. The airport may have been deleted from the 1944 Topographic Map for war security reasons (Appendix A).

Table 1

Historical Summary

YEAR	OBSERVATIONS/FINDINGS	SOURCE
1903	**Subject Site:** The subject Site is vacant, undeveloped land. **Adjacent Properties:** Adjacent properties in all directions appear to be vacant, undeveloped land. A few roads cross over the future airport property and a few houses are observed nearby.	Topographic Map Source: USGS Cucamonga Quadrangle Date - 1903
1933	**Subject Site:** The subject Site and surrounding areas are agricultural land. **Adjacent Properties:** Adjacent properties in all directions appear to be vacant undeveloped land.	Aerial Photograph Source: Fairchild Date: 4/14/33 Scale: Est. 1"=1500'
1935	**Subject Site:** The subject Site and surrounding areas are agricultural land. **Adjacent Properties:** Adjacent properties in all directions appear to be vacant undeveloped land.	Aerial Photograph Source: Fairchild Date: 9/8/35 Scale: 1"=1000'
1939	**Subject Site:**	Aerial Photograph

YEAR	OBSERVATIONS/FINDINGS	SOURCE
	The subject Site and surrounding areas are agricultural land. **Adjacent Properties:** Adjacent properties in all directions appear to be vacant undeveloped land. The airport does not exist at its current location.	Source: Fairchild Date: 2/5/39 Scale: 1"=600'
1944	**Subject Site:** The subject Site buildings are not depicted in the 1944 Topographic Map. **Adjacent Properties:** All areas appear to be open, undeveloped land with a few minor buildings. The Union Pacific Railroad tracks are located south of the Site.	Topographic Map Source: USGS Cucamonga Quadrangle Date – 1944
1948	**Subject Site:** Portions of the subject Site are depicted in the 1948 Aerial Photograph. Although the Area of Focus building is not developed, Hangar 1 and Hangar 2 are visible and developed.. The area where Hangar 4 would be located appears as an agricultural area. **Adjacent Properties:** Ontario Airport is to the north. Aircraft are located to the northwest. Open, undeveloped areas are located to the south, east and northeast. E. Avion Street borders the property on the south with the Union Pacific railroad south of Avion Street.	Aerial Photograph Source: Fairchild Date – 1948 Scale 1"=1666'
1949	**Subject Site:** The subject Site appears as it did in the 1948 aerial photograph. The area where Hangar 4 would be developed is a cleared field. **Adjacent Properties:** Adjacent properties to the north are the Ontario Airport. Adjacent properties to the east are cleared fields for airplane storage. Adjacent properties to the south are cleared fields for airplane storage, beyond which are Mission Blvd. and industrial buildings. Adjacent to the west are airport/industrial buildings.	Aerial Photograph Source: Fairchild Date – 1949 Scale 1"=750'
1951	**Subject Site:** The subject Site consists of Hangar 1 and 2. Hangar 3 appears to be under construction. Hangar 4 is covered with agricultural	Aerial Photograph Source: Fairchild Date: 1951 Scale: 1"=3000'

YEAR	OBSERVATIONS/FINDINGS	SOURCE
	land. **Adjacent Properties:** Surrounding properties appear as they did in 1949 with undeveloped land surrounding the Site on the east and south.	
1952	**Subject Site:** The subject Site consists of Hangars 1, 2 and 3. Hangar 4 appears to be undeveloped land. **Adjacent Properties:** To the north, Ontario Airport. To the northwest, buildings with aircraft parked around them. To the northeast unidentifiable structures possibly used for storage. To the east and south undeveloped land with small aircraft runways or parking. To the south Avion Street and Union Pacific railroad.	Aerial Photograph Source: Fairchild Date: 7/22, 8/7, & 11/19/52 Scale: 1"=1966'
1953	**Subject Site:** The Site consists of Hangars 1, 2, and 3. Hangar 4 area soils are disturbed and appear to be graded. A dark, access road leads from Avion Street to Hangar 4. **Adjacent Properties:** Adjacent properties to the north are a field for aircraft storage and the Ontario Airport. Adjacent properties to the east are cleared fields for airplane storage. Adjacent properties to the south are cleared fields for airplane storage, beyond which are industrial buildings and Mission Blvd. Adjacent to the west are airport/industrial buildings.	Topographic Map Source: USGS Guasti Quadrangle Date –1953 Topographic Map Source: USGS Ontario Quadrangle Date – 1954 Aerial Photograph Source: Southwestern Date – 1953 Scale 1"=833'
1953	**Subject Site:** The subject Site appears unchanged from the previous 1953 photograph with the following exceptions. A portion of Hangar 4 has been constructed. Hangar 4 is an inverted L-shaped building. Vehicles are parked around the building. The immediate area surrounding Hangar 4 appears to be bare earth. The areas immediately surrounding Hangar 4 are cleared of vegetation. **Adjacent Properties:** Adjacent properties to the north are a field for vehicle and	Topographic Map Source: USGS Guasti Quadrangle Date – 1953 Topographic Map Source: USGS Ontario Quadrangle Date – 1954 Aerial Photograph

YEAR	OBSERVATIONS/FINDINGS	SOURCE
	aircraft parking and the Ontario Airport. Adjacent properties to the east are cleared fields for aircraft parking. Adjacent properties to the south are cleared areas, beyond which are Avion Street, industrial buildings, Union Pacific railroad and Mission Blvd. Adjacent to the west are airport/industrial buildings.	Source: Fairchild Date – 5/6/1953 Scale 1"=433'
1966 and 1968	**Subject Site:** Hangar 4 is depicted in 1966. **Adjacent Properties:** Adjacent properties to the north are a field for aircraft storage and the Ontario Airport. Adjacent properties to the east (of Hangar 4) are small containers or truck trailers and a parking lot. Adjacent properties to the south are a parking lot, beyond which are Mission Blvd. and industrial buildings. Adjacent to the west are airport/industrial buildings.	Topographic Map Source: USGS Guasti Quadrangle Date – 1966 Aerial Photograph Source: Teledyne Date – 1968 Scale 1"=480'
1973 and 1977	**Subject Site:** In 1973, Hangar 4 is observed to have a few areas added to its western side and appears as it does today. **Adjacent Properties:** Adjacent properties in all directions appear similarly as described in 1968.	Topographic Map Source: USGS Guasti Quadrangle Date - 1973 Aerial Photograph Source: Teledyne Date – 1977 Scale 1"=480'
1981 and 1989	**Subject Site:** By 1989, Hangar 4 is present in its current configuration. The Site appears to be fully developed. **Adjacent Properties:** Adjacent properties to the north are the Ontario Airport. Adjacent properties to the east (of Hangar 4) appears to be a vacant paved lot. Adjacent properties to the south are a parking lot, beyond which are industrial buildings and Mission Blvd. Adjacent to the west are airport/industrial buildings.	Topographic Map Source: USGS Guasti Quadrangle Date - 1981 Aerial Photograph Source: USGS Date – 1989 Scale 1"=666'
1994	**Subject Site:** The Site appears as currently developed. **Adjacent Properties:** The adjacent properties to the north are the Ontario Airport.	Aerial Photograph Source: USGS Date – 1994 Scale 1"=666'

YEAR	OBSERVATIONS/FINDINGS	SOURCE
	Adjacent to the east appears to be an asphalt area. Adjacent to the south, are parking areas, East Avion and industrial buildings. Adjacent to the west are airport/industrial buildings.	

3.2.1 Historical Review

According to the MBA report (Appendix H), dated June 10, 1992, the Ontario Airport served as a municipal airport during the 1930's, a military base in the 1940's, and in the 1950's, the post-war industrial boom caused the development of various aircraft production and maintenance facilities at the Ontario Airport.

The 1945 aerial photograph of the Site indicates that hangars were not present at the Site. By 1948, two hangars were present (MBA page 25). The 1949 aerial photograph shows that Hangars 1 and 2 are present; one (present day Hangar 1 adjacent to Tool Control) has an Ontario emblem on the roof. (Appendix B) The building in the Area of Focus are not present. The 1951 aerial photograph shows Hangar 3 being constructed. The 1952 aerial photograph shows that Hangar 3 has been constructed. The early 1953 aerial photograph shows that the ground is disturbed where Hangar 4 is located. The May 6, 1953 aerial photograph shows that Hangar 4 had been constructed and it forms an L-shaped structure. Other sections of Hangar 4 were added at a later date.

MBA indicated that General Electric's Aviation Service operation was moved to the current site in 1955 (MBA, page 12).

The 1966 aerial photograph shows that Hangar 4 has been completed to its present shape and size.

The following sections discuss each Area of Focus from information obtained from the MBA report, topographical maps, aerial photographs, interviews and other sources of information as listed in Section 7.0

Based on a review of aerial photographs, Hangar 4 appears to have been constructed in early 1953. According to MBA (page 70), Lockheed Aircraft Service Company (LAS) previously occupied Hangar 4, historically known as Hangar 4, from about 1956 through 1980.

"According to a Building Department Permit, dated 7 December 1956, Lockheed installed a 1,240-gallon septic tank and a 35-foot deep cesspool (located at the old Northrop area)" (MBA, page 70). MACTEC could not identify the exact location of the "Old Northrop Area". Mr. David Lu, former Environmental, Health and Safety Manager with GEES from 1989 to 1998, stated that in 1990 Hangar 4 was connected to the GE Facility's domestic sewer lines. He did not recall the location or disposition of the septic tank, cesspool or any associated leach field that served Hangar 4. Ontario Building Department permits/applications verify a sewer connection being made in 1990 (Appendix D). During the Phase 1 ESA, MACTEC did not find closure reports and/or sample results to close these features.

Historically, no USTs, except for the septic tanks, were identified in the immediate vicinity or associated with Hangar 4. The closest USTs were approximately 200 feet west of Hangar 4 in the area of the historical Test Cell. On 17 October 1994, the DTSC issued an "Acceptance of Closure Certification" letter to GE Engine Services for this and other USTs (Appendix F).

In the past, Hangar 4 has been used for several activities. From 1956 to 1980, Lockheed conducted undisclosed manufacturing activities in the building. According to Mr. Roman Riebli, a Shipping/Receiving Facilitator/Supervisor employed with GEES, since approximately 1980, Hangar 4 was used for manufacturing the mounts for the Vulcan Gun on personnel carriers. Welding operations were conducted as part of this manufacturing process. Aluminum cleaning tanks containing caustic soda were present in the building to clean aluminum parts prior to welding. The cleaning tanks were reportedly located east of the current break area. Aluminum parts were sent offsite to be anodized. Radial saws with red saw blades used to cut steel were present in the northwestern corner of the building. Aerial photographs show that Hangar 4 roof is stained a reddish-brown in this area. According to Mr. Riebli, the red saw blades caused this staining (Photos 1 & 32).

During the Site visit, a raised area was identified in northwestern corner of the eastern-half of Hangar 4. The area is approximately 15-by-15 feet, on an approximately 3-inch high concrete pad and had a cinder-block

wall on the western wall. A large vent approximately 8-feet above the floor was also present in the western wall of this area. The purpose of the vent could not be determined from present-day operations. Minor staining running down the cinder blocks from the vent was noted on the wall. The staining indicates that the vent may have been used to vent vapors from possible rinse tanks. It is likely this is the area east of the break area formerly used as a caustic clean line spoken of by Mr. Reibli (Section 4.1.1). A desk was located along the northern wall of this area and a storage rack was located along the west wall (Photo 20).

A former restroom was identified by the presence of 1-by-1-inch, ceramic tile and cement patches where drains may have been located were identified in the eastern half of the main building

3.2.2 Historical City Directories

MACTEC obtained available historical city directories for the Site from EDR. MACTEC reviewed addresses likely to have been historically associated with the Site on East Avion Drive. This information is summarized below (Appendix E):

1923 E. Avion Drive

1914	Alphabetical index only.
1937 to 1983	Street not listed in research source.
1987	General Electric Sales.
1990	GE Co. Maintenance Center.

Surrounding Properties-E. Avion

1914	Alphabetical index only.
1937 to 1972	Street not listed in research source.

1987	No addresses listed prior to 1801 East Avion.
	Beechcraft West Ont/DLB Interiors/P&M Airlines (2161).
1990	No addresses listed prior to 1801 East Avion.
	Federal Express Pickup (1801) East Avion,

Beechcraft West Ont/DLB Interiors/US Agri Forest Air (2161).

No addresses listed beyond 2161 East Avion.

3.3 Agency File Review

3.3.1 County of San Bernardino Fire Department

MACTEC contacted the County of San Bernardino Fire Department (SBFD) for records concerning the storage of hazardous materials/waste, hazardous spills and USTs at the Site. SBFD stated that they do not maintain environmental records and deferred to the County of San Bernardino Environmental Health Services Department (SBDEH).

3.3.2 County of San Bernardino Department of Environmental Health Services

MACTEC contacted the SBDEH that maintains records concerning the utilization, manufacture, storage or discharge of hazardous materials/waste, and for information concerning previous or on-going site investigations and/or remediation pertaining to hazardous materials/waste for 1923 East Avion Street. These records are discussed below in Section 3.4 Summary of Previous Environmental Reports.

3.3.3 Division of Oil and Gas-Munger Map Book

Review of Munger Map Book records indicated no historic oil wells within one mile of the Site.

3.3.4 City of Ontario Building Department

MACTEC reviewed City of Ontario Building Department records. Various permits were identified for the overall GE Ontario facility from 1980 to 1997.

From MACTEC's review of the GE Ontario Facility, the only feature impacting the Area of Focus is the installation of the wastewater line (sewer) in 1990. Based on MACTEC's interview with Mr. Lu, this was the connection of Hangar 4's sanitary sewer to the Site's sanitary sewer system. Ms. Du Bois stated that based on her conversations with a City of Ontario Building Department representative, sanitary sewer connections were made in 1985 connecting the Site to the City of Ontario's sanitary sewer system.

Other permits were identified, however, these were not found to be environmentally significant or pertaining directly to the buildings in the Area of Focus.

3.4 Summary of Previous Environmental Reports

MACTEC requested previous environmental reports from Ms. Du Bois (Site Contact) at GEES. Ms. Du Bois provided several reports. Additional reports were acquired through the SBEHD and the DTSC.

In its review of these environmental reports, MACTEC did not identify any documented environmental areas of concern with the potential to impact the Area of Focus:

3.5 Summary of Historical Information

Based on MACTEC's historical research, the Site was developed in approximately 1950 with Northrop Aircraft Company manufacturing new aircraft on the northern side of Site in Hangar 1 and 2. Douglas Aircraft was reported to have begun repairing aircraft on the southern side of Site in approximately 1952 in Hangar 3. Hangar 3 appears to have been constructed in approximately 1952. By 1955, GE Engine Services was reported to have moved their facilities to Ontario in Hangars 1, 2 and 3. In approximately 1956, Lockheed Aircraft constructed Hangar 4 building and conducted undisclosed operations. GEES acquired Hangar 4 in approximately 1980.

MACTEC did identified only one historical recognized environmental concerns (RECs):

- According to a 1956 Building Department Permit, Lockheed Aircraft Services installed a 1,240-gallon septic tank and a 35-foot-deep cesspool for Hangar 4. The cesspool was reportedly located at the "old Northrop area", an area that could not be located by MACTEC. Hangar 4 was connected to the Site's sanitary sewer system in 1990. Mr. David Lu, an Environmental Manager formerly employed with GE Engine Services, stated that a septic tank/leach field existed for Hangar 4. Mr. Lu could not recall the location of this septic tank/leach field. Closure or sampling data for the leach field and septic system could not be located at the time of the ESA.

4.0 SITE RECONNAISSANCE

4.1 Site Reconnaissance

The initial Site inspection was conducted on October 10 and 18, 2001, by MACTEC's Mr. Wayne Leung and Mr. Richard Hamaker. Additional walkthrough inspections were conducted on November 4, and November 20, 2002 by Messrs. McKenna and Hamaker. The walkthrough inspections were conducted onsite to identify visible evidence of RECs. Photographs taken during MACTEC's Site inspection are provided in Appendix C.

4.1.1 Interviews with Persons Knowledgeable about the Site

Personal interviews were conducted with individuals having knowledge of either the Site or surrounding areas. These interviews are summarized below:

- **Mr. Donald Davidson** – Mr. Davidson, Quality Engineering Specialist, began working at the Site in 1981. He stated that he did not have knowledge of former activities or operations conducted in Hangar 4.

- **Ms. Theresa Du Bois**- Ms Du Bois of GE Engine Services is an Environmental Health Services Specialist. Ms. Du Bois provided MACTEC with a recent environmental history of the current development. To Ms. Du Bois' knowledge there have been no recent/current environmental violations or issues concerning the Site. The Site does dispose of hazardous waste. A 55-gallon drum of oil/fuel filters is generated at the scrap yard located adjacent to on the northwestern of Hangar 4. Ms. Du Bois also stated that to her knowledge there were no underground storage tanks currently on the Site.

- **Mr. David Lu**-Mr. Lu was the former environmental manager for the Site from 1989 to 1998. He stated that fluorescent penetrant may have been used in Hangar 4. Mr. Lu stated that he did not remember any USTs in or associated with Hangar 4. Mr. Lu stated that Hangar 4 was connected to the Facility's wastewater sewer line in 1990. He stated that prior to that time Hangar 4 was connected to a septic system. He stated that he remembered that there was septic leach field at Hangar 4 building; however, he did not remember where it was located. He also could not remember if soil samples had been collected in the leach field.

- **Don Nowotney** – Mr. Nowotney, Supervisor, began working at the Site in 1966 as a "bench mechanic" in Hangar 1. In 1970 he transferred to Hangar 3 and worked on J-85 nozzles until 1977. In 1977 he transferred back to Hangar 1 as a work supervisor until 1986. He worked in Hangar 2 until 1989 and then transferred back to Hangar 1 until the present. Mr. Nowotney described activities in Hangar 3, Tool Control and Hangar 4. He confirmed that test stands were present in Tool Control and that flow control was located in the northeast corner of Tool Control. He stated that Hangar 4 constructed portable test stands and made modifications to gattling guns for tanks. (Because he did

not personally work in Hangar 4 and because this could not be confirmed, it is not mentioned elsewhere in the report).

- **Roman Riebli** – Mr. Riebli, Shipping/Receiving Supervisor/Facilitator, began working at the Site in 1967. Mr. Riebli described operations in Hangar 4 including the aluminum cleaning line, welding and the manufacture of mounting stands for the "Vulcan Gun" on personnel carriers. He specified the location of the clean line and explained the roof staining in the northwest corner of the building as caused by the colored saw blades used to cut mounting stands and barrels. He stated that aluminum parts were sent off site for anodizing.

4.1.2 Property Inspection

On October 10 and 18, 2001 Mr. Leung performed the initial walkthrough inspection of the Area of Focus. Mr. Leung observed the Area of Focus grounds and structures for visible evidence of RECs. In addition to the Area of Focus, operations at the Site were observed in the vicinity of the Area of Focus. Messrs. McKenna and Hamaker conducted additional walk through inspections on the dates stated above to note any changes that may have occurred since the initial inspection. Changes had been made, but none that environmentally impacted the property or caused an REC.

4.1.3 Access to the Area of Focus

The Area of Focus is accessible from E. Avion Drive on the south and a locked gate by Tool Control from the Ontario International Airport on the north.

4.1.4 Aboveground/Underground Storage Tanks, Sumps and Pits

Currently, there are no USTs known to be associated with the Site or Area of Focus.

MACTEC identified 15 USTs that historically existed on the Site. All Site USTs have reportedly been properly removed and have received an acceptance of certification of closure from DTSC in 1994 (DTSC Acceptance of Certification of Closure 1994, Appendix F.

4.1.5 Wooded Areas

There are no native wooded areas on Area of Focus.

4.1.6 Water Bodies

There are no natural water bodies on the Area of Focus.

4.1.7 Drainage Paths

Stormwater drains south/southeasterly to a storm drain in the parking areas south of the Site and Area of Focus. Stormwater swales have been placed throughout the Site to direct stormwater away from buildings and the facility. Staining was not observed in the swells.

4.1.8 Onsite Utilities

The Site and Area of Focus utilities are provided by the following: City of Ontario (sanitary sewer and water), and Southern California Edison (electric) and Southern California Gas (gas). An electrical "substation" with three, ground-mounted transformers is located to the west of Hangar 4 in a fenced area on a concrete pad. No staining was observed (Photo 11 & 28). Transformers are discussed in Section 4.2.

No other onsite utilities, drains, vent pipes, or wells were observed in the Area of Focus.

4.1.9 Building Ruins

No remnants of former buildings were observed in the Area of Focus.

4.1.10 Heavy Equipment

Construction vehicles were not observed in the Area of Focus.

4.1.11 Obvious Odors

No chemical or petroleum smells or foul odors were noted during the Site or Area of Focus inspection.

4.1.12 Evidence of Landfills, Dumping, or Burial Activities

No evidence of landfilling or burial activities was observed at the Site or Area of Focus.

4.1.13 Evidence of Surface Impoundments or Holding Ponds

No surface impoundments or holding ponds were identified in the Area of Focus.

4.1.14 Evidence of Air Emissions or Wastewater Discharge

The GE Ontario Facility has an industrial wastewater treatment plant that discharges to the City of Ontario sewer system. This plant is permitted through the "permit by rule" system. The industrial wastewater permit number is 12416R-1 issued by the Inland Empire Utilities Agency and County Sanitation Districts of Los Angeles County. This wastewater treatment plant is not in the Area of Focus. Ms. DuBois stated that buildings within the Area of Focus reportedly do not discharge industrial wastewater and are not connected to the wastewater treatment plant.

Currently, there are no active air permits for the buildings in the Area of Focus.

4.1.15 Evidence of Industrial or Manufacturing Activities

During the October 2001 Area of Focus visit, manufacturing activities were not observed within the Hangar 4. Hangar 4 was used for storage of engine equipment and parts, tool control and scrap yard/salvage yard functions.

Chemical storage was observed in the Cold Storage Room located inside Hangar 4 on the eastern exterior wall. Chemicals were stored in proper chemical/flammable cabinets and containers. Miscellaneous storage of chemicals was noted on metal shelving. Chemicals in this area were stored in squeeze tubes and pint, quart and gallon-size plastic and glass containers. Chemicals included lubricants, adhesives and other similar production chemicals. The room has a coated, concrete-floor. Staining or other evidence of spills were not observed in the Cold Storage Room.

4.1.16 Monitoring Wells or Remedial Activities

No evidence of monitoring wells or remedial activities were observed in the Area of Focus. Sealed bore-holes were observed to the west of Hangar 4. These were reportedly part of the subsurface investigation performed during the closure of the former EDSA and closure of the former Test Cell.

4.1.17 Evidence of Stained or Discolored Soil

No evidence of stained or discolored soils was observed in the Area of Focus.

4.1.18 Evidence of Leachate or Seeps

No evidence of leachate or seeps was identified in the Area of Focus.

4.1.19 Evidence of Distressed, Discolored, or Stained Vegetation

No evidence of distressed, discolored or stained vegetation was observed in the Area of Focus.

4.1.20 Evidence of Chemical Spills or Releases

No evidence of chemical spills or releases was observed in the Area of Focus.

4.1.21 Evidence of Groundwater and Surface Water Contamination

No evidence of groundwater or surface water contamination was observed in the Area of Focus.

4.1.22 Oil or Gas Well Exploration, Production, or Refinery Activities

No current evidence of oil or gas well exploration, production, or refinery activities was identified at the Site or Area of Focus.

4.1.23 Evidence of Farm Waste Concerns

No evidence of farm waste was identified at the Site or Area of Focus.

4.1.24 Discharges, Leachate, Migration, or Runoff of Potential Contaminants from Offsite Sources

No discharges, leachate, migration, or runoff of potential contaminants from offsite sources were identified in the Area of Focus.

Ms.DuBois pointed out that runoff from the Ontario International Airport flows onto the Site. Observation of the surface gradient confirms this statement. This was not observed during the Site visit.. The Area of Focus is protected by the stormwater swales that are strategically placed throughout the Site. It could not be determined during the Site visit to what extent the Area of Focus is protected by these stormwater swales.

4.1.25 Other Known or Observed Environmentally Sensitive Conditions

MACTEC reviewed the Site with Ms. DuBois. To Ms. DuBois' knowledge, there currently are no known or observed environmentally sensitive conditions.

4.2 Transformers and PCB Equipment

Three pad-mounted transformers are located west and outside of Hangar 4. They are enclosed in a fenced area on a concrete pad. The number on the fenced area is PAE 74. The number on each of the three transformers is 465-00336. None of the three transformers were labeled in reference to PCB content. Historical data on these transformers was not provided.

Staining was not observed on or around any of the transformers. Pad-mounted transformers were free of debris and weeds.

All transformers are owned and operated by Southern California Edison (SCE). SCE has declared that none of there transformers are polychlorinated biphenyl (PCB)-containing. None of the transformers were labeled with either Non-PCB containing or PCB-containing labels.

Fluorescent light fixtures were observed in all three buildings in the Area of Focus. Based on the ages of the buildings, it is possible that the ballasts for these fixtures may contain PCB. According to Ms. Du Bois, fixtures are changed as needed. To her knowledge replacement of all light fixtures in buildings within the Area of Focus has not been done.

No other fluid containing, PCB-containing equipment /materials were observed in the Area of Focus.

4.3 Asbestos-Containing Materials

Clayton Environmental Consultants conducted an asbestos survey in November 1989. The survey report dated January 9, 1990 lists identified asbestos-containing materials. The following asbestos containing materials were identified during the survey:

Hangar 4 and Tool Control Building (Annex)

- 9-by-9-inch beige/yellow floor tile.
- Mastic under 9-by-9-inch beige/yellow floor tile.

On November 20, 2002, MACTEC conducted an building survey of suspect asbestos-containing materials. Results are pending.

4.4 Lead-Based Paint

From March 5 to April 4, 1996 Health Science Associates conducted a lead-based paint survey and personal air monitoring at the facility. The survey identified the following materials to be lead containing based on Cal/OSHA's interpretation of lead-based paint which is any paint containing 0.06% lead or more:

Hangar 4 and New Tool Control

- East corrugated wall
- Middle gray column
- Exterior pink corrugated wall
- Exterior yellow corrugated wall
- Corrugated wall in lunchroom
- Tool Control room support beams.

On November 20, 2002, MACTEC conducted a lead-based paint survey of Hangar 4. Results are pending.

4.5 Onsite Regulated Substance Identification/Inventory

During MACTEC's October 2001 inspection, we noted a Chemical Storage Area in Hangar 4 building. This storage area was separately secured. The chemicals stored within this area were stored on shelves with no evidence of leakage or spillage. Generally the chemicals were stored in pint or quart sized containers. All containers were observed to be in good condition. Chemicals observed in the Chemical Storage Area consisted mainly of acetone, adhesives, and isopropyl alcohol.

During November 2002 visits, chemicals had been removed from this room and the room cleaned. MACTEC did not observe evidence of chemical spills or staining.

4.6 Radon

No radon testing was conducted at the Site, as the Site is in an EPA Radon Zone 2 (indoor-average level greater than or equal to 2 picoCuries per liter and less than or equal to 4 picoCuries) according to the EPA's Map of Radon Zones. The EPA Action level for radon is 4 picoCuries per liter. Radon does not appear to be an environmental concern for the Site.

4.7 Solid and Hazardous Wastes

During the initial Site inspection, one drum of California-listed, non-RCRA hazardous waste was observed in the Area of Focus during the Site visit. The drum filled with oil/fuel filters was noted in the Scrap Yard adjacent to the northwestern corner of Hangar 4. The drum was in good condition without signs of leakage or spills. Oil filters are properly labeled and transported by Clean Harbors in Kimball, Nebraska for disposal. This is the only "hazardous waste" generated in the Area of Focus. This is a non-RCRA, California Listed hazardous waste.

Solid/municipal wastes are compacted onsite and transported and disposed by the City of Ontario.

Scrap metal is collected in bins and transported and disposed/recycled by Utica Alloy, Inc., of New York City New York.

Recycled Wood Products of Los Angeles, California transports and recycles wood products generated at the Site.

4.8 Surfacing

The surface areas surrounding the Area of Focus and the Site are predominantly covered by asphalt. The condition of the surfacing materials observed by MACTEC is as follows:

The area surrounding Hangar 4 is asphalt covered. On the west side in the immediate area of Hangar 4 the asphalt is cracked and has been re-coated or patched in several places. Approximately 50 feet to the southwest from Hangar 4, the asphalt is cracked with anthills visible in the asphalt. The area to the south is in good condition without significant cracking. The asphalt is cracked and appears in poor condition (it is still cohesive) on the southeast and east sides in the area known as the Bone Yard. The asphalt to the north appears in fair condition with minor cracking. A stormwater swell directs stormwater away from Hangar 4 on the north side of the building. Staining was not observed on the asphalt-covered areas surrounding Hangar 4 (Photo 3,4,5,8 &10).

4.9 Adjacent Property Use

MACTEC performed a drive-by reconnaissance of the properties adjacent to the Site to observe businesses that may use, store, generate, or dispose of hazardous materials. Adjacent properties are identified on Plate 2, and are described below:

- North: The adjacent property to the north of the Site (and north of Tool Control) is the Ontario Airport.
- East: The adjacent property to the east of the Site (and east of Hangar 4), is a vacant paved lot.
- South: The adjacent properties to the south of the Site (and south of Hangar 3), is parking lot for the Site.
- West: The adjacent properties to the west of the Site (and west of Tool Control), are airport/industrial buildings.

MACTEC notes that the Area of Focus is located within the Site that performs manufacturing and engine repair services.

The adjacent properties to the Site do not appear to be of environmental concern at this time. The airport proper is not listed on any environmental data bases. Properties within the airport but not adjacent to the site such as Lockheed are listed on environmental data bases.

5.0 REGULATORY AGENCY RESEARCH

5.1 Published Government List Review

Regulatory agency database information was obtained from Environmental Data Resources Radius Map Report (EDR), which maps and lists properties in government and state environmental databases with existing conditions or status that may have the potential to impact the Site. The EDR report is provided as Appendix D.

Federal Environmental Record Sources

ASTM E 1527-00 guidance required review of the following federal databases:

- **Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS, 0.500 mile), May 14, 2001** - CERCLIS contains data on potentially hazardous waste sites that have been reported to the U.S. Environmental Protection Agency (EPA) by states, municipalities, private companies, and private persons pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The CERCLIS List includes sites that are either proposed for the National Priorities List (NPL) or in the screening and assessment phase for possible inclusion on the NPL. Source: EPA/National Technical Information Service (NTIS).

  There are no listed properties within 0.5 mile of the Site.

  CERCLIS-No Further Remedial Action Planned (CERCLIS-NFRAP, 0.250 mile), May 14, 2001 - CERCLIS-NFRAP contains data on sites, where following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be place on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. Source: EPA/National Technical Information Service (NTIS).

  (Site) GE Engine Services Inc, 1923 E. Avion Street The Site is listed to have completed the "discovery" and "preliminary assessment" stages in 1986. The Site is noted to not be a Federal Facility. The Site is also noted to be a FINDS, TRIS, CORRACTS, RCRIS-LQG, CA FID UST, ERNS, San Bernardino Co. Permit, Hist UST and CA Bond Exp. Plan facility. See the discussions below.

  Emergency Response Notification System (ERNS, target property), August 8, 2000 - ERNS is a national database that records and stores information on reported releases of oil and hazardous substances. The database contains information on spill reports made to federal authorities including the EPA, U.S. Coast Guard, National Response Center, and Department of Transportation. Source: EPA/NTIS.

(Site) 1923 E. Avion Street. The Site was listed on seven separate listings for ERNS. No information was provided within any of the listings for the Site.

- **National Priorities List (1.000 mile), July 26, 2001** - The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. An NPL site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the U.S. Department of Health and Human Services and the EPA. Source: EPA.

  There are no listed properties within 1.0 mile of the Site.

- **Proposed NPL (1.000 mile), July 26, 2001** - The Proposed NPL is a listing of site being considered for NPL status. Source: EPA.

  There are no listed properties within 1.0 mile of the Site.

- **Resource Conservation and Recovery Information System (RCRIS), June 21, 2000** - RCRIS includes selected information on facilities that generate, transport, store, treat and/or dispose of hazardous waste, as defined by the Resource Conservation and Recovery Act (RCRA). Source: EPA/NTIS. RCRIS includes the following databases:

- **RCRIS Treatment, Storage, and Disposal (TSD) Facilities (0.500 mile)** - Facilities that treat, store, and/or dispose of hazardous wastes.

  There are no listed properties within 0.5 mile of the Site.

- **RCRIS Generators Lists (0.250 mile)** - RCRIS large quantity generators (LQG) are those facilities that generate at least 1,000 kilograms per month of non-acutely hazardous waste or meet other applicable RCRA requirements. RCRIS small quantity generators (SQG) generate less than 1,000 kg/month of non-acutely hazardous waste or meet other applicable RCRA requirements.

  American LA France with LA, 1049 Vineyard Avenue, approximately 0.12 miles southwest (downgradient) of the Site. This property was listed to be a RCRIS Small Quantity Generator with no violations. Based on the downgradient location of this property, it is not anticipated to environmentally impact the Site.

  (Site) 1923 E. Avion Street. The Site was listed as a RCRIS Large Quantity Generator. The Site was noted to have a low priority violation in 1988 and another low priority violation in 1990. Both of the areas of violation were "TSD-Other Requirements". The 1990 violation was settled via a monetary payment; the 1988 violation was addressed with no reported fee.

- **Corrective Action Report (CORRACTS, 1.000 mile), March 27, 2001** - CORRACTS identifies hazardous waste handlers with RCRA corrective action activity. Source: EPA.

  (Site) GE Engine Services Inc, 1923 E. Avion Street The Site is listed to have a "Soils" event in 1996. No other information was provided.

California Environmental Record Sources

ASTM E 1527-00 requires review of the following state databases:

- **Bond Expenditure Plan (BEP, 1.000 mile), January 1, 1989** - DHS developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. The BEP is not updated. Source: California Department of Health Services (DHS).

  (Site) GE Engine Services Inc, 1923 E. Avion Street No information was provided.

- **Cal-Sites Annual Workplan (AWP, 1.000 mile), November 8, 2000** - This database (formerly BEP), provided by Cal/EPA's Department of Toxic Substances Control (DTSC), identifies known hazardous substance sites that have been targeted for cleanup. Source: California Environmental Protection Agency (Cal/EPA).

  GE Aircraft, Engine Maintenance, 2264 E. Avion Street, approximately 0.19 mile southeast (crossgradient) of the Site. This property is associated with, but is different from the Site. This property is only listed as a "Facility type: RP". This property is also listed as a CalSite and Cortese property. Based on the crossgradient location from the Site, this property is not anticipated to be an environmental concern.

  Cal-Sites (formerly known as ASPIS) (1.000 mile), October 1, 2000 - The Cal-Sites database lists potential or confirmed hazardous substance release properties. Source: Cal/EPA DTSC.

  GE Aircraft, Engine Maintenance, 2264 E. Avion Street, approximately 0.19 mile southeast (crossgradient) of the Site. This property is associated with, but is different from the Site. This property is listed as an active property in 1996. This property is also listed as an AWP and Cortese property. Based on the crossgradient location from the Site, this property is not anticipated to be an environmental concern.

  USANG Ontario Air National Guard Station, 1280 S. Tower Drive, approximately 0.55 miles east-southeast (crossgradient) of the Site. This property status was listed as "Certified as having been remedied satisfactorily under DTSC" as of 9/11/2000. Based on remedied status of this property and the crossgradient location of this property, it is not anticipated to environmentally impact the Site.

- **California Hazardous Material Incident Report System (CHMIRS, 1.000 mile), December 31, 1994** - CHMIRS contains information on reported hazardous material incidents (accidental releases or spills). No update of this list is planned. Source: California Office of Emergency Services (OES).

  Eleven listings were reported as having had spills of material to the ground or air between 1988 and 1991. These listings are considered one-time spill events and are not anticipated to environmentally impact the Site.

- **Cortese List (1 mile), April 1, 2001** - This database contains summary information pertaining to contaminated sites in California. The sites for the list are designated by the State Water Resources Control Board (leaking underground storage tanks [LUSTs]), the California Integrated Waste Management Board (SWF/LF [see below]), and the DTSC (Cal-Sites). Source: Cal/EPA/Office of

Emergency Information.

GE Aircraft, Engine Maintenance, 2264 E. Avion Street, approximately 0.19 mile southeast (crossgradient) of the Site. This property is associated with, but is different from the Site. This property is listed as being also a CalSite and having a leaking underground storage tank (LUST). The property is listed to be in pollution characterization. Based on the crossgradient location from the Site, this property is not anticipated to be an environmental concern.

Fluor Corporation, Flight Operations, 1150 Vineyard, approximately 0.25 miles south-southwest and downgradient of the Site. This property was noted to have a leaking underground tank that is closed by the regulatory agencies. Because of the closed status and downgradient location of this property, it is unlikely that the Site has been impacted by this property.

Lockheed Aircraft Service Comp, Ontario International Airport, approximately 0.65 miles north-northwest and crossgradient of the Site. This property was noted to have a leaking underground tank that is closed by the regulatory agencies. Because of the closed status and crossgradient location of this property, it is unlikely that the Site has been impacted by this property.

Wells Fargo Bank, 1862 Holt Boulevard, approximately 0.75 miles north (upgradient) of the Site. The property is noted to have a leaking underground storage tank. No other information is provided. Based on the distance of this property from the Site, it is unlikely that the Site has been impacted by this property.

Lockheed Air Terminal, Ontario International Airport, approximately 0.95 miles east-southeast and crossgradient of the Site. This property was noted to have a leaking underground tank that is closed by the regulatory agencies. Because of the closed status and cross-gradient location of this property, it is unlikely that the Site has been impacted by this property.

Smithford Products Company, 1401 S. Baker Avenue, approximately 0.45 miles southwest (downgradient) of the Site. This property was noted to have a leaking underground tank that is closed by the regulatory agencies. Because of the closed status and downgradient location of this property, it is unlikely that the Site has been impacted by this property.

Hertz Rent A Car, 2060, approximately 0.55 miles south-southeast (downgradient) of the Site. The property is noted to have a leaking underground storage tank. No other information is provided. Based on the downgradient location of this property from the Site, it is unlikely that the Site has been impacted by this property.

Leaking Underground Storage Tank Information System (LUST, 0.500 mile), August 7, 2001 - The LUST database is a list of reported leaking underground storage tank incidents. Source: State Water Resources Control Board (SWRCB).

Fluor Corporation, Flight Operations, 1150 Vineyard, approximately 0.25 miles south-southwest and downgradient of the Site. This property was noted to have a leaking underground tank that is closed by the regulatory agencies in 1992. Because of the closed status and downgradient location of this property, it is unlikely that the Site has been impacted by this property.

Smithford Products Company, 1401 S. Baker Avenue, approximately 0.45 miles southwest

(downgradient) of the Site. This property was noted to have a leaking underground tank that is closed by the regulatory agencies in 1987. Because of the closed status and downgradient location of this property, it is unlikely that the Site has been impacted by this property.

- **Proposition 65 Notification Records (NOTIFY 65, 1.000 mile), October 21, 1993** - The NOTIFY 65 database contains facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. No update of this list is planned. Source: SWRCB.

  There are no listed properties within 1.0 mile of the Site.

- **SWF/LF, Solid Waste Information System (SWIS, 0.500 mile), June 21, 2001** - This database is an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 2004 criteria for solid waste landfills or disposal sites. Source: California Integrated Waste Management Board.

  Bridgestone/Firestone, Inc., 4000 E. Mission Boulevard, approximately 0.45 miles west and crossgradient of the Site. This property was reported to be a "major waste tire facility" and active. Based on the crossgradient direction of the property to the Site, it is unlikely that the Site has been impacted by this property.

- **Toxic Pits Cleanup Act Sites (TOXIC PITS, 1.000 mile), July 1, 1995** - This list identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. No update of this list is planned. Source: SWRCB.

  There are no listed properties within 1 mile of the Site.

- **Hazardous Substance Storage Container Database (UST and Hist UST, 0.250 mile), August 1, 2001 and October 15, 1990 and Facility Inventory Database (CA FID UST, 0.250 mile), October 31, 1994**- These databases are historical listings of UST sites and active and inactive underground storage tank locations. Local and county sources have current UST information. Sources: SWRCB for UST/Hist UST, Cal/EPA for FID.

  (Site) General Electric Aviation, 1923 E. Avion Street. The Site was listed as a Hist UST and CA FID UST property. The Site was reported to have 17 USTs. These include: 2-6,000 gallon diesel USTs, 9 "product" USTs (6,000, 8,000, 4,000, 7,000, 3-2,000, and 2-4,000 gallons) 5 "waste" USTs (250, 2-8,000 and 2-2,000 gallons) and a 550-gallon UST (unspecified contents). The Site was not listed to have had releases.

  Federal Express Corp., 1801 E. Avion Ave, approximately 0.125 miles southwest and downgradient of the Site. No releases were reported for this property. Based on the downgradient direction of the property to the Site, it is unlikely that the Site has been impacted by this property.

  Troy Isom Equipment, 4590 Mission Blvd., approximately 0.24 miles south-southwest and downgradient of the Site. No releases were reported for this property. Based on the downgradient direction of the property to the Site, it is unlikely that the Site has been impacted by this property.

- **Waste Management Unit Database System (WMUDS/SWAT, 0.5000 mile), April 1, 2000** - This system is used by the SWRCB for tracking and inventory of waste management units. WMUDS comprises the following databases: facility information, scheduled inspections information, waste management unit information, Solid Waste Assessment Test (SWAT) program information, SWAT report summary information, SWAT report summary data, Chapter 15 information and monitoring parameters, TPCA program information, RCRA program information, closure information, and interested parties information. Source: SWRCB.

  There are no listed properties within 0.5 miles of the Site.

Non-ASTM Databases

The following non-ASTM databases were also checked by EDR:

- EPA Regional Offices Superfund Consent Decrees (1 mile)
- EPA Delisted NPL (1 mile)
- U.S. Department of Transportation Hazardous Materials Information Reporting System (target property)
- U.S. Department of Labor Mines Master Index Files (0.25 mile)
- U.S. Nuclear Regulatory Commission Material Licensing Tracking System (target property)
- EPA Federal Superfund Liens (target property)
- EPA PCB Activity Database System (target property)
- EPA RCRA Administrative Action Tracking System (target property)
- NTIS Records of Decision (1 mile)
- EPA/NTIS Toxic Chemical Release Inventory System (target property)
- EPA/NTIS Toxic Substances Control Act (target property)
- EPA/NTIS Facility Index System (target property)
- EPA/FTTS FIFRA/TSCA Tracking System (target property)
- SWRCB Aboveground Petroleum Storage Tank Facilities (target property)
- SWRCB Waste Discharge System (target property)
- California Hazardous Waste Information System (0.25 mile)
- California DTSC Drycleaners (0.25 mile)

No properties were listed on the above databases.

- **Cal/EPA Hazardous Waste Information System (HAZNET, 0.250 mile), December 31, 1999** - HAZNET provides hazardous waste manifest data extracted from copies of hazardous waste manifests. Inclusion in HAZNET implies that the facility properly disposed of hazardous waste.

Federal Express Corp., 1801 E. Avion Ave, approximately 0.125 miles southwest and downgradient of the Site. This property was noted to have disposed of hazardous wastes. No releases were reported for this property. Based on the downgradient direction of the property to the Site, it is unlikely that the Site has been impacted by this property.

Sky Cheff Inc., 1902 E. Avion, approximately 0.14 miles south-southeast (downgradient) of the Site. This property was noted to have disposed of hazardous wastes. No releases were reported for this property. Based on the downgradient direction of the property to the Site, it is unlikely that the Site has been impacted by this property.

- **Department of Health Services/San Bernardino County Fire Department (0.25 mile), August 13, 2001** – This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers. The source of this database is the San Bernardino County Fire Department Hazardous Materials Division.

Federal Express Corp., 1801 E. Avion Ave, approximately 0.125 miles southwest and downgradient of the Site. This property was noted to have underground storage tanks, and to be a "special handler" and "special generator". No releases were reported for this property. Based on the downgradient direction of the property to the Site, it is unlikely that the Site has been impacted by this property.

Ontario Aircraft SVC Inc., 1049 S. Vineyard, approximately 0.125 miles southwest and downgradient of the Site. This property was noted to be a hazardous material handler and generator. No releases were reported for this property. Based on the downgradient direction of the property to the Site, it is unlikely that the Site has been impacted by this property.

Marriot In-Flite Service, 1902 E. Avion, approximately 0.14 miles south-southeast (downgradient) of the Site. This property was noted to be a "special handler" and "special generator". No releases were reported for this property. Based on the downgradient direction of the property to the Site, it is unlikely that the Site has been impacted by this property.

- **California Regional Quality Control Board SLIC (0.5 mile), June 11, 2001** – SLIC contains information regarding properties that have impacted groundwater or have the potential to impact groundwater. The source of this database is the California RWQCB.

GE Engine Services (unlisted address). This listing was discovered in the unmappable properties listing. No address is associated with this listing. It is not known if this listing is in regards to the 1923 GE facility (three buildings of which are the Site) or the 2264 GE facility (not the Site). A soil and groundwater investigation is reported to be ongoing for solvents and TPH with the Department of Toxic Substances Control. Based on this information, it appears that this listing is in regards to the 2264 E. Avion GE facility. See the Annual Work Plan listing for GE 2264 E. Avion above. Based on the crossgradient location of this property to the Site, it is not anticipated to environmentally impact the Site.

MACTEC reviewed the "unmappable" properties that are listed in the EDR Report. These are reported as unmappable because of incorrect, or incomplete address information. Five cases (beside the GE SLIC case discussed above) are listed as CA SLIC cases at Ontario Airport. These are as follows:

Lockheed (O), Ontario Airport. This property was noted to have "post investigation/remediation monitoring" for a solvent release to soil. According to Meredith Boli and Associates, Lockheed's facilities were located approximately 0.4 miles northwest of the Site. Based on the crossgradient location of this property, it is not anticipated to be environmental concern.

Northrop (O), Ontario Airport. According to Meredith Boli and Associates (MBA), Northrop formerly operated the northeast portion of the Site (GE Engine Services), an area called "Hangar 4". MBA states that possible contaminants include phenol, chromium and fluorine. According to the EDR report, this property was noted to have an "initial investigation underway" for an unknown release to an unknown area.

Aerojet (O), Ontario Airport. According to MBA, this property is approximately 0.4 miles northeast of the Site. This property was noted to have a "closed" investigation for trichloroethylene (TCE). Because the investigation has been closed, the depth to groundwater (300-ft bgs) and the distance from the Site (across the airport runway at the current United States Post Office) this property is not anticipated to be an environmental issue.

Douglas Aircraft Company, Ontario Airport. According to MBA, Douglas formerly operated the southwest portion of the Site (GE Engine Services). The actual building are not known. MBA states that possible contaminants include phenol, chromium and fluorine. According to the EDR report, this property was noted to have an "initial investigation underway" for an unknown release to an unknown area.

California Air National Guard, Ontario Airport. According to MBA, this property is approximately 1,000 feet east of the Site. This property was noted to have a "closed" investigation for trichloroethylene (TCE). Because the investigation has been closed, this property is not anticipated to be an environmental issue.

6.0 SUMMATION

6.1 Site History

The following summarizes MACTEC historical research of the Area of Focus:

- The first two buildings, Hangars 1 and 2, at the Site were constructed in the late 1940s.
- In approximately 1950, Northrop Aircraft Company reportedly began manufacturing operations on the north side of the current Site in present day Hangar 1.
- In 1951, construction of Hangar 3was completed.
- Prior to 1953 Douglas Aircraft began operations at the Site in Hangar 2 or 3.
- In 1953 Hangar 4 was constructed.
- In approximately 1955, GEES moved their operations to Ontario Airport, Douglas and Northrop vacated the Site.
- From 1955 to 1980, Lockheed Aircraft reportedly occupied Hangar 4.
- In 1980,GEES moved its operations into Hangar 4.
- In 1985 the Site was connected to the domestic sewer system.
- In 1990 Hangar 4 was connected to the Sites domestic sewer line.

6.2 Site Investigation

MACTEC conducted inspections on October 10 and 18, 2001 and November 4 and 20, 2002 that included walking the grounds of the Area of Focus, performing a drive-by reconnaissance of the adjacent properties, and conducting a limited walk through inspection of the grounds of the Site. MACTEC noted the following:

- During the inspection, no distressed vegetation or evidence of clarifiers or USTs was observed.
- Evidence of groundwater monitoring wells was not observed in the Area of Focus.
- Sealed boreholes were observed in the area of the former EDSA and Test Cell, west and southwest of Hangar 4.
- Chemical storage was observed in the Cold Storage Room in Hangar 4. Chemicals were stored in a neat and orderly fashion in small containers, generally < 1 gallon.. Not all chemicals were in chemical

storage cabinets. Some were stored on open shelving. Flammable chemicals were stored in flammable storage cabinets. The concrete floor was sealed appeared to be in good condition without evidence of spills or staining.

- During the November 2002 visits, Mactec re-inspected the Chemical Storage Room. Chemical storage had been removed and there was no evidence of chemical spills or staining in the vacated room.
- During the October 2001 visit, one drum of oil/fuel filters was observed at the Scrap Yard adjacent to Hangar 4. This waste appeared to be properly labeled. Solid wastes are compacted on site. Scrap metal and wood are recycled.
- During all visits, wastes appeared to be properly managed and disposed.
- MACTEC noted pad-mounted electrical transformers at the Site. These transformers are owned and operated by Southern California Edison (SCE). SCE maintains that none of their transformers contain PCBs. MACTEC did not observe any leaks or stains.
- The EDR report indicates that 17 USTs are known to have existed at the GEES Site. No USTs have been identified as being in or near Hangar 4.
- The GEES Site, but not specifically Hangar 4, was listed on the ERNS, Cal-Sites, Cortese, LUST and CA SLIC databases (Section 5.1 and Appendix D). These listings are associated with the historical environmental issues previously discussed. Several offsite properties were listed on various regulatory environmental databases. Based on MACTEC's review, these properties are not anticipated to environmentally impact the Site.
- One up-gradient site was listed in the EDR report as having a leaking underground storage tank. Wells Fargo Bank, 1862 Holt Boulevard, is approximately 0.75 miles north (up-gradient) of the Site. The property is noted to have a leaking underground storage tank that leaked 834 pounds of an aqueous solution with less than 10% total organic residues. No additional data was provided. Based on the distance of this property from the Site and distance to groundwater in the area, it is unlikely that the Site has been impacted by this property.

6.4 Recognized Environmental Conditions

MACTEC's investigation identified the following recognized environmental conditions (RECs), as defined by ASTM in the Area of Focus.

- In 1956, Northrop connected Hangar 4 to a cesspool. Hangar 4 remained connected to the cesspool until it was connected to the Site's sanitary sewer system in 1990. Mr. David Lu, an Environmental Manager formerly employed with GEES, stated that a septic tank/leach field existed for Hangar 4. Mr. Lu could not recall the location of this septic tank/leach field. Closure or sampling data for the leach field and septic system could not be located at the time of the ESA.

7.0 REFERENCES

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DISTRIBUTION

FINAL
Environmental Site Assessment
Hangar 4
1923 East Avion Street
Ontario, California 91761

January 17, 2003

Copy 1-2: Mr. Steve Cline
General Electric Company
640 Freedom Business Center
King of Prussia, Pennsylvania 19406

Copy 3: Mr. Roger Florio
GE Aircraft Engines
Mail Drop T-165A
One Newmann Way
Cincinnati, Ohio 415215

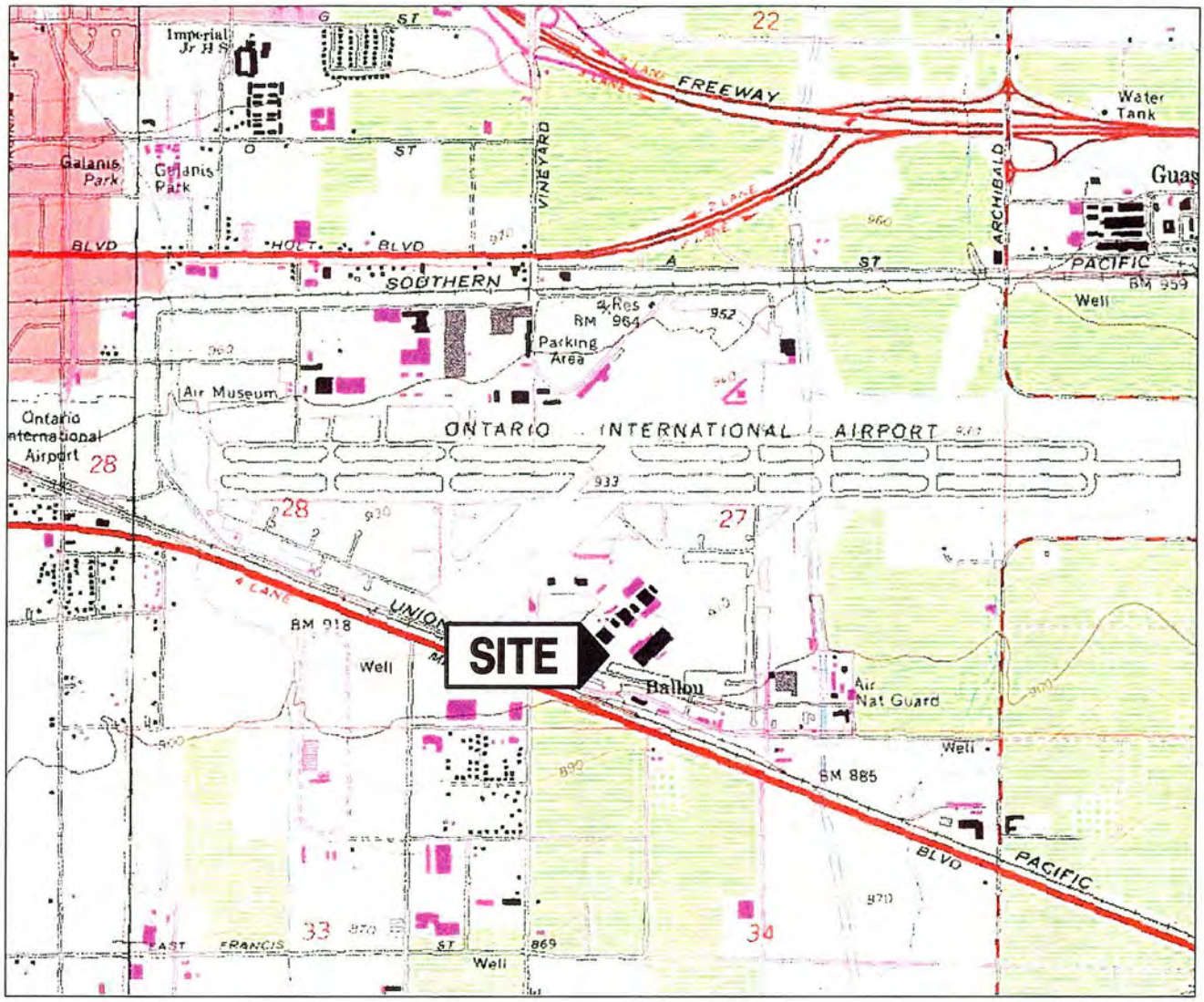
Copy 4-7: Mr. Robert Meyers
GE Engine Services
1923 East Avion Street
Ontario, California 91761

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Plates

PLATES

TB-A1-HARDING-ESE.DWG - 10/16/00



SCALE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

REFERENCE: USGS 7.5-MINUTE QUADRANGLE, GUASTI, CALIFORNIA 1978

MACTEC

2171 CAMPUS DRIVE, SUITE 100
IRVINE, CA 92612

DWG BY	JTL
DATE	10/01
REV BY	JTL
REVISED	12/02

SITE LOCATION MAP

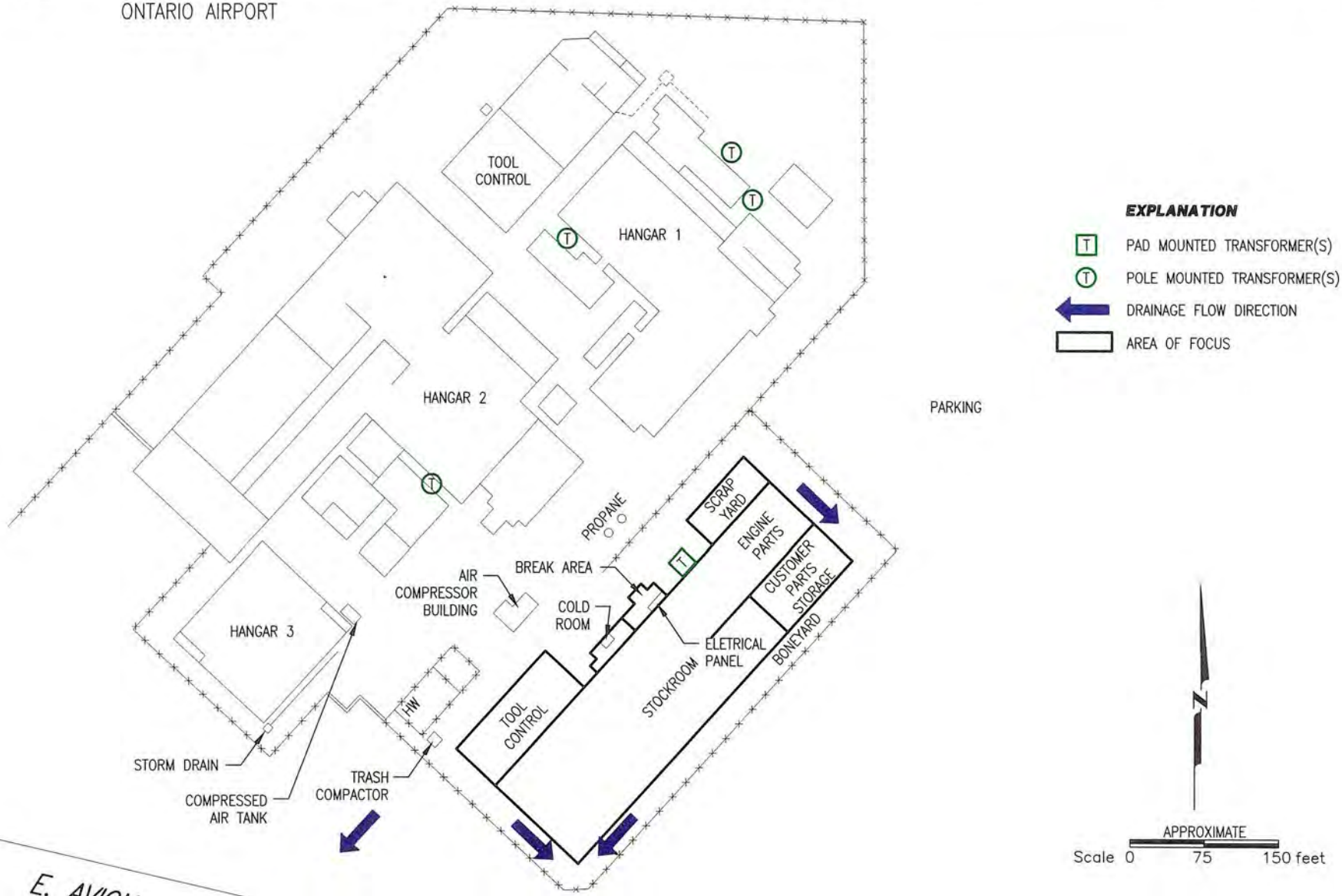
GE Ontario – Hangar 4
1923 E. Avion Drive
Ontario, California

PLATE NO. 1

PROJECT NO. 54472-1

DATE PLOTTED: 12/6/02 1 = 1

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TB-A2-HARDING-ESE.DWG - 10/27/00

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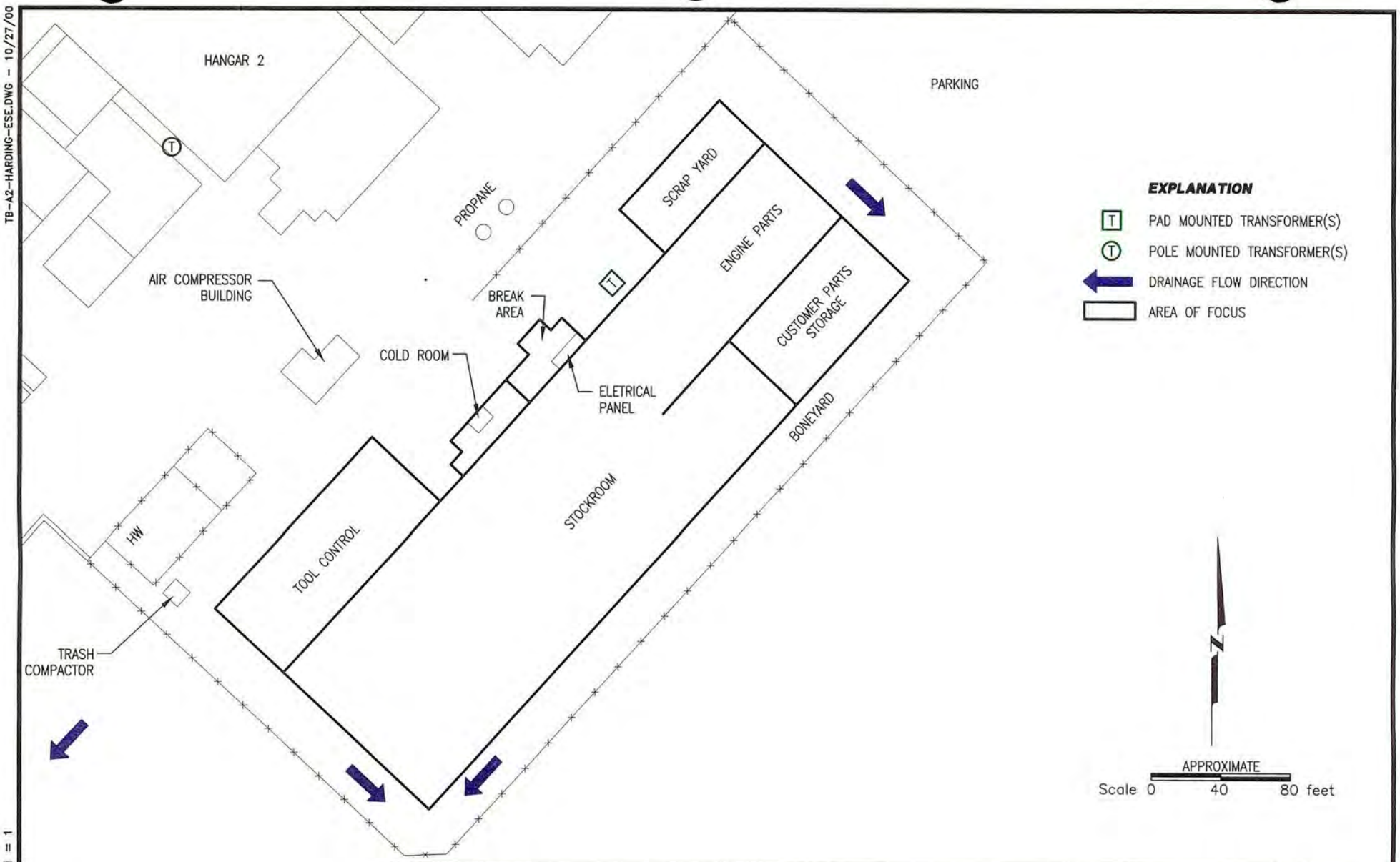
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DATE	10/01
REV BY	JTL
REVISED	12/02

SITE PLAN

GE Ontario – Hangar 4
1923 E. Avion Drive
Ontario, California

PLATE NO. **2**

PROJECT NO. 54472-1



TB-A2-HARDING-ESE.DWG - 10/27/00

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MACTEC

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IRVINE, CA 92612

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DATE	10/01
REV BY	JTL
REVISED	12/02

PLOT DIAGRAM

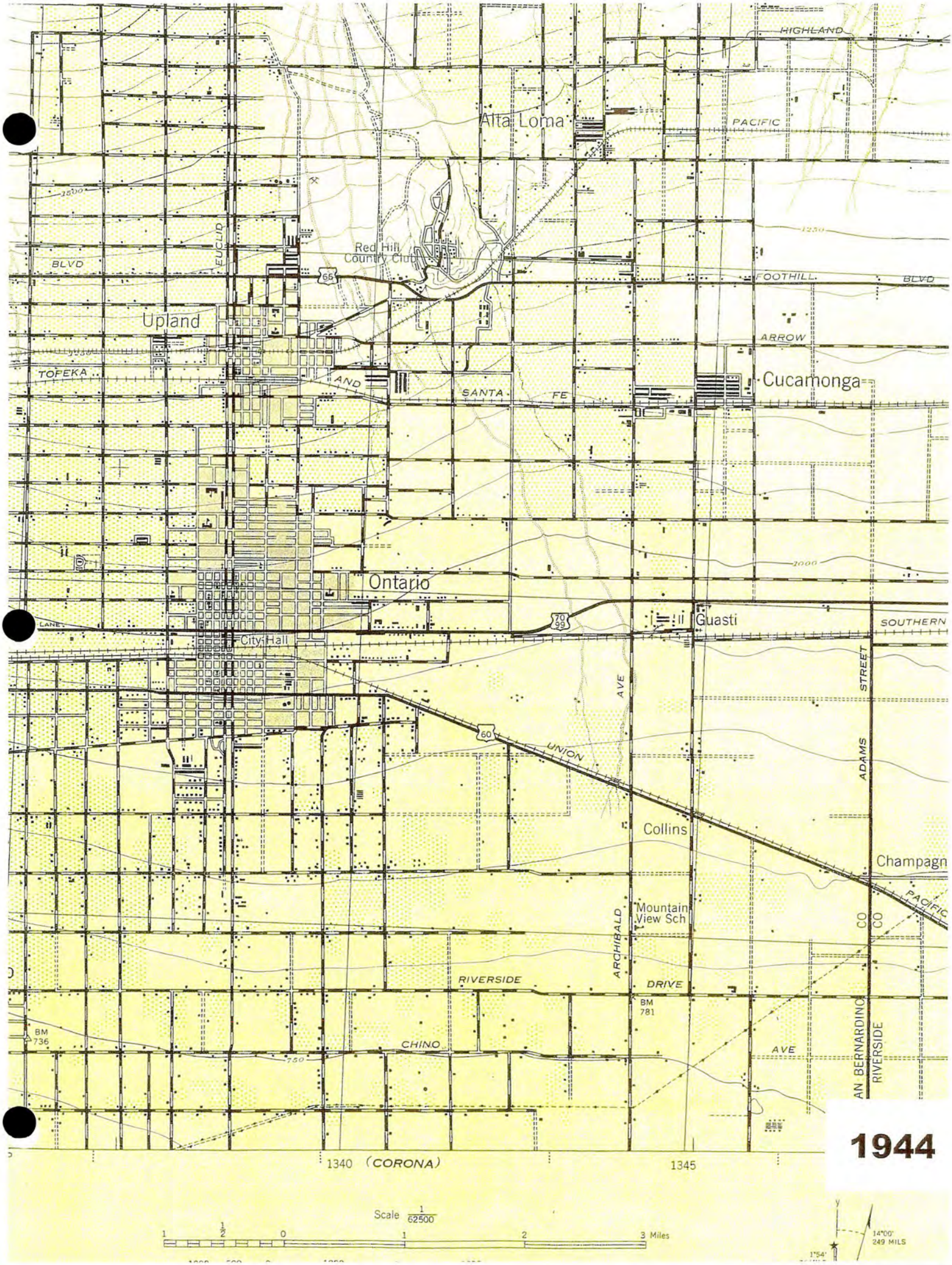
GE Ontario - Hangar 4
1923 E. Avion Drive
Ontario, California

PLATE NO. 3

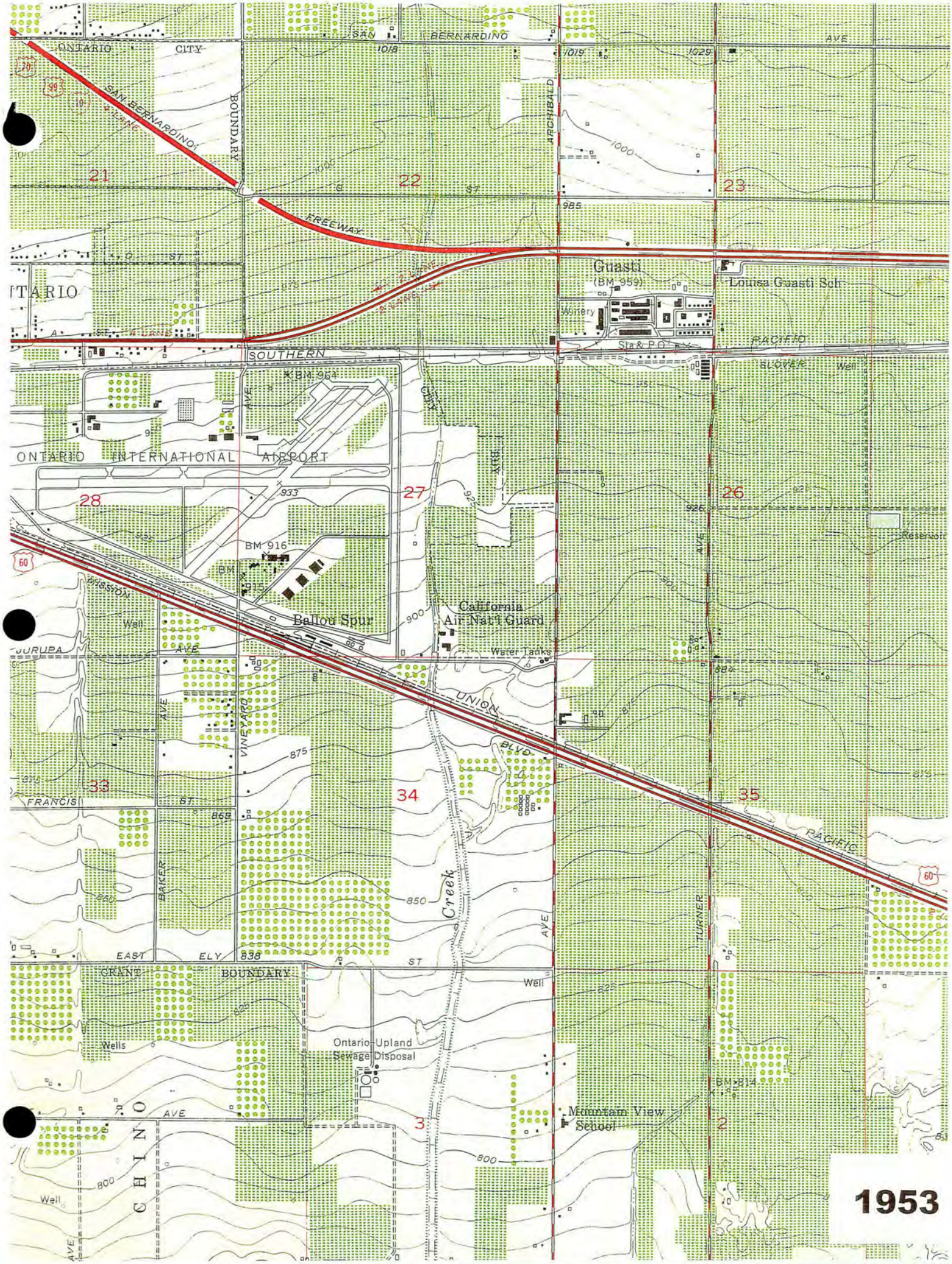
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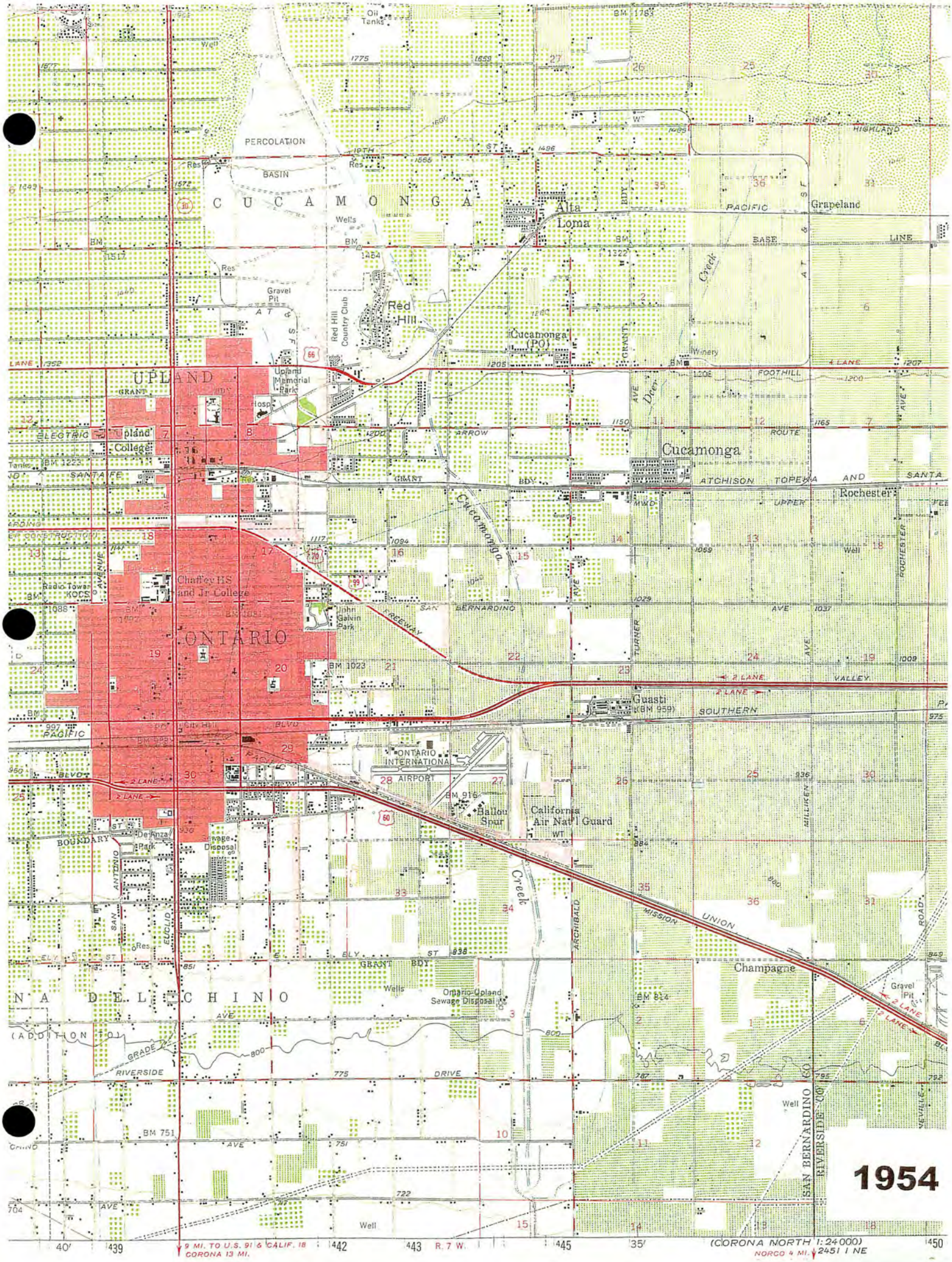
APPENDIX A

TOPOGRAPHIC MAPS

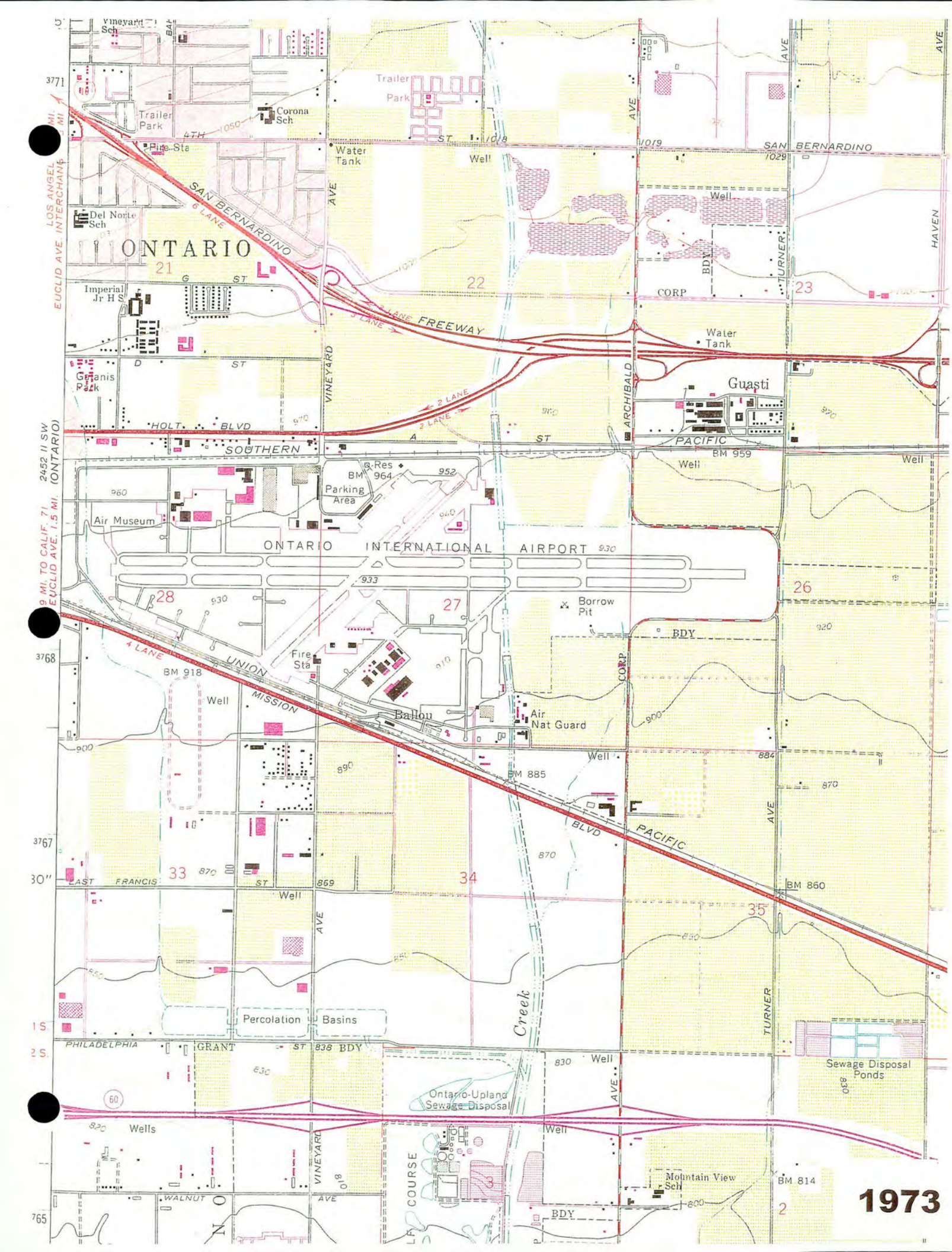

HIGHLAND
Alta Loma
PACIFIC
1600
EUCLID
BLVD
Red Hill Country Club
65
1250
FOOTHILL
BLVD
Upland
ARROW
TOPEKA
AND
SANTA
FE
Cucamonga
2000
Ontario
LANE
70
99
Guasti
SOUTHERN
City Hall
AVE
STREET
60
UNION
ADAMS
Collins
Champagn
PACIFIC
Mountain View Sch
CO
CO
ARCHIBALD
RIVERSIDE
DRIVE
BM 781
BM 736
CHINO
750
AVE
AN BERNARDINO
RIVERSIDE
1340 (CORONA)
1345
Scale 1/62500
1 0 1 2 3 Miles
14°00'
249 MILS
1°54'

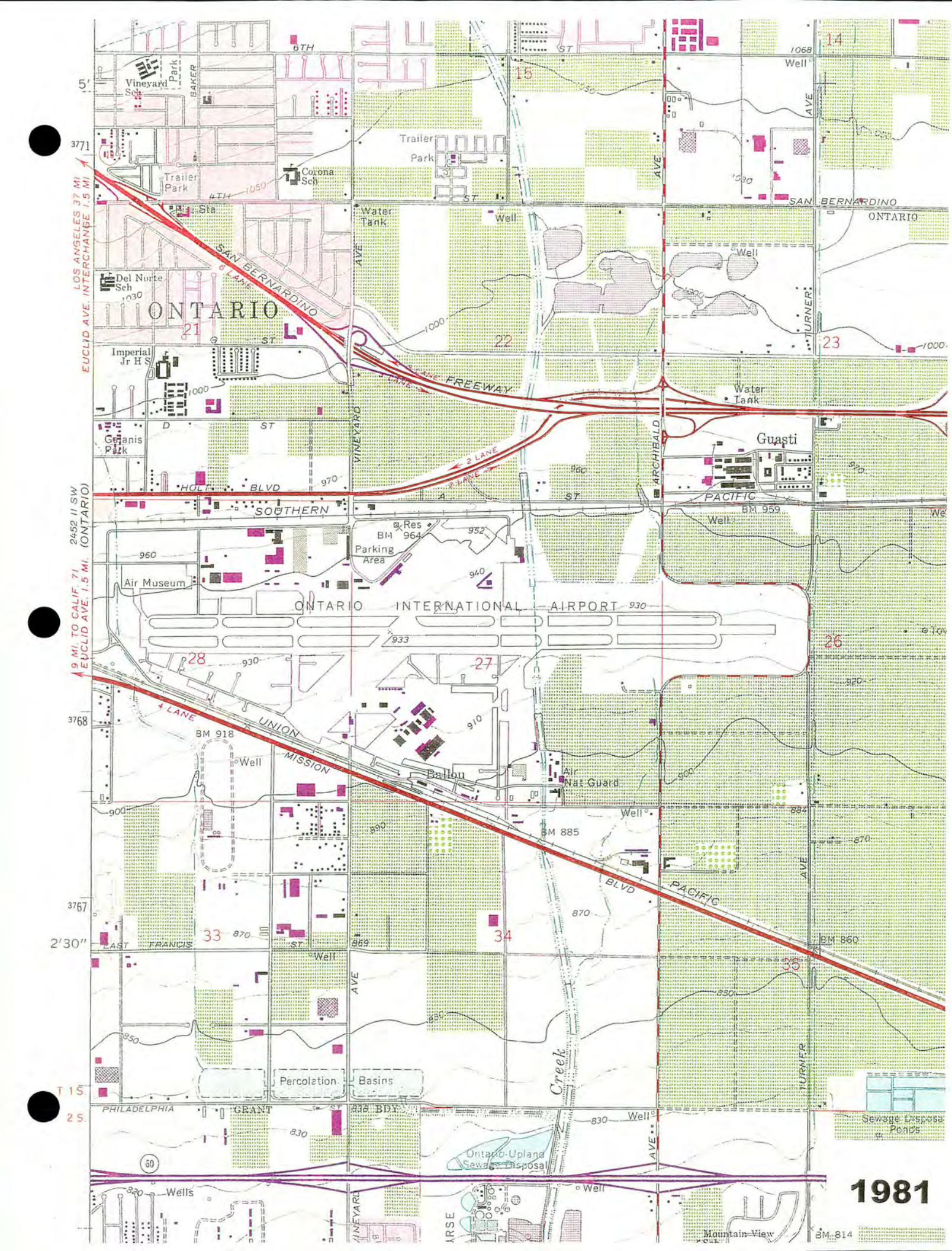
1944


ONTARIO
CITY
SAN BERNARDINO
AVE
SAN BERNARDINO FREEWAY
BOUNDARY
ARCHIBALD
1018
1019
1029
1000
985
21
22
23
ST
FREEWAY
Guasti
(BM 959)
Louisa Guasti Sch
Winery
Sta & P.O.
PACIFIC
SOUTHERN
BM 964
ONTARIO INTERNATIONAL AIRPORT
28
27
26
933
925
BM 916
BM 915
Reservoir
Ballou Spur
California
Air Nat'l Guard
Water Tanks
900
JURUPA
AVE
UNION
VINEYARD
BLVD
875
33
34
35
FRANCIS
869
PACIFIC
Creek
850
BAKER
EAST
ELY
838
CRANE
BOUNDARY
Well
Wells
Ontario-Upland
Sewage Disposal
BM 814
Mountain View
School
3
2
CHINO
800
Well
1953


PERCOLATION
BASIN
CUCAMONGA
Alta Loma
Grapeland
Red Hill
Cucamonga (PO)
UPLAND
Upland College
Chaffey HS and Jr College
ONTARIO
Cucamonga
Rochester
Guasti
ONTARIO INTERNATIONAL AIRPORT
California Air Nat'l Guard
Champagne
Ontario-Upland Sewage Disposal
Gravel Pit
Upland Memorial Park
John Galvin Park
Radio Tower KOCS
Ballou Spur
Red Hill Country Club
Cucamonga Creek
Day Creek
Winery
Well
Tanks
Oil Tanks
Res
Hospl
BM 1223
BM 1023
BM 959
BM 916
BM 814
BM 751
1775
1655
1565
1496
1512
1484
1322
1205
1200
1150
1165
1117
1094
1059
1029
1037
1009
997
975
960
936
930
838
851
849
800
775
787
795
792
722
704
PACIFIC
SANTA FE
ATCHISON TOPEKA AND SANTA
SOUTHERN PACIFIC
UNION PACIFIC
SAN BERNARDINO FREEWAY
GRANT
FOOTHILL
ARROW ROUTE
UPPER MWD
2 LANE
4 LANE
BLVD
AVE
DRIVE
ROAD
GRADE
VALLEY
BOUNDARY
RIVERSIDE
SAN BERNARDINO
RIVERSIDE
(ADDITION)
9 MI. TO U.S. 91 & CALIF. 18
CORONA 13 MI.
(CORONA NORTH 1:24000)
NORCO 4 MI.
2451 I NE
R. 7 W.
1954


ONTARIO
Fire Sta
Water Tank
Well
SAN BERNARDINO
6 LANE
Percolation Basin
BDY
CORP
TURNER
HAVEN
21
22
23
G ST
3 LANE FREEWAY
Water Tank
Guasti
D ST
VINEYARD
ARCHIBALD
2 LANE
HOLT BLVD
A ST
SOUTHERN PACIFIC
BM 959
Res
BM 964
952
Parking Area
Air Museum
ONTARIO INTERNATIONAL AIRPORT
933
28
27
26
Borrow Pit
4 LANE
UNION MISSION
BM 918
Fire Sta
Ballou
Air Nat Guard
884
BM 885
BLVD
PACIFIC
AVE
FRANCIS ST
869
33
34
35
BM 860
Percolation Basins
Creek
GRANT
838
Sewage Disposal Ponds
Ontario-Upland Sewage Disposal
819
Wells
GOLF COURSE
3
Mountain View Sch
BM 814
2
WALNUT AVE
CHINO
CORP
778
RIVERSIDE
1966

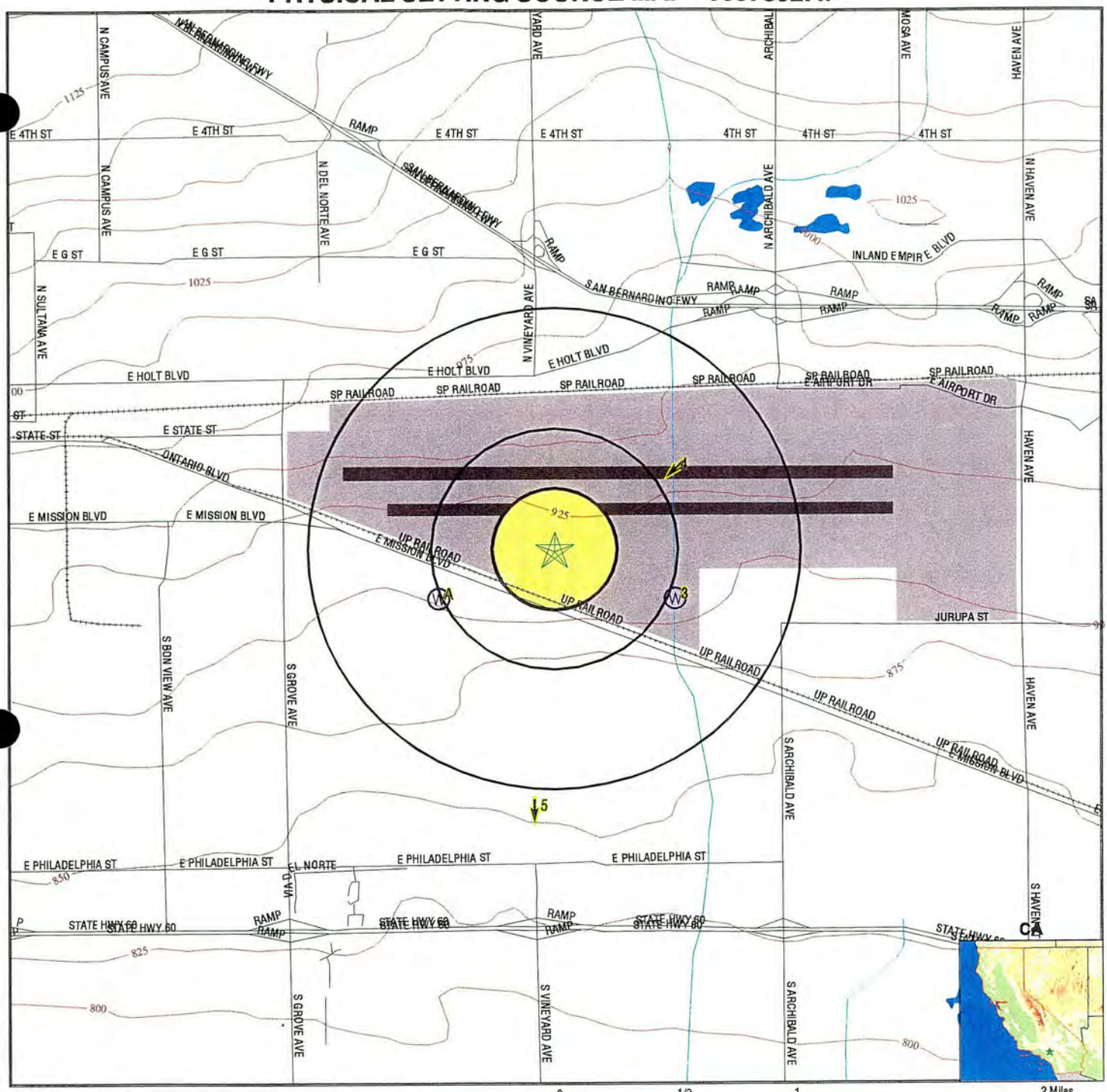

ONTARIO
ONTARIO INTERNATIONAL AIRPORT
SAN BERNARDINO
6 LANE
4 LANE FREEWAY
3 LANE
2 LANE
2 LANE
4 LANE
UNION PACIFIC
BLVD
SOUTHERN PACIFIC
BLVD
HOLT BLVD
EUCLID AVE. INTERCHANGE
LOS ANGEL
2452 II SW (ONTARIO)
9 MI. TO CALIF. 71
EUCLID AVE. 1.5 MI.
Vineyard Sch
Trailer Park
Corona Sch
Fire Sta
Water Tank
Well
Trailer Park
Del Norte Sch
Imperial Jr H S
Gilanis Park
Water Tank
Guasti
Res
BM 964
Parking Area
Air Museum
BM 959
Well
Borrow Pit
Fire Sta
BM 918
Well
Ballon
Air Nat Guard
BM 885
Well
BM 860
Percolation
Basins
Ontario-Upland Sewage Disposal
Sewage Disposal Ponds
Wells
Well
Mountain View Sch
BM 814
Creek
VINEYARD AVE
ARCHIBALD AVE
TURNER AVE
HAVEN AVE
CORP
BDY
GRANT ST
PHILADELPHIA
LAST FRANCIS ST
A ST
D ST
G ST
4TH ST
WALNUT AVE
LA COURSE
21
22
23
26
27
28
33
34
35
1973


1981
ONTARIO
ONTARIO INTERNATIONAL AIRPORT
SAN BERNARDINO
FREEWAY
SOUTHERN PACIFIC
UNION PACIFIC
HOLT BLVD
Vineyard Park
Trailer Park
Corona Sch
Del Norte Sch
Imperial Jr H S
Guasti
Air Museum
Parking Area
Water Tank
Well
Ballou
Air Nat Guard
Percolation Basins
Ontario-Upland Sewage Disposal
Sewage Disposal Ponds
Mountain View
Wells
BM 959
BM 964
BM 918
BM 885
BM 860
BM 814
EUCLID AVE. INTERCHANGE 1.5 MI
9 MI. TO CALIF. 71
EUCLID AVE. 1.5 MI. (ONTARIO)
2452 II SW
3771
3768
3767
5'
2'30"
T 1 S.
2 S.

APPENDIX B

AERIAL PHOTOGRAPHS

PHYSICAL SETTING SOURCE MAP - 0687852.4r



- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Water Wells
- Public Water Supply Wells
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Cluster of Multiple Icons
- Earthquake epicenter, Richter 5 or greater
- Closest Hydrogeological Data
- Oil, gas or related wells

TARGET PROPERTY:	GE Ontario Facility	CUSTOMER:	Harding ESE, Inc., CA
ADDRESS:	1923 E. Avion Drive	CONTACT:	Wayne Leung
CITY/STATE/ZIP:	Ontario CA 91761	INQUIRY #:	0687852.4r
LAT/LONG:	34.0530 / 117.6094	DATE:	October 03, 2001 7:46 pm

earthtech for the planet.

engineering and technology

PHASE I BASELINE ENVIRONMENTAL SITE ASSESSMENT

East Avion Complex
1049 South Vineyard Avenue
Ontario, California 91761

Prepared for:

Los Angeles World Airports
One World Way
Post Office Box 92216
Los Angeles, CA 90009-2216

Prepared by:

Earth Tech, Inc.
300 West Oceangate, Suite 700
Long Beach, CA 90802
(562) 951-2000

EARTH TECH Project No. 75412

April 5, 2004

TABLE OF CONTENTS

Page

1.0 SUMMARY 1

2.0 INTRODUCTION 4
- 2.1 PURPOSE 4
- 2.2 DETAILED SCOPE OF SERVICES 4
  - 2.2.1 Current Site Condition 4
  - 2.2.2 Records Review 5
  - 2.2.3 Report Preparation 6
- 2.3 SIGNIFICANT ASSUMPTIONS 6
- 2.4 LIMITATIONS AND EXCEPTIONS 7
- 2.5 SPECIAL TERMS AND CONDITIONS 7
- 2.6 RELIANCE 8

3.0 SITE DESCRIPTION 9
- 3.1 LOCATION AND LEGAL DESCRIPTION 9
  - 3.1.1 Property Name and Address 9
  - 3.1.2 Land Use Zoning 9
- 3.2 SITE AND VICINITY CHARACTERISTICS 9
- 3.3 DESCRIPTION OF STRUCTURES 9
- 3.4 CURRENT USES OF THE PROPERTY 10
- 3.5 CURRENT USES OF ADJOINING PROPERTIES 10

4.0 USER-PROVIDED INFORMATION 11
- 4.1 TITLE RECORDS 11
- 4.2 ENVIRONMENTAL LIENS 11
- 4.3 SPECIALIZED KNOWLEDGE 11
- 4.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES 11
- 4.5 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION 11
- 4.6 REASON FOR PERFORMING THE PHASE I 11
- 4.7 OTHER 11

5.0 RECORDS REVIEW 13
- 5.1 STANDARD ENVIRONMENTAL RECORD SOURCES 13
- 5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES 17
- 5.3 PHYSICAL SETTING SOURCE(S) 18
  - 5.3.1 Topography 18
  - 5.3.2 Geology 18
  - 5.3.3 Hydrology 18
  - 5.3.4 Earth Quake Hazard Zones 18
  - 5.3.5 Radon Gas 19
  - 5.3.6 Flood Plains 19
- 5.4 HISTORICAL USE INFORMATION ON THE PROPERTY 19
- 5.5 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES 21

6.0 SITE RECONNAISSANCE 22

6.1 METHODOLOGY AND LIMITING CONDITIONS 22
6.2 GENERAL SITE SETTING 22
6.3 EXTERIOR OBSERVATIONS 22
ABOVEGROUND STORAGE TANKS 22
UNDERGROUND STORAGE TANKS 22
OTHER REPORTABLE QUANTITIES 22
ODORS 23
STAINING 23
AIR POLLUTION 23
HAZARDOUS WASTE 23
INFECTIOUS WASTE 24
SOLID WASTE 24
TRANSFORMERS 24
VEGETATION 24
POTABLE WATER SYSTEMS 24
POWER DISTRIBUTION SYSTEMS 24
SEWER SYSTEMS/CESSPOOLS/SEPTIC TANKS 24
SINKHOLES 24
SUMPS 24
TRENCHES 24
WELLS 24

7.0 INTERVIEWS 25
7.1 INTERVIEW WITH OWNER 25
7.2 INTERVIEW WITH SITE MANAGER 25
7.3 INTERVIEW WITH OCCUPANTS 25
7.4 INTERVIEW WITH LOCAL GOVERNMENT OFFICIALS 25

8.0 ADDITIONAL SERVICES 26

9.0 FINDINGS 41

10.0 OPINIONS 42

11.0 CONCLUSIONS AND RECOMMENDATIONS 43

12.0 REFERENCES 44

13.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS 45

14.0 QUALIFICATIONS OF RESPONSIBLE ENVIRONMENTAL PROFESSIONALS 46

LIST OF TABLES

TABLE 1	Project Summary	4
TABLE 2	NPL Sites within 1 mile	19
TABLE 3	CERCLIS Sites within ½ mile	19
TABLE 4	TSDF/SWIS/SWAT Sites within ½ mile	19
TABLE 5	CORRACTS Sites within 1 mile	20
TABLE 6	RCRIS Generators Adjacent to the Subject Property	20
TABLE 7	CALSITES (HWS) Sites within ½ mile	21
TABLE 8	LUST Sites within ½ mile	21
TABLE 9	UST Sites Adjacent to the Subject Property	23

APPENDICES

APPENDIX A	Site Map
APPENDIX B	Site Plan
APPENDIX C	Site Photographs
APPENDIX D	Historical Research Documentation
APPENDIX E	Regulatory Records Documentation
APPENDIX F	Previous Environmental Documentation
APPENDIX G	Proposal and Contract
APPENDIX H	Asbestos Documentation
APPENDIX I	Lead Based Paint Documentation

1.0 SUMMARY

At the request of Los Angeles World Airports (LAWA), Earth Tech, Inc. (Earth Tech) has performed a Phase I Baseline Environmental Site Assessment (ESA) in accordance with the Scope of Services detailed in Section 2.2 and in general accordance with the most recent scope and limitations of ASTM Standard Practice E1527-00 of the East Avion Complex facility located at 1049 South Vineyard Avenue, Ontario, California (the subject property). Any exceptions to, or deletions from, the ASTM Practice are described in Section 2.2 of this report.

This assessment has revealed no evidence of "recognized environmental conditions" (as that term is defined in ASTM Standard Practice E1527-00) in connection with the Property, *with the exception of the following* (a summary table to the Phase I Baseline ESA is included as Table 1 following this section):

- **HISTORICAL PROPERTY USE:** The subject property was developed in the 1940s as a part of the Ontario Airport. The configuration of the buildings on the subject property has changed several times over the years. The exact nature of operations on the subject property are not known, but are assumed to include aircraft repair and maintenance activities. Spillage of petroleum hydrocarbons and solvents used during these activities may have impacted the subsurface.
- **UNDERGROUND STORAGE TANKS:** An 8,000-gallon underground storage tank was removed from the subject property in August 1999. The UST was discovered during a renovation. Soil samples were collected from beneath each end of the UST. The soil samples were analyzed for total petroleum hydrocarbons, benzene, toluene, ethylbenzene, xylenes, and MTBE. No concentrations of these compounds were detected in the soil samples collected. The excavation was backfilled with clean native soil and import fill and compacted. The San Bernardino County Fire Department issued a letter requiring no further action on September 10, 1999.
- **ASBESTOS-CONTAINING MATERIALS:** Non-friable ACMs exist on the subject property. These materials do not represent a health risk in their current state. However, these materials could cause a health risk, if damaged or disturbed.
- **LEAD-BASED PAINT:** Lead-based paint was found in good condition. These materials do not represent a health risk in their current state. However, these lead-based materials could cause a health risk, if damaged or disturbed.
- **GROUNDWATER CONTAMINATION ON ADJACENT PROPERTY:** Known releases at the GE facility located adjacent to the east of the subject property are suspected to have impacted groundwater. It is possible that impacted groundwater from the adjacent property has migrated or could migrate beneath the subject property.

It is Earth Tech's professional opinion that further investigation will be required in order to evaluate the identified "recognized environmental conditions".

The standard professional practices that Earth Tech conducted to determine if any recognized environmental conditions existed in connection with the Property included, among other things:

- A visual inspection of the exterior and the interior of the subject property.
- Interviews with selected individuals who might have knowledge of such recognized environmental conditions,
- A review of readily available historical aerial photographs, Sanborn Fire Insurance Maps, building permits and historical topographic maps,
- A drive-by inspection of accessible adjacent parcels, and
- A review of a database search of selected Federal and State environmental databases for indications of the presence of hazardous substances on the subject property or on nearby parcels from which those substances might migrate to the subject property.

This report is based upon the Scope of Services, and is subject to the Limitations and Restrictions, defined herein. It has been prepared for the exclusive use of LAWA, its tenants, and its legal counsel. No other person or organization is entitled to rely upon any part of it without the prior written consent of Earth Tech. LAWA may release or authorize the release of all or part(s) of this report to third parties; however, such third party in using or relying on this report agrees that it shall have no legal recourse against Earth Tech or its parent or subsidiaries, and shall indemnify and defend them from and against all claims arising out of or in conjunction with such use or reliance. Please refer to Sections 2.4, 2.5 and 2.6 for a detailed description of the Limitations and Restrictions.

Table 1
East Avion Complex
1049 South Vineyard Avenue
Ontario, California 91761
Phase I Baseline Environmental Site Assessment
Project Summary
April 5, 2004

Tenant Name	Leasehold	Phase I Name	Site Visit Date	Report Date	Issues	Conclusions	Recommendations	Phase II (Y/N)
East Avion Complex	East Avion Complex 1049 South Vineyard Avenue	Phase I Baseline Environmental Site Assessment	3/2/04-3/3/04	4/5/04	Historical Property Use	Potential subsurface impacts from use of petroleum hydrocarbons and solvents	Soil vapor survey to assess potential impacts from historical property use	N
					Underground Storage Tanks	UST removal has received closure from lead agency	No further action recommended	N
					Asbestos-containing materials in building	Non-friable ACM is in good condition	Prepare an Asbestos Operations and Maintenance Plan	Y
					Lead-based paint in building	Lead paint identified Non-friable	Prepare a Lead-based Paint Operations and Maintenance Plan	Y
					Groundwater Contamination on Adjacent Property	Suspected impacted groundwater, possible migration to subject property	Monitor investigation being conducted	N

2.0 INTRODUCTION

2.1 PURPOSE

The purpose of this Phase I Baseline Environmental Site Assessment (ESA) is to identify, to the extent feasible pursuant to the processes prescribed in ASTM's Standards on Environmental Site Assessments for Commercial Real Estate (ASTM E-1527), recognized environmental conditions in connection with the subject property. The term recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products on the subject property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into the structures on the subject property or into the ground, groundwater, or surface water of the subject property. The term recognized environmental conditions includes hazardous substances or petroleum products even under conditions in compliance with laws, but is not intended to include de minimis conditions that generally do not present a material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action, if brought to the attention of appropriate governmental agencies (ASTM E1527-00).

2.2 DETAILED SCOPE OF SERVICES

Earth Tech has conducted this Phase I Baseline ESA in accordance with the ASTM's Standards on Environmental Site Assessments for Commercial Real Estate (ASTM E-1527, most recent version). The following scope of services was performed:

2.2.1 Current Site Condition

Earth Tech assessed the current site condition by accomplishing the following tasks:

Site Reconnaissance: Earth Tech personnel visited the site and conducted a site reconnaissance to evaluate the current condition of the site. The following items were assessed:

- Current Use and Occupants
- Environmental Permits, Violations/Citations
- Hazardous Materials Use/Storage
- Hazardous Wastes Generation/Storage
- Underground and Aboveground Storage Tanks
- Sumps, Impoundments, Lagoons, Clarifiers
- Possible PCB Containing Materials (Transformers, Ballasts, etc.)
- Evidence of Stains/Spillage/Distressed Vegetation
- Possible Sensitive Receptors (Wells, Streams, etc.)
- Asbestos-Containing Materials
- Lead Based Paint

Adjoining Properties Review: During the site reconnaissance, the site inspector visually evaluated surrounding sites for possible hazardous material contamination with respect to their potential impact to the subject property. The adjacent property survey was limited to observations made from the subject site and public property fronting the adjacent establishments. The vicinity reconnaissance was limited to directly adjacent properties.

2.2.2 Records Review

Earth Tech conducted the following record reviews:

Standard Environmental Record Sources: Earth Tech contracted Environmental Data Resources, Inc. (EDR) to conduct a database review of the following databases.

Database	ASTM Required?	Radius	Description
Federal Databases			
CERCLIS	Yes	½ mile	Comprehensive Environmental Response, Compensation, and Liability Information System
ERNS	Yes	Target Property	Emergency Response Notification System
NPL	Yes	1 mile	National Priorities List (Superfund)
Delisted NPL	Yes	1 mile	National Priorities List (Superfund)
RCRIS – Generators	Yes	Target/Adjacent	Resource Conservation and Recovery Information System
RCRIS – TSD	Yes	½ mile	RCRIS – Transfer, Storage, and Disposal Facilities
CORRACTS	Yes	¼ mile	Corrective Action Report
CONSENT	No	1 mile	Superfund (CERCLA) Consent Decrees
FINDS	No	Target Property	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	No	Target Property	Hazardous Materials Incident Report System
MLTS	No	Target Property	Material Licensing Tracking System
NPL Liens	No	Target Property	Federal Superfund Liens
PADS	No	Target Property	PCB Activity Database
RAATS	No	Target Property	RCRA Administration Action Tracking System
ROD	No	1 mile	Records of Decision
TRIS	No	Target Property	Toxic Release Inventory System
TSCA	No	Target Property	Toxic Substances Control Act
MINES	No	¼ mile	Mines Master Index File
State/Local Databases			
BEP	Yes	1 mile	Bond Expenditure Plan (Former State Priority List Database)
CALSITES (AWP)	Yes	1 mile	Annual Workplan (State Priority List)
CALSITES (ASPIS)	Yes	1 mile	Calsites
CHMIRS	Yes	Target/Adjacent	California Hazardous Material Incident Report System
Cortese	Yes	1 mile	Cortese List
LUST	Yes	½ mile	Leaking Underground Storage Tank Information System
Notify 65	Yes	1 mile	Proposition 65
SWF/LF (SWIS)	Yes	½ mile	Solid Waste Information System
Toxic Pits	Yes	1 mile	Toxic Pits

Database	ASTM Required?	Radius	Description
UST	Yes	¼ mile	Hazardous Substance Storage Container Database
FID	Yes	¼ mile	Facility Inventory Database (USTs)
WMUDS/SWAT	Yes	½ mile	Waste Management Unit Database
AST	No	Target Property	Aboveground Petroleum Storage Tank Facilities
HAZNET	No	¼ mile	Hazardous Waste Information System

Additional Environmental Record Searches: The following additional environmental records were researched by Earth Tech personnel:

- **2003 Munger Map Book:** Map of oilfield activity in California
- **Alquist-Priolo Fault Zone Review:** Reviewed Alquist-Priolo fault zone information available at the city's Planning Department

Physical Setting Review: Earth Tech reviewed available geologic information to evaluate the topography, geology, and hydrogeology of the subject property.

Historical Use Review: The following historical sources were reviewed to identify the historical use of the subject property:

- **Historical Aerial Photographs:** Earth Tech reviewed digital copies of aerial photographs with coverage of the subject property. These digital copies were obtained through contract with EDR.
- **Historical Topographic Maps:** Earth Tech reviewed copies of historical topographic maps with coverage of the subject property. These copies were obtained through contract with EDR.
- **Sanborn Fire Insurance Maps:** Earth Tech reviewed the available digital copies of Sanborn maps with potential coverage of the subject property. No Sanborn maps including the subject property were found.
- **City Directory Abstract:** Earth Tech reviewed an abstract of city directory listings researched at approximate five-year intervals from 1922 to 2002. This city directory abstract was obtained through contract with EDR.
- **Building Record Review:** Building permits and plans on file with the city of Ontario were reviewed.

Historical use review of the vicinity was limited to review of adjacent parcels through review of historical aerial photographs and city directories.

2.2.3 Report Preparation

An ESA report was prepared in accordance with the outline provided in the ASTM E1527-00 guidance.

2.3 SIGNIFICANT ASSUMPTIONS

The following assumptions were made in the execution of this Phase I Baseline ESA:

- This Phase I Baseline ESA is being conducted prior to re-leasing of the property by LAWA.
- Groundwater flow was estimated to be southwesterly based upon information from the EDR report.

2.4 LIMITATIONS AND EXCEPTIONS

The following items are excluded from the scope of the ASTM E-1527 ESA Standard Practice, and were excluded from the scope of this ESA:

- Lead in Water Survey
- Radon Survey
- Wetlands Analysis
- High Voltage Power Lines (EMF) Survey
- Regulatory Compliance Audit
- Ecological Resources Study
- Endangered Species Analysis
- Indoor Air Quality Study
- Cultural & Historical Resources Review
- Industrial Hygiene/Health & Safety Audit

2.5 SPECIAL TERMS AND CONDITIONS

Representatives, Warranties and Covenants

EARTH TECH makes no warranty, either expressed or implied, as to its findings, opinions, recommendations, specifications, or professional advice except that these were promulgated after being prepared in accordance with generally accepted standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature.

The information contained in this report has received appropriate technical review and approval. The conclusions and recommendations presented represent professional judgments and are based upon the findings from the investigation identified in the report and the interpretation of such data based on our experience and background. This acknowledgment is made in lieu of all warranties, either expressed or implied.

All project documents prepared or furnished to LAWA may be based on information outside EARTH TECH's control. EARTH TECH does not warrant, expressed or implied, the accuracy thereof.

Scope of Investigation

The scope of this investigation is limited to the scope of services presented in Section 2.2.

2.6 RELIANCE

All documentation furnished to LAWA is intended for the benefit of LAWA and its tenants. Reuse by others is bound by the contract between LAWA and EARTH TECH. Any reuse without the specific written consent of EARTH TECH for the specific purpose intended will be at user's sole risk and without liability and legal exposure to EARTH TECH. If requested, Earth Tech can issue "Reliance Letters" to others. In this case, reliance on the report will be subject to the terms and conditions specified in the reliance letter.

LAWA agrees to indemnify and hold EARTH TECH harmless from any and all liabilities, losses, costs, or expenses suffered by EARTH TECH in connection with LAWA's unauthorized reuse of project documents.

3.0 SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

3.1.1 Property Name and Address

East Avion Complex
1049 South Vineyard Avenue
Ontario, California 91761

3.1.2 Land Use Zoning: C4 – Airport Service Commercial

3.2 SITE AND VICINITY CHARACTERISTICS

The subject property includes approximately 10.87 acres. The subject property is developed with four buildings. One of the buildings is occupied by an aircraft service equipment company, two of the buildings are used for aircraft storage, and one building is used for airport maintenance storage. The northwest corner of the property is paved and used for automobile parking. The remainder of the property is used for vehicle and equipment storage.

Access to the property is provided from South Vineyard Avenue to the west and from the airport to the north.

The immediate vicinity is dominated by the Ontario International Airport and associated facilities.

3.3 DESCRIPTION OF STRUCTURES

There are four structures located on the subject property.

- **Building 2 (1049 South Vineyard Avenue)** is located at the northwest corner of the subject property. The building has a floor area of approximately 17,200 square feet. Office areas located on the east and west sides of the hangar are finished with drywall, drop ceilings, vinyl floor tile and carpeting.
- **Building 3 (1049-A Vineyard Avenue)** is located just to the east of Building 2. The building has a floor area of approximately 10.600 square feet. An office area located on the north side of the hangar is finished with drywall, drop ceilings, vinyl floor tile and carpeting.
- **Building 5 (1049-C Vineyard Avenue)** is located just to the south of Building 3. The building has a floor area of approximately 10.600 square feet. There is no office area located within Building 5.

- **Maintenance Storage Building (No Address).** This building is an open-sided metal structure on a concrete slab foundation. The maintenance building has a floor area of approximately 6,300 square feet.

3.4 CURRENT USES OF THE PROPERTY

- **Building 2:** ASIG, which conducts maintenance on aircraft support equipment.
- **Buildings 3 and 5:** Guardian Air for aircraft storage.
- **Maintenance Building:** ONT airport for maintenance materials storage.

Additionally, the southern portion of the property is used by ASIG and Evergreen for vehicle and equipment storage.

3.5 CURRENT USES OF ADJOINING PROPERTIES

The subject property is surrounded as follows:

North, Northeast and Northwest:	Ontario International Airport
East and Southeast:	General Electric Company, 1923 East Avion Street
South:	East Avion Street, followed by Sky Chefs, Inc.
Southwest:	Intersection of East Avion Street and South Vineyard Avenue
West:	South Vineyard Avenue and the DOA Command Center Building

General Electric Company, at 1923 East Avion Street is included on the CERCLIS-NFRAP, CORRACTS, RCRIS-TSD, RCRIS-LQG, RCRIS-SQG, BEP, CA FID, HIST UST, DEHS Permit System, ERNS, and CA SLIC databases. According to the BEP listing, approximately 6,000 gallons of hazardous waste were disposed of in dry wells on this site. Testing has indicated that soil beneath the GE facility is contaminated with solvents. Clean-up is being conducted by the responsible parties, General Electric and the City of Los Angeles Department of Airports. The CORRACTS database indicates that an RFI workplan for soil was approved in 1993. As of 1997, human exposures were under control, but unacceptable migration of contaminated groundwater was observed or expected. The CA SLIC database indicates that groundwater monitoring wells were being installed. Due to the potential migration of contaminated groundwater, this facility is considered to represent a recognized environmental condition.

4.0 USER-PROVIDED INFORMATION

4.1 TITLE RECORDS

The client provided no title records for Earth Tech's review.

4.2 ENVIRONMENTAL LIENS

The client and property manager did not indicate any outstanding environmental liens against the subject property.

4.3 SPECIALIZED KNOWLEDGE

The client and property manager did not indicate specialized knowledge of the subject property with respect to this assessment.

4.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

The client did not divulge any information regarding a valuation reduction of the subject property for environmental issues.

4.5 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

The owner of the subject property is LAWA. The occupants of the subject property include Aircraft Service International Group (ASIG), Guardian Air, and Evergreen.

4.6 REASON FOR PERFORMING THE PHASE I

Earth Tech understands that this Phase I Baseline ESA has been performed in preparation for the releasing of the subject property by LAWA.

4.7 OTHER

LAWA provided the following reports associated with the subject property for Earth Tech review:

UST Closure Report – Ontario Aircraft Services, Ontario International Airport, Ontario, CA. September 10, 1999. Camp Dresser & McKee, Inc.

This report indicates that an 8,000-gallon underground storage tank, with unknown contents, was removed from the subject property in August 1999. The UST was discovered during a renovation. Soil samples were collected from beneath each end of the UST. The soil samples were analyzed for total petroleum hydrocarbons (as diesel), benzene, toluene, ethylbenzene, xylenes, and MTBE. No concentrations of these

compounds were detected in the soil samples collected. The excavation was backfilled with clean native soil and import fill and compacted. The San Bernardino County Fire Department issued a letter requiring no further action on September 10, 1999.

Earth Tech's Professional Opinion: *No further assessment is recommended in association with the former UST*

5.0 RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

Earth Tech contracted Environmental Data Resources, Inc. (EDR) of Southport, Connecticut to perform a regulatory database review for the subject property as well as surrounding properties located up to one mile away from the subject property.

SUBJECT PROPERTY

The subject property was identified on the following database reviewed by EDR (the databases searched are summarized in Section 2.2.2):

RCRIS, FINDS – The subject property is included on the RCRIS list under the name "American La France with L A" as a small-quantity hazardous waste generator with no reported violations. This facility is also included o the FINDS database due to the RCRIS listing. The regulated generation of hazardous waste at the subject property is not considered to be a recognized environmental condition.

HAZNET, San Bernardino County Permit – The subject property is listed on the Haznet list under the name American La France of Los Angeles as having disposed of aqueous solution with organic residues, and waste oil and mixed oil. This company is also shown to be permitted as a hazmat handler and as a generator by the County of San Bernardino Department of Environmental Health and Safety. Both of these permits are shown to be inactive. The subject property address is also included on the San Bernardino County list under the name ASIG. This facility has an active hazmat handler permit and inactive generator permit. The permitted generation of hazardous waste from the subject property is not considered to be a recognized environmental condition.

VICINITY

The following sections summarize the results of the database search of the surrounding area.

NPL Sites:

The National Priorities List (NPL), also known as the Superfund List, is an EPA listing of uncontrolled or abandoned hazardous waste sites. These sites are targeted for possible long-term remedial action under the Superfund Act.

TABLE 2
NPL Sites within 1 Mile

Facility Name	No. in EDR Report	Address	Proximity	Description
None	N/A	N/A	N/A	N/A

There are no NPL sites located within a **one-mile radius** of the subject property.

CERCLIS Sites:

The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated or are currently under investigation by the Federal EPA for the release or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation and ultimately placed on the NPL.

TABLE 3
CERCLIS Sites within ½ Mile

Facility Name	No. in EDR Report	Address	Proximity	Description
None	N/A	N/A	N/A	N/A

There are no active CERCLIS sites located within a **½-mile radius** of the subject property. The adjacent GE Engine Services Inc. site at 1923 East Avion Street is included on the CERCLIS-NFRAP (No Further Remedial Action Planned) database. See the discussion of this facility in Section 3.5.

TSDF/SWIS/SWAT Sites:

The Treatment, Storage, and Disposal Facility (TSDF) database contains information pertaining to facilities that either treat, store, or dispose of hazardous waste. The Solid Waste Information System (SWIS) database contains information pertaining to all permitted active and inactive solid waste landfills and processing facilities located within the state of California. The Solid Waste Assessment Test (SWAT) database contains information pertaining to solid waste landfills from which there is a known migration of hazardous waste.

TABLE 4
TSDF/SWIS/SWAT Sites within ½ Mile

Facility Name	No. in EDR Report	Address	Proximity	Description
GE Engine Services Inc.	C10	1923 E. Avion St.	Adjacent to the east Crossgradient	TSDF. Violations exist

There are no SWIS/SWAT sites within a **½-mile radius** of the subject property. There is one TSDF site adjacent to the subject property. The GE Engine Services Inc. facility located adjacent to the east of the subject property is listed as having two violations, which were brought into compliance in 1988 and 1990. See the discussion of this facility in Section 3.5.

CORRACTS Sites:

CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally defined corrective action core events have occurred for every handler that has had corrective action activity.

TABLE 5
CORRACTS Sites within 1 Mile

Facility Name	No. in EDR Report	Address	Proximity	Description
GE Engine Services Inc.	C10	1923 E. Avion St.	Adjacent to the east Crossgradient	Current human exposures under control. Unacceptable migration of contaminated groundwater is observed or expected.

There is one CORRACTS site within a **1-mile radius** of the subject property. The GE site was assigned a low corrective action priority in 1988. The RFI Workplan was approved in 1993. In 1997, the EPA verified that current human exposures were under control, however, unacceptable migration of contaminated groundwater was observed or expected. See the discussion of this facility in Section 3.5.

ERNS/CHMIRS Sites:

The Emergency Response Notification System (ERNS) is a national computer database system that is used to store information on the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. The ERNS reporting system contains preliminary information on specific releases, including the spill location, the substances released, and the responsible party. Please note that information in the ERNS report pertains only to past releases. The CHMIRS (California Hazardous Material Incident Response System) is the California equivalent to the ERNS.

There are no ERNS/CHMIRS sites located **adjacent to** the subject property.

RCRA/RCRIS Generator (Small or Large Quantity) Sites:

The RCRIS databases contain information pertaining to facilities which either generate between 100 kg and 1,000 kg of hazardous waste per month (Small Quantity Generators) or more than 1,000 kg of hazardous waste per month (Large Quantity Generators), or meet other applicable requirements of the Resource Conservation and Recovery Act (RCRA).

TABLE 6
RCRIS Generators Adjacent to the Subject Property

Facility Name	No. in EDR Report	Address	Proximity	Description
GE Engine Services Inc.	C10	1923 E. Avion St.	Adjacent to the E crossgradient	Large quantity generator. Small quantity generator. No violations found.

There is one RCRIS (Small or Large Quantity) Generator located **adjacent to** the subject property. The GE Engine Services Inc. facility is listed as a large quantity generator and as

a small quantity generator with not reported violations. See the discussion of this facility in Section 3.5.

CALSITES (HWS) Sites:

The California Calsites List contains information pertaining to State Hazardous Waste Sites (HWS). Sites formerly listed in the Annual Workplan (AWP), the Abandoned Sites Program Information System (ASPIS), and the Bond Expenditure Plan (BEP) are now included in the CALSITES database.

TABLE 7
CALSITES (HWS) Sites within 1 Mile

Facility Name	No. in EDR Report	Address	Proximity	Description
GE Aircraft, Engine Maint	25	2264 Avion	½-1 mile ESE crossgradient	AWP Active Site
USANG Ontario Air National Guard	26	1280 S. Tower Dr.	½-1 mile ESE crossgradient	Certified as having been remedied satisfactorily under DTSC.

There are two CALSITES (HWS) facilities located within a **1-mile radius** of the subject property. The GE Aircraft Engine Facility is located over ½ mile to the east-southeast, crossgradient from the subject property. This facility is listed as an Annual Workplan Active site with suspected groundwater contamination. The Air National Guard site is listed as having been satisfactorily remediated under the Department of Toxic Substances Control (DTSC). Given the distance and/or status of these facilities, they do not appear likely to negatively impact the subject property.

LUST Sites:

The California Leaking Underground Storage Tank (LUST) List contains information pertaining to reported leaking underground storage tanks within the state of California. EDR has obtained the LUST information from the State Water Resources Control Board (WRCB) and the Regional Water Quality Control Board (RWQCB) overseeing the region containing the subject property.

TABLE 8
LUST Sites within ½ Mile

Facility Name	No. in EDR Report	Address	Proximity	Description
Fluor Corp. Flight Operations	D14	1150 Vineyard	1/8-1/4 mile SSW downgradient	Jet fuel release has only impacted soil. Case closed.
Hertz Rent A Car	23	2060 Emporia	1/2-1 mile SE crossgradient	Gasoline release has only impacted soil. Case closed.
Smithford Products Company	24	1401 Baker	1/2-1 mile SSW downgradient	Gasoline release has only impacted soil. Case closed.

Three LUST sites were identified within a ½-**mile radius** of the subject property.

All three of these sites have only impacted soil and have been closed, and therefore do not appear likely to negatively impact the subject property.

CORTESE Sites:

The California Cortese List, also known as the Hazardous Waste and Substances Sites List, contains summary information pertaining to contaminated sites within the state of California. Contaminated wells, leaking underground storage tanks, and sanitary landfills are among the facilities contained in the Cortese List. Cortese List information often duplicates information contained in other lists (i.e. LUST, CALSITES, etc.).

The CORTESE sites identified within a **1-mile radius** of the subject property are discussed in detail under the other databases reviewed.

UST Sites:

The California Underground Storage Tank (UST) List is a comprehensive listing of registered underground storage tanks within the state of California. The data comes from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

TABLE 9
UST Sites Adjacent to the Subject Property

Facility Name	No. in EDR Report	Address	Proximity	Description
General Electric Co. - Aviation	C7, C12	1923 E. Avion St.	Adjacent to the E crossgradient	Active UST location Historical UST database indicates 17 USTs were located on this site..

There is one registered UST site located **adjacent to** the subject property. See the discussion of this facility in Section 3.5.

5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

5.2.1 Division of Oil and Gas: Earth Tech reviewed the oil and gas well activity overseen by the California Department of Natural Resources, Division of Oil and Gas (DOG). The Munger Map Book contains location and production information for all regulated oil and gas wells in the state of California. No oil or gas well appears to be located on the subject property (Page W-68, Munger Map Book, 2003).

5.2.2 San Bernardino County Fire Department Hazardous Materials Division: A request was made to the San Bernardino County Fire Department, Hazardous Materials Division for any information on file for the subject property. The file for the subject property included a closed business plan for Ontario Aircraft Service (OAS, the former tenant) and an existing business plan for ASIG. This business plan, dated January 24, 2004, indicated that

chemicals stored on site include: oxygen, acetylene, ethanediol, lavatory antifreeze, desolve, motor oil, hydraulic fluid, and lubricant. All materials are stored in containers of 55-gallons or less. Wastes reported on site include: waste batteries, waste ethylene glycol, and waste oil. All materials are stored in containers of 55-gallons or less. The business plan was accepted by the County Fire Department on April 12, 2004.

5.3 PHYSICAL SETTING SOURCES

5.3.1 Topography

The subject property is within the U.S. Geological Survey map, 7.5-Minute Guasti, California Quadrangle. The elevation of the subject property is approximately 913 feet above mean sea level (MSL). The land in the vicinity of the subject property slopes gently toward the south.

5.3.2 Geology

The Site is situated within the Chino basin, within a structural depression that has been filled with material eroded from the surrounding mountain ranges. To the northeast are the San Gabriel Mountains, the Red Hill Fault, and the San Jose Fault. The Chino Hills and the Santa Ana Mountains are located to the west and the Santa Ana River is to the south (CDM, 1999).

The Site is underlain by alluvium deposited from erosion of the surrounding mountains during the Holocene and Pleistocene ages. The alluvium overlies Mesozoic age crystalline rocks of the southern California Batholith (CDM, 1999).

5.3.3 Hydrology

The Site lies within the Chino Groundwater Basin. The Chino Basin is bounded by the San Gabriel Mountains, San Bernardino Mountains, Santa Ana Mountains, and the Puente Hills (CDM, 1999).

Groundwater information from properties within one mile of the subject property indicate that groundwater occurs at a depth of approximately 250 feet bgs with a gradient toward the southwest (EDR, 2004).

5.3.4 Earth Quake Hazard Zones

The subject property is not located within a special fault-rupture hazard zone, as defined by the Alquist-Priolo Earthquake Fault Zoning Act of 1994.

5.3.5 Radon Gas

Earth Tech reviewed the results of the Radon Gas Study conducted by the EPA and the State of California in 1990. Of the 18 sites tested within San Bernardino County, 100% had less than 4 pCi/L of radon activity (the US EPA recommended limit for no action), with an average activity of 0.678 pCi/L.

5.3.6 Flood Plains

The subject property is not located in a 100-year flood zone, but is located within a 500-year flood zone (FEMA Flood Plain Panel 06071C8636F).

5.4 HISTORICAL USE INFORMATION ON THE PROPERTY

The following historical sources were referenced:

Building Records: Building records were reviewed at the City of Ontario Building Department.

Historical Aerial Photographs: Aerial photographs from the following years were reviewed: 1938, 1949, 1953, 1968, 1977, 1989, 1994, and 2002. Digital copies of aerial photographs were obtained from the UCSB MIL Collection through contract with EDR, Inc.

Historical Topographic Maps: Topographic maps from the following years were reviewed: 1941, 1954, 1966, 1973, and 1981. Copies of topographic maps were obtained through contract with EDR, Inc.

Sanborn Maps: The National Sanborn Collection was searched under contract with EDR. No Sanborn maps with coverage of the subject property were available for review.

City Directory Abstract: Historical city directories were searched at approximate five-year intervals from 1922 to 2002 through contract with EDR. The only listings for the subject property address was in 1985 and just listed as "Building".

The composite timeline compiled from these historical sources follows.

Year	Source	Discussion
1938	Aerial Photo	The subject property and adjacent properties appear to be agricultural land.
1941	Topographic Map	The subject property and adjacent properties are shown as undeveloped.
1949	Aerial Photo	The subject property is developed with several small buildings that appear to be part of the Ontario Airport. Airport runways are seen to the north. Two hangar-type buildings are seen to the east. Small buildings are seen to the south. The property to the west is undeveloped.

Year	Source	Discussion
1953	Aerial Photo	The subject property is developed with several small buildings that appear to be part of the Ontario Airport. Aircraft are parked on the north side of the property. Airport runways are seen to the north. Three hangar-type buildings are seen to the east. Small buildings are seen to the south. The property to the west is undeveloped.
1954	Topographic Map	The subject property and surrounding properties appear similar to the description for the 1953 aerial photograph.
1966	Topographic Map	The subject property is shown to be developed with two structures. The Ontario International Airport is shown to the north. Three large buildings and four smaller structures are shown on the property adjacent to the east. The property to the south appears undeveloped. A fire station is shown adjacent to the west.
1968	Aerial Photo	The existing maintenance building is shown on the subject property. Two other buildings are seen on the north end of the subject property with aircraft parked around them. The adjacent properties appear similar to the 1966 topographic map.
1973	Topographic Map	The subject property and adjacent properties appear similar to the 1966 topographic map.
1977	Aerial Photo	The subject property and adjacent properties appear similar to the 1968 aerial photograph.
1981	Topographic Map	The subject property and adjacent properties appear similar to the 1973 topographic map.
1989	Aerial Photo	The subject property appears to be improved with the existing buildings. Adjacent parcels appear to be improved as existing.
1994	Aerial Photo	The subject property and adjacent land appear substantially as noted in the 2004 site reconnaissance.
2002	Aerial Photo	The subject property and adjacent land appear substantially as noted in the 2004 site reconnaissance.

The subject property was agricultural in 1938. By 1949, the Ontario Airport had been constructed and the subject property was developed with several small structures. The use of these structures is not known. The existing maintenance building appears to have been constructed between 1966 and 1968. The other three buildings currently located on the subject property were constructed between 1981 and 1989.

The historical use of the subject property is assumed to have been similar to the current use. However, specific details regarding operations on the subject property were not available. It is likely that petroleum products and solvents were used on the subject property for aircraft service and maintenance. This past use of the subject property is considered to represent a recognized environmental condition.

5.5 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

The historical sources referenced for adjoining properties were the same as those referenced for the subject property, with the exception that building permits for adjoining properties were not reviewed. The timeline in Section 5.4 above indicates the historical use of adjoining properties.

6.0 SITE RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

Mr. David L. Simon, REA along with Mr. Alfred Mercado and Mr. Edwin Velasco conducted the site reconnaissance on March 2 and March 3, 2004. The scope of the site reconnaissance is detailed in Section 2.2.

6.2 GENERAL SITE SETTING

The subject property includes approximately 10.87 acres. The subject property is developed with four buildings. One of the buildings is occupied by an aircraft service equipment company, two of the buildings are used for aircraft storage, and one building is used for airport maintenance storage. The northwest corner of the property is paved and used for automobile parking. The remainder of the property is used for vehicle and equipment storage.

Access to the property is provided from South Vineyard Avenue to the west and from the airport to the north.

The immediate vicinity is dominated by the Ontario International Airport and associated facilities.

6.3 SITE RECONNAISSANCE OBSERVATIONS

HAZARDOUS MATERIALS STORAGE

ABOVEGROUND STORAGE TANKS: The only AST observed on the subject property was a 499 gallon propane AST located to the south of Building 2.

UNDERGROUND STORAGE TANKS: No indications of existing USTs were observed at the subject property.

OTHER REPORTABLE QUANTITIES: A parts washer was observed inside of Building 2. This parts washer uses an aqueous solvent. The parts washer is serviced by Safety Kleen. Hydraulic oil, slide lube, motor oil, waste oil, used oil filters, waste coolant, waste deicing solution, and antifreeze in 55-gallon drums and 5-gallon containers were observed on containment pallets at the east side of the hangar area of Building 2. One gallon containers of oil and antifreeze were observed stored in the maintenance room at the east side of Building 2. No staining or other indications of release were noted in these storage areas. The concrete in these areas was noted to be in good condition and no conduits to the subsurface were noted. The noted storage and parts washer does not represent a recognized environmental condition.

Approximately 60 new five-gallon buckets of paint were observed in the maintenance building on wooden pallets. Approximately 25 empty 55-gallon drums were also observed stored on wooden pallets in this building. No staining or other indications of release were noted in these storage areas. The noted storage does not represent a recognized environmental condition.

No chemical storage was noted in Building 3 or Building 5.

Materials stored along with vehicles and equipment on the southern portion of the subject property included lead-acid batteries and unlabeled containers (5-gallon buckets and 55-gallon drums). This portion of the property is used by ASIG and Evergreen for vehicle and equipment storage. These materials should be identified and disposed of properly.

ODORS: No pungent or noxious odors were detected on the subject property or its immediate vicinity during the inspection.

STAINING: Small areas (less than 2-foot by 3-foot) of apparent oil staining were noted in the paved and unpaved areas of the site. The noted oil staining appeared superficial and does not represent a recognized environmental condition.

WASTE GENERATION

AIR POLLUTION: No evidence was found to indicate that the subject property contributes to air pollution. No visible air emissions or sources of air emission were observed at the subject property. No smells of air emissions, chemical gases, petroleum products, or foul odors were detected on the subject property.

HAZARDOUS WASTE: Hazardous waste generated at the subject property includes the following waste streams:

- **Waste Oil:** Waste oil is stored in a 55-gallon drum on secondary containment in Building 2. The oil is taken off-site for disposal by Mark Alarcon Waste Oil Service.
- **Used Oil Filters:** Used oil filters are stored in a 55-gallon drum on secondary containment in Building 2. The oil filters are taken off-site for disposal by Mark Alarcon Waste Oil Service.
- **Waste Antifreeze:** Waste antifreeze is stored in a 55-gallon drum on secondary containment in Building 2. The waste antifreeze is taken off-site for disposal by Mark Alarcon Waste Oil Service.
- **Waste Deicing Solution:** Waste deicing solution is stored in a 55-gallon drum on secondary containment in Building 2. The waste deicing solution is taken off-site for disposal by Mark Alarcon Waste Oil Service.

No reports or indications of releases of hazardous waste were noted at the subject property. The generation of hazardous waste at the subject property is not considered to be a recognized environmental condition.

INFECTIOUS WASTE: The subject property does not currently generate infectious waste.

SOLID WASTE: Solid waste generated at the subject property is collected by the City of Ontario for disposal off-site.

OTHER SITE OBSERVATIONS

TRANSFORMERS: Pad-mounted transformers were observed in the northwest parking lot area and near the southeast corner of Building 5. These transformers are owned and operated by the Southern California Edison Company (SCE). These transformers do not represent a recognized environmental condition.

VEGETATION: No unusually stressed vegetation was noted.

PONDS: No ponds were observed on the subject property.

POTABLE WATER SYSTEMS: The City of Ontario provides potable water.

POWER DISTRIBUTION SYSTEMS: Southern California Edison provides electricity to the subject vicinity. The subject property is supplied with natural gas by the Southern California Gas Company.

SEWER SYSTEMS/CESSPOOLS/SEPTIC TANKS: The subject property is connected to the sanitary sewer. The subject property was connected to the sewer when the property was developed. No cesspools or septic tanks were identified on the site.

SINKHOLES: No sinkholes were observed on the subject property.

SUMPS: No sumps or clarifiers were noted on the subject property.

TRENCHES: No trenches were noted on the subject property.

WELLS: No current groundwater wells were noted on the subject property.

UNDERGROUND HYDRAULIC LIFTS: No underground hydraulic lifts are located at the subject property.

7.0 INTERVIEWS

7.1 INTERVIEW WITH OWNER

The subject property is owned by LAWA.

7.2 INTERVIEW WITH SITE MANAGER

The subject property is managed by LAWA.

7.3 INTERVIEW WITH OCCUPANTS

Building 2 was occupied by ASIG at the time of the site visit. Earth Tech interviewed Mr. William Mason, Operations Supervisor for ASIG regarding operations at Building 2. No other occupants were interviewed.

7.4 INTERVIEW WITH LOCAL GOVERNMENT OFFICIALS

Earth Tech interviewed building, zoning, and fire department personnel for the City of Ontario regarding the subject property. The information from this research is summarized in the appropriate sections above.

8.0 ADDITIONAL SERVICES

8.1 ASBESTOS SURVEY

Earth Tech, Inc was retained by the LAWA to perform an Asbestos Survey of the property located at 1049 South Vineyard Avenue in Ontario, California.

The survey was conducted on March 2, 2004 by the following State of California Certified Asbestos Consultants/Site Surveillance Technicians:

Mr. David Simon ..... Certificate No. 92-0005
Mr. Alfred Mercado ..... Certificate No. 00-2761

The purpose of the survey was to identify friable and non-friable asbestos-containing building materials and to document the location, material type, asbestos content, friability, and the estimated total quantity.

ACCESS

The survey of the buildings was conducted on March 2, 2004. All functional spaces were accessible and inspected.

SURVEY PROCEDURES

Suspect asbestos-containing material identification was performed by entering each functional space and assessing all structural, architectural, and mechanical components for the presence of suspect asbestos-containing materials. The following is the Environmental Protection Agency (EPA) sample list of suspect asbestos-containing building materials as published in Appendix G of the EPA "Green Book" dated July 1990.

Sample List of Suspect Asbestos-Containing Materials

Cement Pipes
Cement Wallboard
Cement Siding
Asphalt Floor Tile
Vinyl Floor Tile
Vinyl Sheet Flooring
Flooring Backing
Construction Mastics
Acoustical Plaster
Decorative Plaster
Textured Paints/Coatings
Ceiling Tiles and Lay-in Panels
Spray-Applied Insulation
Blown-in Insulation
Fireproofing Materials
Taping Compounds (thermal)
Packing Materials (wall/floor penetrations)
High Temperature Gaskets
Laboratory Hoods/Table Tops
Laboratory Gloves
Fire Blankets
Fire Curtains
Elevator Equipment Panels
Elevator Brake Shoes
HVAC Duct Insulation
Boiler Insulation
Breeching Insulation
Ductwork Flexible Fabric Connections
Cooling Towers
Pipe Insulation
Heating and Electrical Ducts
Electrical Panel Partitions
Electrical Cloth
Electric Wiring Insulation
Chalkboards
Roofing Shingles
Roofing Felt
Base Flashing
Thermal Paper Product
Fire Doors
Caulking and Putties
Adhesives
Wallboard
Joint Compounds
Vinyl Wall Coverings
Spackling Compounds

Note: This list does not include every product/material that may contain asbestos. It is intended as a general guide to show which types of materials may contain asbestos.

The survey conducted was not intrusive and did not include access and sampling of areas that required demolition.

Previous sampling data and original construction plans and specifications were not available at the time of the survey. All findings, conclusions, and analytical data presented in this report are based on the information (field inspection and sampling data) obtained by our inspection team during the survey.

For reporting purposes, space designations were assigned to each functional space within the facility. The functional space designations are used to identify the location of confirmed asbestos-containing materials and are referred to in the report and on the associated drawings.

BULK SAMPLING PROCEDURES

Each suspect asbestos-containing material (ACM) identified was bulk sampled in accordance with sampling guidelines established by the Environmental Protection Agency. The following summarizes the sampling procedures utilized.

1. The location and total quantity of each ACM was tabulated.

2. These materials were then categorized into homogeneous materials. A homogeneous material is defined as being uniform in texture, color, and date of application.

3. A sampling scheme was developed based upon the location and quantity of the various homogeneous materials.

4. Bulk samples were collected by trained personnel using an appropriate sampling tool and a leak-tight container.

5. Decontamination of bulk sampling tools to prevent the spread of secondary contamination to subsequent bulk samples.

6. Each bulk sample was individually numbered and recorded on a Bulk Sample Log.

7. A Chain of Custody Record was maintained to track possession of the samples.

BULK SAMPLING SCHEME: Representative bulk samples were collected in accordance with the following bulk sampling scheme.

1. Surfacing Material: (fireproofing, acoustical, blown-in, trowel-on, plaster, textured paint/coatings)
   - Less than 1,000 SF ..... 3 samples
   - Between 1,000 SF and 5,000 SF ..... 5 samples
   - Greater than 5,000 SF ..... 7 samples
2. Pipe Insulation: (block, corrugated, compressed paper)
   - Less than 1,000 LF ..... 3 samples
   - Greater than 1,000 LF ..... 1 additional sample per 500 LF
   - Joints associated with fiberglass ..... 3 samples
3. Boiler and Tank Insulation
   - Composite Core ..... 3 samples
   - Patches ..... 3 samples each
   - Fire Brick ..... 3 samples
4. Miscellaneous Materials:
   - Transite ..... 1 sample
   - Floor Tile ..... 3 samples
   - Floor Tile Mastic ..... 3 samples
   - Linoleum ..... 3 samples
   - Linoleum Mastic ..... 3 samples
   - Floor Backings ..... 3 samples
   - Drywall/Compound/Tape ..... 3 samples

Ceiling Tile ..... 3 samples
Adhesive/Mastic ..... 3 samples
Window Glazing
a Less than 25 panes ..... 3 samples
b. Greater than 25 panes ..... 3 samples
Vapor Barrier (felts) ..... 3 samples
Asphalt Roofing Products
a. Field Felts (composite) ..... 3 samples
b. Base Flashing ..... 3 samples
c. Mastic ..... 3 samples
Others ..... 3 samples

BULK SAMPLE ANALYSIS

All bulk samples were analyzed by Polarized Light Microscopy (PLM) in accordance with the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples EPA/600/R-93/116" dated July 1993 and adopted by the National Voluntary Laboratory Accreditation Program (NVLAP) Title 15, part 7 of the Code of Federal Register (CFR) as affiliated with the National Institute for Standards and Technology (NIST) with the following exception in reporting procedures.

Exception: The EPA and South Coast Air Quality Management District do not consider those materials which contain one percent or less (< 1%) of asbestos to be an "asbestos-containing material" and those materials are recorded by the laboratory as "none detected". However, the State of California [California Labor Code, Section 6501.8(b)] defines an asbestos-containing building material as any manufactured construction material containing more than one tenth of one percent (> 0.1%) asbestos by weight. Thus, bulk sample analysis of suspect materials indicating less than one percent (< 1%) by weight are reported by the laboratory as "trace" and are identified in this report as an asbestos-containing materials.

Each sample was subject to two microscopy examinations. The first examination was performed at 20X magnification using a stereo microscope equipped with an external illuminator. Each sample was examined for layering, homogeneity, and the presence of fibrous and non-fibrous materials. An estimate of the percentage for each sample component, relative to the entire sample volume, was made. When discrete strata are identified as a separate material, fibers are first identified and quantified by layer and then the results are combined to yield an estimate of total percent asbestos present.

The second examination was performed at a range from 100X to 400X magnification using a Polarized Light Microscope equipped with two polarizing filters to observe specific optical characteristics. The use of polarized light allows the determination of refractive indices along specific crystallographic axes. Morphology and color were also observed. A

retardation plate was placed at a 45-degree angle between the cross polars to determine the sign of elongation using orthoscopic illumination. Orientation of the two filters such that their vibration planes were perpendicular allowed observation of the birefringence and extinction characteristics of anisotropic particles.

All samples were submitted to Forensic Analytical Laboratory for analysis. Forensic Analytical Laboratory is accredited by the American Industrial Hygiene Association (AIHA), National Voluntary Laboratory Accreditation Program (NVLAP), National Institute of Standards and Technology (NIST), and is a successful participant in the Proficiency Analytical Testing Program (PAT).

Laboratory analysis confirmed the presence of asbestos in the following suspect asbestos-containing materials. The following chart identifies the location, material type, percent asbestos, friability, and estimated quantity of material present.

LOCATION	MATERIAL TYPE	PERCENT ASBESTOS	FRIABLE	QUANTITY
Building 2 West Restrooms	Brown Patterned Linoleum/Mastic	65% Chrysotile in Backing	No	180 SF
Building 3 Northwest Office Area	12" Speckled Brown/White Floor Tile/Mastic	3% Chrysotile in Tile, None Detected in Mastic	No	300 SF

The following section provides a complete list of the suspect asbestos-containing building materials bulk sampled within the structures and the corresponding laboratory Certificate of Analysis. A copy of the Forensic Analytical laboratory report is included as an Appendix to this report.

SUSPECT/CONFIRMED ASBESTOS-CONTAINING BUILDING MATERIAL INVENTORY

The following suspect asbestos-containing building materials were identified in the referenced functional space. The inventory identifies the sample number, material type, location, asbestos content, friability, and estimated total quantity of material. All suspect asbestos-containing building materials identified were bulk sampled to determine if they contain asbestos, no materials were assumed to be asbestos-containing. All materials for which laboratory analysis confirmed the presence of asbestos in quantities greater than 1/10 of 1 percent (> 0.1%) have been highlighted.

SAMPLE NO.	MATERIAL TYPE	SAMPLE LOCATION	ASBESTOS CONTENT	FRIABLE	QUANTITY
1	2' x 4' Fissured Ceiling Tile	Building 2 Conference Room	None Detected	N/A	N/A
2	2' x 4' Fissured Ceiling Tile	Building 2 Office	None Detected		
3	2' x 4' Fissured Ceiling Tile	Building 2 Admin. Office	None Detected		
4	Brown Baseboard/Mastic	Building 2 Conference Room	None Detected	N/A	N/A
5	Brown Baseboard/Mastic	Building 2 Office	None Detected		
6	Brown Baseboard/Mastic	Building 2 Front Ops Office	None Detected		
7	Drywall	Building 2 Conference Room	None Detected	N/A	N/A
8	Drywall	Building 2 Office	None Detected		
9	Drywall	Building 2 Front Ops Office	None Detected		
10	12" Speckled Gray Floor Tile/Mastic	Building 2 East Women's Restroom	None Detected	N/A	N/A
11	12" Speckled Gray Floor Tile/Mastic	Building 2 Parts Room	None Detected		
12	12" Speckled Gray Floor Tile/Mastic	Building 2 East Men's Restroom	None Detected		
13	Gray Baseboard/Mastic	Building 2 East Women's Restroom	None Detected	N/A	N/A
14	Gray Baseboard/Mastic	Building 2 Parts Room	None Detected		
15	Gray Baseboard/Mastic	Building 2 East Men's Restroom	None Detected		
16	Drywall	Building 2 Outside of E. Men's Room	None Detected	N/A	N/A
17	Drywall	Building 2 Parts Room	None Detected		

18	Drywall	Building 2 East Women's Restroom	None Detected		
19	Tan Baseboard/Mastic	Building 2 East Office	None Detected	N/A	N/A
20	Tan Baseboard/Mastic	Building 2 East Office	None Detected		
21	Tan Baseboard/Mastic	Building 2 Locker Room	None Detected		
22	2' x 4' Fissured Ceiling Tile	Building 2 Locker Room	None Detected		
23	2' x 4' Fissured Ceiling Tile	Building 2 East Office	None Detected		
24	2' x 4' Fissured Ceiling Tile	Building 2 East Office	None Detected		
25	2' x 2' Ceiling Tile	Building 2 Front Ops. Office	None Detected	N/A	N/A
26	2' x 2' Ceiling Tile	Building 2 Accounting Office	None Detected		
27	2' x 2' Ceiling Tile	Building 2 Accounting Office	None Detected		
28	**Brown Patterned Linoleum/Mastic**	**Building 2 West Women's Restroom**	**65% Chrysotile in Backing**	**No**	**180 ft. sq.**
29	**Brown Patterned Linoleum/Mastic**	**Building 2 West Women's Restroom**	**Not Analyzed**		
30	**Brown Patterned Linoleum/Mastic**	**Building 2 West Men's Restroom**	**Not Analyzed**		
31	**12" Speckled Brown/White Floor Tile/Mastic**	**Building 3 NW Corner Office**	**3% Chrysotile in Tile, None Detected in Mastic**	**No**	**300 ft. sq.**
32	**12" Speckled Brown/White Floor Tile/Mastic**	**Building 3 West Office**	**Not Analyzed**		
33	**12" Speckled Brown/White Floor Tile/Mastic**	**Building 3 Hallway**	**Not Analyzed**		
34	12" Speckled Tan Floor Tile/Mastic	Building 3 West Office	None Detected	N/A	N/A
35	12" Speckled Tan Floor Tile/Mastic	Building 3 West Office	None Detected		
36	12" Speckled Tan Floor Tile/Mastic	Building 3 West Office	None Detected		
37	12" White Floor Tile/Mastic	Building 3 Middle Offices	None Detected	N/A	N/A
38	12" White Floor Tile/Mastic	Building 3 Middle Offices	None Detected		
39	12" White Floor Tile/Mastic	Building 3 Middle Offices	None Detected		
40	Brown Baseboard/Mastic	Building 3 NW Corner Office	None Detected	N/A	N/A
41	Brown Baseboard/Mastic	Hallway	None Detected		

42	Brown Baseboard/Mastic	Hallway	None Detected		
43	Light Gray Baseboard/Mastic	Building 3 Middle Offices	None Detected	N/A	N/A
44	Light Gray Baseboard/Mastic	Building 3 Middle Offices	None Detected		
45	Light Gray Baseboard/Mastic	Building 3 Middle Offices	None Detected		
46	Dark Gray Baseboard/Mastic	Building 3 NE Offices	None Detected	N/A	N/A
47	Dark Gray Baseboard/Mastic	Building 3 NE Offices	None Detected		
48	Dark Gray Baseboard/Mastic	Building 3 East Offices	None Detected		
49	Drywall	Building 3 East Offices	None Detected	N/A	N/A
50	Drywall	Building 3 North Wall	None Detected		
51	Drywall	Building 3 Middle Office	None Detected		
52	Acoustic Ceiling Material	Building 3 Hallway	None Detected	N/A	N/A
53	Acoustic Ceiling Material	Building 3 Hallway	None Detected		
54	Acoustic Ceiling Material	Building 3 Hallway	None Detected		
55	2' x 4' Fissured Ceiling Tile	Building 3 Hallway	None Detected	N/A	N/A
56	2' x 4' Fissured Ceiling Tile	Building 3 Center Office Area	None Detected		
57	2' x 4' Fissured Ceiling Tile	Building 3 West Office Area	None Detected		

The following federal, state, and local regulations require that the identified asbestos-containing materials be removed from 1049 South Vineyard Avenue prior to demolition or renovation and that written notification be provided to contractors and other effected parties.

1. The Federal National Emissions Standards for Hazardous Air Pollutants (NESHAP) for building demolition and renovation applies to facilities that contain more than 160 linear feet or 100 square feet and requires that asbestos-containing building materials be removed prior to demolition or renovation.

2. The California Health and Safety Code Chapter 10.4 requires that any owner of a commercial or industrial building provide written notice to their employees, tenants and contractors about the presence of asbestos in the building within 15 days of receipt of such knowledge. Any contractor that receives such notice is required to provide a copy to each of its employees.

3. South Coast Air Quality Management District Rule 1403 requires written notification 10 working days prior to the demolition of any structure and that all

friable and non-friable asbestos-containing building materials be removed prior to demolition by a State of California licensed asbestos abatement contractor.

NOTE: Other asbestos related and non-asbestos related regulations apply to site demolitions.

8.2 LEAD BASED PAINT SURVEY

Earth Tech, Inc. was also retained by LAWA to perform an XRF Lead-Based Paint (LBP) Survey of the property located at 1049 South Vineyard Avenue in Ontario, California.

Mr. Alfred Mercado and Mr. Edwin Velasco conducted the survey on March 3, 2004.

The purpose of the survey was to identify LBP and lead-containing paint (LCP) and to document the location, paint type (color), substrate, total lead content, condition and estimated total damaged quantity for each lead based paint identified. Excluded from the survey was subsurface investigation of suspect LBPs.

A variation of the random sampling protocol described in the HUD guidance document (U.S. Department of Housing and Urban Development, June 1995) was utilized in developing the sampling procedures for this LBP survey. Random sampling of a facility that has similar characteristics such as construction materials, painting histories, and date of construction is considered an appropriate methodology. This process reduces the cost of testing and makes it possible to evaluate and make decisions of assumed representative components without exhaustive testing.

The measurement procedures developed for the buildings involved collecting measurements from select, representative exterior and interior building components. Measurements were collected to determine if a lead-containing surface coating (LCSC) was present.

A Niton XL X-Ray Fluorescence Spectrum Analyzer (XRF) was used to detect the presence of lead in suspect LBPs. Paint containing greater than or equal to 0.7 mg/cm^2 of lead was considered LBP. Lead-containing paint (LCP) is defined by Cal/OSHA as paint containing any detectable concentration of lead.

ACCESS

The survey was conducted on March 3, 2004. All functional spaces were accessible and inspected.

Suspect LBP identification was performed by entering each functional space and assessing accessible structural, architectural, and mechanical components for the presence of suspect LBPs.

The survey conducted was intrusive and did include access and sampling of areas that required demolition. The inspection team accessed those areas where reasonable suspicion suggested suspect LBP might be concealed.

Previous sampling data and original construction plans and specifications were not available at the time of the survey. All findings, conclusions, and analytical data presented

in this report are based on the information (field inspection and sampling data) obtained by our inspection team during the survey.

For reporting purposes, space designations were assigned to each functional space within the facility. The functional space designations are used to identify the location of confirmed LBP and are referred to in the report and on the associated drawings.

PROCEDURES

Surface Testing Using X-Ray Fluorescence (XRF) Spectrum Analyzer

The XRF detector used for this survey was the NITON XL 309 Spectrum Analyzer. All operators were trained by NITON Corporation on the proper operating techniques and have been issued certificates.

NITON XL 309 - Information

The Niton XL 309 uses a 10 millicurie Cadmium^{109} source, which has a half-life of 15 months. The XL measures both the L X-ray and K X-ray lines of lead. The triple L X-rays are independent of the substrate; are shown on the screen separately; have no read-through; are fast, highly accurate, and precise at low levels; and can penetrate 0.5 millimeter (mm) of paint. The L X-rays are used to determine the levels of lead in the paint and the K X-rays are used to resolve ambiguities and provide measurements for painted surfaces with numerous layers of paint.

The XL is a multi-channel analyzer of XRF, controlled by a microprocessor, with a liquid crystal display (LCD) to show the resultant spectra and readings. It reads from 1,024 channels and displays 100 channels.

The LCD displays:

- Lead levels of both L and K X-ray readings
- The precision of the instrument (i.e., +/- 0.1)
- A depth for each sample (from 1 to 10)
- Time in source seconds (Ss) and watch (live) seconds
- Battery life and temperature.

The detection range of the L X-rays is from 0.1 to 5.0 mg/cm^2. The K X-ray detection range is from 0.1 to 100 mg/cm^2.

The LCD screen shows a continuous readout of each item indicated while the sample is being taken, allowing the operator the opportunity to continue the measurement until the desired accuracy and precision have been achieved. Therefore, sampling time can vary from 5 seconds to a few minutes.

The measuring window of the XL is 1 centimeter (cm) x 2 cm and is located on the bottom of the device near the front edge, thus allowing sampling of small surfaces (i.e., top side of a chair rail).

Calibration

The NITON XL automatically calibrates each time the device is turned on. The calibration is accomplished by sampling the tungsten shield and adjusting its sampling results to match the known response of the tungsten. This calibration was conducted every day.

XRF Measurement Collection

Following the identification of the select, representative building component to be measured, the location was identified and a "representative" measurement was collected.

Once a location was identified, all necessary data were entered into the NITON XL. These data included:

1. Room
2. Component type (structure and feature)
3. Component substrate
4. Component condition
5. Side.

Following the entry of the above information, a measurement was taken. After 3 seconds, the XL always showed a graphic display, an autoscaled spectra from 0 to 25 kilo-electron volts (keV). If lead was present, three independent peaks were shown from the alpha, beta, and gamma ranges of the L X-rays. The middle peak (beta) at 12.6 keV was a definite signal of the presence of lead. At any time after 3 seconds, the XL displayed a numerical reading in the standard mode if there was a 95 percent confidence level of the result.

INTERPRETATION OF XRF SAMPLING DATA

Lead-Based Paint (LBP)

For this project the XRF measurement data were interpreted as follows:

- Positive results (LBP present) were determined when L results revealed a lead concentration of 0.7 mg/cm^2 or greater.

- Negative results (LBP not present) were determined when L results revealed a lead concentration of less than 0.7 mg/cm^2.

The following rules were applied to the measured representative components of each building type:

Lead Present

If at least one measurement of the select exterior or interior building component was positive, then LCSC and/or LBP as previously defined, was considered present on the select building component and similar components.

No Lead Present

LCSC and/or LBP was determined not to be present when **all** of the measurements of the select, representative building component types were negative, as previously defined.

FINDINGS:
A total of 131 representative XRF readings were obtained from the structures. XRF results revealed the presence of lead in quantities greater than or equal to 0.7 mg/cm^2 in 8 of the samples.

The following LBP was identified in the buildings, but is undamaged:

1. Beige Paint – Ceramic Tile in Rooms 101 and 102 in Building 2 and Room 111 in Building 3
2. White Paint – Ceramic Tile in Room 113 in Building 2 and Room 112 in Building 3
3. Red Paint – Ceramic Tile in Room 113 in Building 2
4. Yellow Paint – Concrete Floor Outside Building 2
5. White Paint – Concrete Floor in Maintenance Building

Lead was detected in quantities below 0.7 mg/cm^2, but above the detection limit of 0.01 mg/cm^2 in 53 of the samples (LCP).

The following LCP was identified in the buildings, but is undamaged:

1. White Paint – Drywall Walls in Rooms 104, 105, 106, 108, 109, 111, and 114 in Building 2
2. Beige Paint – Metal Door and Jamb in Room 107 in Building 2
3. White Paint – Wood Door and Jamb in Room 111 in Building 2
4. Brown Paint – Metal Beam in the Warehouse Area in Building 2
5. White Paint – Metal Column in the Warehouse Area in Building 2
6. White Paint – Window Casing in the Warehouse Area in Building 2
7. White Paint – Metal Exterior Wall and Door on Building 2 and Door on Building 3
8. Brown Paint – Metal Exterior Beam on Building 2
9. Beige Paint – Metal Exterior Walls on Buildings 2, 3, and 5 and the Maintenance

Building
10. White Paint – Metal Door in Room 101 in Building 3
11. White Paint – Wood Wall in Room 105 in Building 3
12. Blue Paint – Wood Wall in Room 105 in Building 3
13. White Paint – Drywall Walls in Room 108 in Building 3
14. Brown Paint – Ceramic Tile and Baseboard in Restrooms in Building 3
15. Brown Paint – Wood Door Jamb in the Hangar in Building 3
16. Red Paint – Metal Beams and Columns in the Hangar in Building 3
17. Black Paint – Metal Exterior Wall on Building 3
18. Red Paint – Brick Exterior Wall on Building 3
19. Red Paint – Metal and Concrete Beams and Columns in Building 5
20. White Paint – Metal Door and Jamb in Building 5
21. White Paint – Concrete Floor in Building 5
22. Red Paint – Metal Beams and Columns in the Maintenance Building
23. Red Paint – Exterior Beam on the Maintenance Building

Lead was not detected in quantities above the detection limit of 0.01 mg/cm^2 in 70 of the samples.

Specific XRF results for each suspect LBP sampled are provided in Section 6 – XRF Results.

QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

As required by the XRF PCS, quality control (QC) was accomplished through three measurements of a known lead standard. These measurements were taken of a red colored sample with a known lead concentration (1.0 $mg/cm^2 \pm 0.1$). During these measurements, the expected average lead concentration was approximately 1.0 mg/cm^2. These QC procedures were conducted at the beginning and ending of each day, and/or whenever the XRF was turned on after a period of non-use. The QC readings were recorded in the sampling data.

Lead-Based Paint Related Demolition

Current Federal, State, and local regulations do not require the removal of tightly adhered LCP prior to demolition. As previously indicated, no damaged LBP was identified in the buildings.

8.3 OTHER POTENTIAL HAZARDOUS MATERIALS

Earth Tech, Inc. also surveyed the buildings for other potential hazardous materials including PCB-containing fluorescent light ballasts.

Mr. Alfred Mercado and Mr. Edwin Velasco conducted the survey on March 3, 2004.

Various styles of fluorescent light fixtures were observed throughout the buildings. Representative light fixtures were inspected for labels indicating "no PCBs". One ballast located in the parts room in Building 2 was noted to be labeled "No-PCB". No other ballasts containing the "No-PCB" label were found.

Unlabeled light ballasts should be removed as PCB-containing waste prior to renovation or demolition activities that might impact these materials.

9.0 FINDINGS

At the request of LAWA, Earth Tech, Inc. (Earth Tech) has performed a Phase I Baseline Environmental Site Assessment in accordance with the Scope of Services detailed in Section 2.2 and in general conformance with the scope and limitations of ASTM Standard Practice E1527-00. Any exceptions to, or deletions from, the ASTM Practice are described in Section 2.4 of this report.

It is Earth Tech's professional opinion that this assessment has revealed the following historical and/or current "recognized environmental conditions" (as that term is defined in ASTM Standard Practice E1527-00) in connection with the Property:

- **HISTORICAL PROPERTY USE:** The subject property was developed in the 1940s as a part of the Ontario Airport. The configuration of the buildings on the subject property has changed several times over the years. The exact nature of operations on the subject property are not known, but are assumed to include aircraft repair and maintenance activities.

- **UNDERGROUND STORAGE TANKS:** An 8,000-gallon underground storage tank was removed from the subject property in August 1999. The UST was discovered during a renovation. Soil samples were collected from beneath each end of the UST. The soil samples were analyzed for total petroleum hydrocarbons, benzene, toluene, ethylbenzene, xylenes, and MTBE. No concentrations of these compounds were detected in the soil samples collected. The excavation was backfilled with clean native soil and import fill and compacted.

- **ASBESTOS-CONTAINING MATERIALS:** Non-friable ACMs exist on the subject property.
- **LEAD-BASED PAINT:** Lead-based paint was found in good condition. These materials do not represent a health risk in their current state.
- **GROUNDWATER CONTAMINATION ON ADJACENT PROPERTY:** Known releases at the GE facility located adjacent to the east of the subject property are suspected to have impacted groundwater.

10.0 OPINIONS

It is Earth Tech's professional opinion that further investigation will be required in order to evaluate the following "recognized environmental conditions":

- **HISTORICAL PROPERTY USE:** Spillage of petroleum hydrocarbons and solvents used during these activities may have impacted the subsurface.
- **ASBESTOS-CONTAINING MATERIALS:** These materials do not represent a health risk in their current state. However, these materials could cause a health risk, if damaged or disturbed.
- **LEAD-BASED PAINT:** These materials do not represent a health risk in their current state. However, these lead-based materials could cause a health risk, if damaged or disturbed.
- **GROUNDWATER CONTAMINATION ON ADJACENT PROPERTY:** It is possible that impacted groundwater from the adjacent property has migrated or could migrate beneath the subject property.

11.0 CONCLUSIONS AND RECOMMENDATIONS

In Earth Tech's professional opinion, the following further actions are recommended:

1) **Soil Vapor Sampling:** Soil vapor sampling is recommended along the west and north sides of the subject property in the areas where buildings were previously located to evaluate possible impacts to the subsurface.

2) **Asbestos-Containing Materials:** An operations and maintenance program is recommended to control disturbance of suspect ACM in the buildings.

3) **Lead-Based Paint:** An operations and maintenance program is recommended to control disturbance of lead-based paint in the building.

4) **Monitoring of Site Assessment and Remediation Activities:** The results of any site assessment or remediation activities conducted on the property adjacent to the east, should be reviewed in order to monitor the progress of the clean up.

12.0 REFERENCES

Hart, E.W., *Fault-rupture hazard zones in California*: California Division of Mines and Geology Special Publication 42 (1994 Revision); 24 pp, 1994.

United States Geological Survey (U.S.G.S.), 7.5 Minute Series topographic map of the Guasti, California, Quadrangle, dated 1964 (photorevised 1981).

Yerkes, R.F., McCulloh, T.H., Schoellhamer, J.E. and Vedder, J.G., *Geology of the Los Angeles Basin, California* - an introduction: United States Geological Survey Professional Paper 420-A, 57 pp., 2 plates, 1965.

Note: See end of EDR report for references on Databases searched and their date of publication.

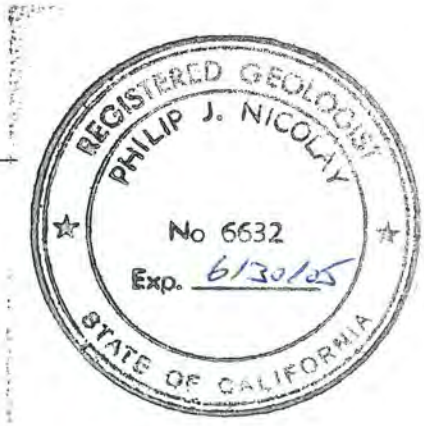
13.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Prepared by:



David L. Simon
Project Engineer
California Class I - Registered Environmental Assessor, No. 05171
California Certified Asbestos Consultant, No. 92-0005

The Phase I Baseline Environmental Site Assessment and this report was prepared under the supervision of:



Philip Nicolay
Registered Geologist No. 6632

14.0 QUALIFICATIONS OF RESPONSIBLE ENVIRONMENTAL PROFESSIONALS

PHILIP NICOLAY, RG — **Senior Geologist**

EDUCATION

B.A., Geology, San Francisco State University, 1983

REGISTRATIONS/CERTIFICATIONS

Registered Geologist, California, 1996

TECHNICAL TRAINING

OSHA training, 40 hours
Management/Supervisory training, 8 hours
DOT HM-126F training

KEY QUALIFICATIONS

PROFESSIONAL SUMMARY

Mr. Nicolay has more than 11 years of experience managing a variety of environmental projects for industry. He has managed projects ranging from retail service station outlets to site assessment and closure at bulk storage terminals and refineries. Mr. Nicolay has experience with all facets of environmental restoration and underground storage tank projects. He has successfully managed a multi- disciplinary staff and subcontractors to achieve the project objectives and to attain site closure.

PROFESSIONAL EXPERIENCE

Former Unocal Bulk Storage Facility, San Pedro, California. Project Manger responsible for the remedial investigation, feasibility study, and remediation of a 22-acre crude oil storage facility. Through site characterization, determined that soil and groundwater had been impacted with petroleum hydrocarbons. Through negotiations with the Los Angeles Regional Water Quality Control Board and Port of Los Angeles, expedited closure of the facility, saving Unocal lease and remediation costs and allowing redevelopment of the property.

Former Unocal Bulk Storage Facility, Brea, California. Directed assessment and feasibility study project at a former Unocal bulk storage facility in Brea. Property had been divested and was occupied by a chemical manufacturer. Performed a soil and groundwater assessment to define the extent of crude oil beneath the site. Removed crude in bulk from the subsurface using Unocal subcontractors. Was able to show that the plume was not

1049 South Vineyard Avenue
ONTARIO, CA 90293

migrating and posed a minimal threat to degrade groundwater further.

Condensate Remediation From Active Oil Field Pipeline. Managed assessment and remediation of a petroleum condensate release from a crude oil pipeline near a wetlands environment. Defined the lateral extent of impacted groundwater, and developed and implemented a remedial action plan. Reduced hydrocarbon concentrations in groundwater by 90% over the 24-month remedial process. Closure levels based on best available technology. Conducted post-remediation monitoring and received closure.

Groundwater Sampling Refinery, Torrance, California. Developed a multiple aquifer groundwater sampling program that saved a major oil company more than $70,000 a year. Reduced the number of wells to be sampled per quarter while maintaining the necessary control over the groundwater plume. Also, streamlined the quarterly groundwater report format to reduce the quarterly sampling and monitoring cost further.

Projects for Major Oil Company Clients. Served as principal client contact and project manager for two major petroleum company accounts. Managed remedial investigations at retail service stations, bulk storage terminals, metal plating, and refining operations. Managed tank removals and replacements at sites throughout Southern California. Managed engineers and hydrologists performing testing to determine the engineering design parameters for in situ and ex situ remedial alternatives. Successfully closed former station in Orange County, California, using risk assessment results in negotiations with regulators.

Site Investigation, City of Oregon City, Oregon. Managed the assessment of areas that may have released toxic chemicals during flooding in Central Oregon in 1996. Developed the sampling protocol and analytical requirements to evaluate the sediments and surface water for contamination. Completed the field investigation and report with recommendations prior to the beginning of the summer tourist season. Allowed the client time to remove contamination material and reopen public facilities in a timely fashion.

Site Closure, CPC Bakery, Various Sites. Managed closure at multiple sites for a nationwide baking business. At a former vehicle maintenance facility in Fullerton, negotiated site closure for a release of hydraulic oil into the subsurface. At bakery sites in Placentia and Montebello, successfully closed the sites following tank removal and abandonment.

Closure Plan, The Gas Company, Mission Viejo, CA. Developed a closure plan for a former gas company vehicle maintenance facility in Mission Viejo, CA. Using existing data and risk based guidelines published by the San Diego Regional Water Quality Control board, saved the gas company thousands of dollars in additional remedial action costs and allowed the property to be sold and reused as an auto dealership.

1049 South Vineyard Avenue
ONTARIO, CA 90293

Project Manager, Site Investigations and Closures, World Oil, Various Sites. Managing multiple sites: coordinated field activities at a bulk storage terminal and retail gasoline service station outlets; developed closure documents for two sites in Los Angeles; and assessed the subsurface conditions at a former gasoline service station that has since been redeveloped into a small shopping center.

Phase II Site Assessments, Various Sites in San Diego County, CA. Project Manager for Phase II site assessments at over 35 Thrifty gas station sites in San Diego County. The work included drilling shallow borings to determine any contamination or leaking tanks in support of site acquisition screening.

USPS SVE Operation, El Cajon, California. Will be operating Soil Vapor Extraction system until site is remediated and closure is reached.

1049 South Vineyard Avenue
ONTARIO, CA 90293

DAVID L. SIMON, R.E.A.

Project Engineer

KEY QUALIFICATIONS

- Project Manager for more than 400 Phase I ESA investigation in the past eight years
- Thoroughly familiar with the requirements of ASTM Standard Practice for Environmental Site Assessments (E1527-97/2000).
- Project/Site Manager for Asbestos and Lead-based Paint Surveys and Phase II Assessments for various facilities.

BACKGROUND

David Simon has more than 14 years of environmental experience on various projects including Phase I, Phase II, Remedial Investigation/Feasibility Studies, and asbestos and lead-based paint identification and abatement activities. Representative project experience includes:

PHASE I

- Served as Project Manager for over 400 Phase I site assessments on properties located throughout the western United States, primarily in California. Responsibilities included determining scope of work, coordinating project tasks, conducting site reconnaissance, identifying hazardous materials and petroleum products concerns (PCBs, Asbestos-containing Materials, Lead-containing Paint, USTs, ASTs, etc.), conducting historic site and vicinity review (including review of historic aerial photographs, historic maps, and building permits), reviewing agency database information in order to assess potential contamination at the subject property and potential impact to the subject property by surrounding sites, contacting appropriate government agencies, and summarizing the information obtained during the Phase I investigation into a final report for submission to the client.

PHASE II

- Project manager for over 20 Phase II investigations as follow-up to potential contamination discovered during Phase I investigations. In these situations, the existence of former USTs with no formal closure was identified. Responsibilities included preparation of scope of work, workplan, oversight of field operations, data review and interpretation, and report preparation.

1049 South Vineyard Avenue
ONTARIO, CA 90293

Types of facilities include the following:

- Gasoline Stations
- Manufacturing Facilities
- Commercial Buildings
- Historical Facilities with USTs, Clarifiers
- Dry Cleaners
- Agricultural Facilities

ASBESTOS AND LEAD PAINT

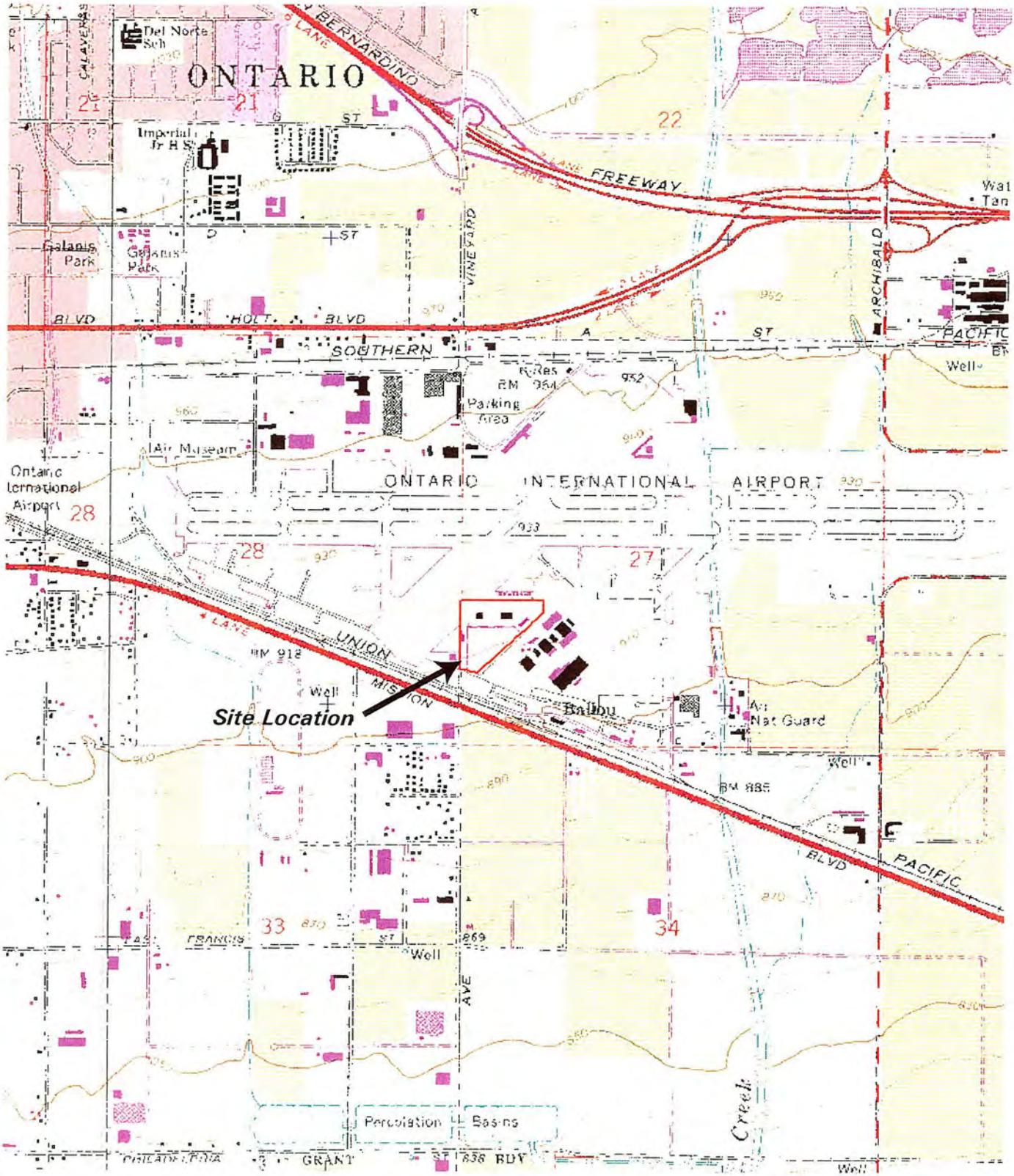
- Project Manager/Field Supervisor for surveys to identify the locations of asbestos-containing materials and lead-based paint. Responsibilities during abatement projects included oversight of contractor work practices, monitoring, notifications, and report preparation.

  Types of facilities investigated and/or abated include:

  - High-rise Office Buildings
  - Educational Facilities
  - Apartment Buildings
  - Commercial Properties
  - Industrial/Warehouse Properties
  - Historical Structures

APPENDIX A

SITE MAP



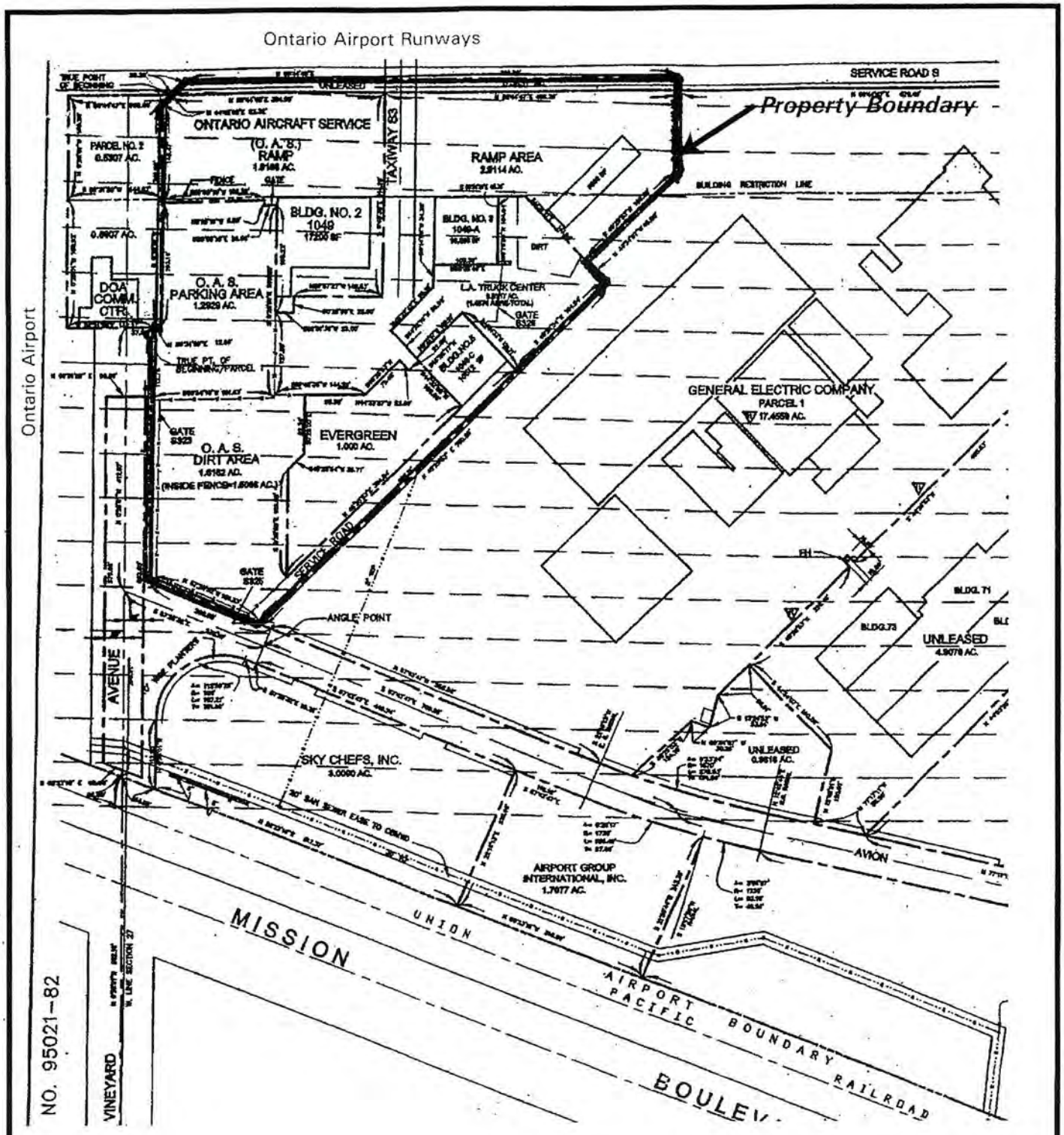
EARTH TECH A tyco INTERNATIONAL LTD. COMPANY	Project No. 75412 East Avion Complex
	Site Map Figure 1

North
Scale 1:24000

Source: USGS Topographic Map, Guasti and Ontario, CA Quadrangles.

APPENDIX B

SITE PLAN



North
Not to Scale

EARTH TECH	Project No. 75412
	East Avion Complex

Site Plan

Figure 2

APPENDIX C

SITE PHOTOGRAPHS

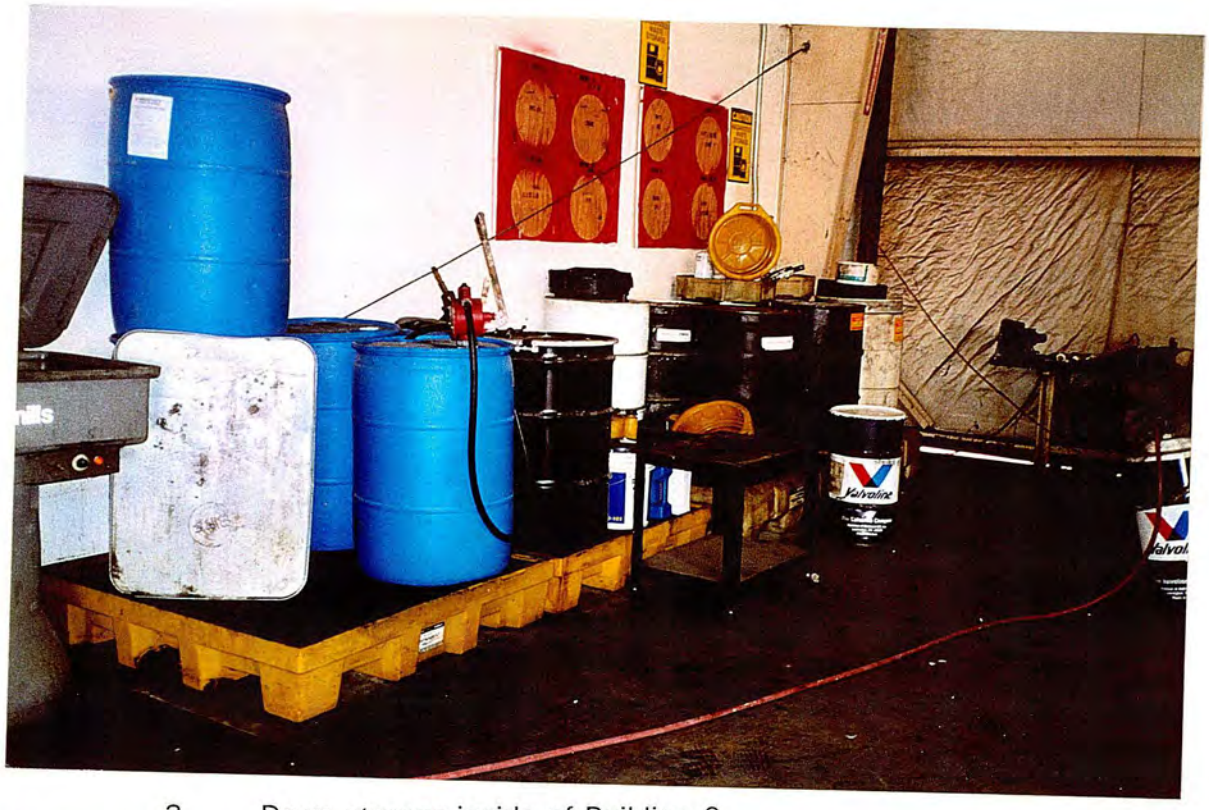
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ONTARIO, CA 90293



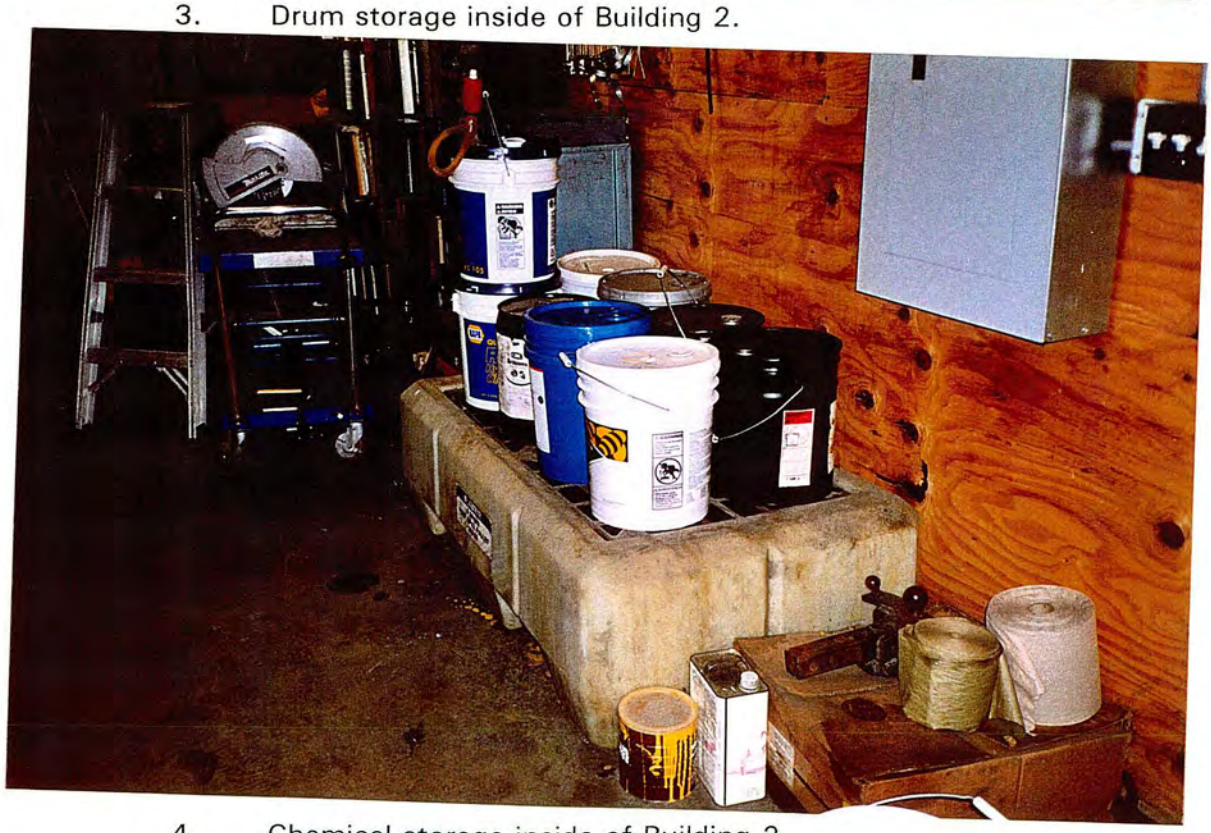
1. View of the subject property, looking toward the northeast.



2. View of Building 2, looking toward the north.



3. Drum storage inside of Building 2.



4. Chemical storage inside of Building 2.



5. Propane AST located to the south of Building 2.



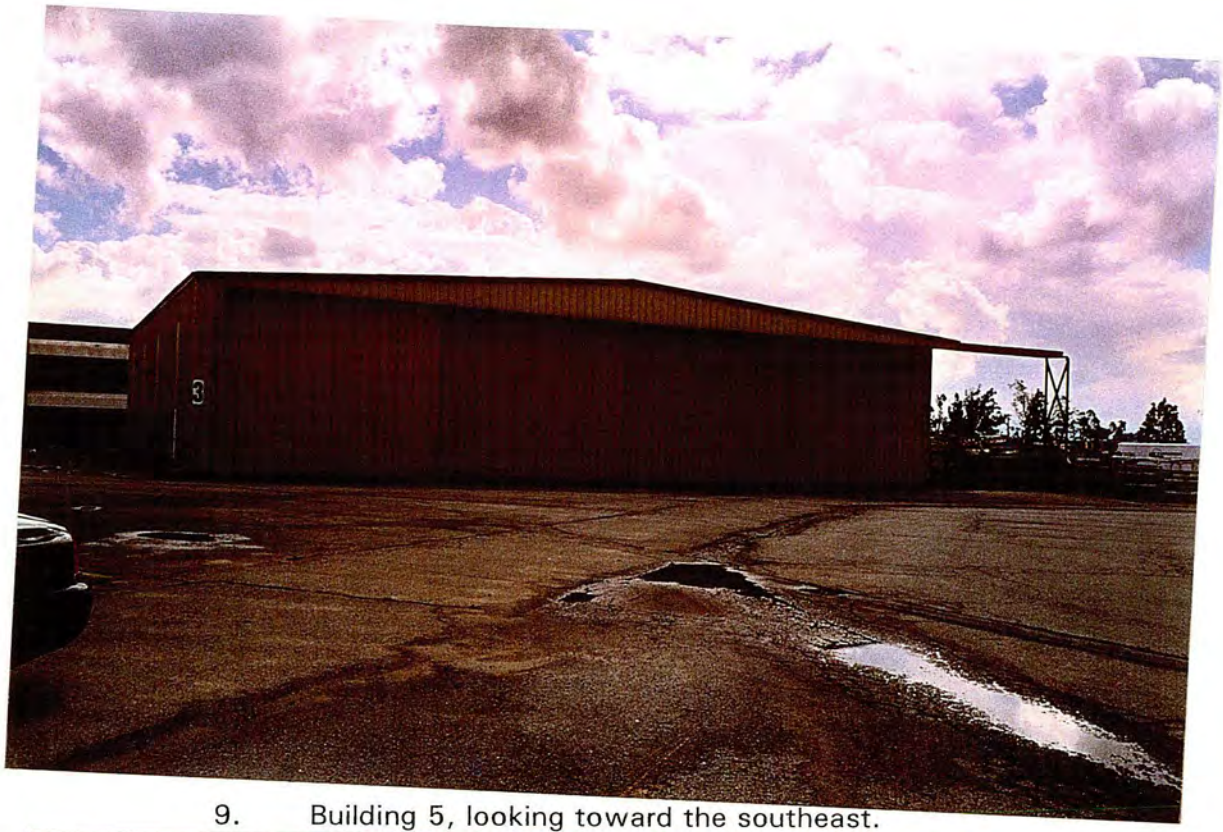
6. Former UST location at the east side of Building 2.



7. Building 3, looking toward the northeast.



8. Interior of hangar area in Building 3.



9. Building 5, looking toward the southeast.



10. Interior of Building 5.



11. Maintenance Building.



12. Maintenance material storage in the Maintenance Building.



13. View of the southern portion of the subject property.



14. Vehicle storage on the southern portion of the subject property.

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engineering and technology

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

EAST AVION COMPLEX
1049 SOUTH VINEYARD AVENUE
ONTARIO, CALIFORNIA

Prepared for:

Los Angeles World Airports
One World Way
Post Office Box 92216
Los Angeles, California 90009-2216

Prepared by:

Earth Tech, Inc.
300 Oceangate, Suite 700
Long Beach, California 90802

Earth Tech Project No. 81051

February 2005

Prepared by:



David Simon, REA
Project Engineer

The Limited Phase II Site Assessment and this report was prepared under the supervision of:

Philip Nicolay
Registered Geologist No. 6632

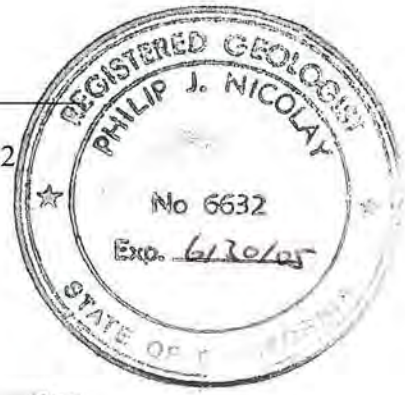


TABLE OF CONTENTS

Section **Page**

EXECUTIVE SUMMARY ..... **I**

1.0 INTRODUCTION **2**
1.1 Site Description 2
1.2 Background 2
1.3 Purpose and Scope of Services 2

2.0 SOIL VAPOR SURVEY **3**
2.1 Sampling Methods 3
2.2 Analytical Sample Processing 3
2.3 Laboratory Analysis 3
2.4 Quality Assurance/Quality Control (QA/QC) 3
2.5 Soil Gas Sample Locations 4

4.0 FINDINGS **6**
4.1 Site Stratigraphy 6
4.2 Analytical Soil Vapor Results 6

5.0 CONCLUSIONS **7**

6.0 LIMITATIONS **8**

7.0 REFERENCES **9**

LIST OF FIGURES

Figures

1 Vicinity Map
2 Borehole/Sample Locations

LIST OF APPENDICES

Appendix

Appendix A Laboratory Data Sheets

EXECUTIVE SUMMARY

At the request of Los Angeles World Airports (LAWA), Earth Tech, Inc. (Earth Tech) performed a Limited Phase II Environmental Site Assessment (ESA) at the East Avion Complex located at 1049 South Vineyard Avenue in Ontario, California. The scope of work performed for the Limited Phase II Environmental Site Assessment included a 24-point soil gas survey.

Based on the results of the Limited Phase II ESA investigation at the site, the following is concluded:

GENERAL SITE CONDITIONS

- Groundwater was not encountered to the maximum depth investigated (5 feet).
- No significant volatile organic compounds (VOCs) were identified in the former aircraft maintenance areas.

RECOMMENDATIONS

No further investigation or action is recommended at the subject property.

1.0 INTRODUCTION

In December 2004, Los Angeles World Airports (LAWA) retained Earth Tech to provide environmental services pertaining to the East Avion Complex at 1049 South Vineyard Avenue in Ontario, California (see Figure 1 for Site Location Map).

1.1 Site Description

The subject property is approximately 10.87 acres and is developed with four buildings. One of the buildings is occupied with an aircraft service equipment company, two of the buildings are currently vacant, and one building is used for airport maintenance storage. The northwest corner of the property is paved and used for automobile parking. The remainder of the property is used for vehicle and equipment storage.

Access to the property is provided from South Vineyard Avenue to the west and from the airport to the north.

The immediate vicinity is dominated by the Ontario International Airport and associated facilities.

1.2 Background

Earth Tech conducted a Phase I Baseline Environmental Site Assessment (ESA) of the subject property in April 2004 at the request of LAWA. The Phase I ESA identified historical use of the subject property for aircraft maintenance and repair operations as a recognized environmental condition. The subject property was developed in the 1940s as a part of the Ontario Airport. The configuration of the buildings on the subject property has changed several times over the years. The exact nature of operations on the subject property are not known, but are assumed to include aircraft repair and maintenance activities.

This limited Phase II investigation was conducted to evaluate the possibility of subsurface impacts resulting from the past maintenance activities conducted on the subject property between the 1940s and the present time.

1.3 Purpose and Scope of Services

Earth Tech conducted the following scope of work to evaluate identified areas of concern.

A 24-point soil gas survey was conducted in and around the current and former onsite buildings where airport maintenance activities were formerly conducted. Soil gas sampling was conducted at a depth of five feet below ground surface (bgs) from each sample location. Samples were analyzed by an on-site mobile laboratory for Volatile Organic Compounds (VOCs).

2.0 SOIL VAPOR SURVEY

Prior to drilling, Earth Tech personnel met with LAWA personnel and performed a site reconnaissance to mark with white paint the proposed sampling locations.

A geophysical contractor, Spectrum Geophysics, used magnetic and electromagnetic methods, as well as ground penetrating radar; to mark nearby utility lines and to assure that sampling activities did not impact subsurface utilities. Underground Service Alert (Dig Alert) was notified two days prior to field work, per state law, for the member companies to mark utilities that may have conflicted with the proposed boring locations. No permits were needed to implement the proposed scope of work.

Fieldwork procedures, analyses and sample collection were performed in general accordance with the Los Angeles Regional Water Quality Control Board (LARWQCB) "Interim Guidance for Active Soil Gas Investigation", February 25, 1997 and the LARWQCB and California Department of Toxic Substance Control (DTSC) "Advisory – Active Soil Gas Investigations", January 28, 2003. The target soil gas sampling depth was five feet bgs.

2.1 Sampling Methods

Soil gas samples were collected using a hardened alloy steel hollow drive rod. The drive rods were advanced into the subsurface using a hydraulic ram on the back of a truck. Once the target depth had been reached, a stainless steel adapter was connected to a piece of ¼-inch clean, virgin polyethylene tubing, lowered down the bore of the drive probe, and mated to the point holder adapter. An O-ring between connections enables the system to deliver a vacuum-tight seal to assure that the sample is collected at the bottom.

The volume of gas purged prior to sample collection was measured. At the first sampling location of the project (SG-4), one (SG-4-5 (1V)), three (SG-4-5 (3V)) and five (SG-4-5 (5V)) times the sampler volume of the system was purged prior to collection of the sample. The purge volume with the highest response (in this case three purge volumes) was then used for the remainder of the soil gas samples. Once the required volume of air was removed from each soil gas point, a soil gas sample was collected with a 10cc syringe and submitted to the onsite laboratory for immediate analysis.

2.2 Analytical Sample Processing

Each soil gas sample was submitted to Centrum Analytical Laboratories, Inc., a state-certified laboratory operating a mobile laboratory on-site. Samples were prepared for the analyses of Volatile Organic Compounds (VOCs).

2.3 Laboratory Analysis

Soil gas samples were analyzed onsite for Volatile Organic Compounds (VOCs) by EPA Method 8260B.

During testing a cloth wetted with isopropanol was placed around the probe at ground level to test for leakage from the surface. No leakage was detected

2.4 Quality Assurance/Quality Control (QA/QC)

Each laboratory report includes a quality assurance and quality control (QA/QC) report. The laboratory and QA/QC report includes the analytical results for the laboratory method blank for each test analyte, matrix spike recovery data, matrix spike duplicate recovery data and upper and lower control limits for

laboratory control samples. Test analytes and surrogate compounds are noted in with respect to the acceptable upper and lower control limits in the laboratory control samples.

2.5 Soil Gas Sample Locations

Nine soil gas sampling points (SG-1 through SG-6, SG-8, and SG-23 through SG-24) were advanced at the site on December 27, 2004. Due to weather conditions, additional sampling was delayed. The remaining fifteen soil gas sampling points (SG-7, and SG-9 through SG-22) were advanced at the site on January 20, 2006.

The locations of the sampling points are discussed in Table 2-1 and illustrated on Figure 2. GPS coordinates for the sample points are included in Table 1 on Figure 2.

TABLE 2-1
Soil Gas Sample Point Locations

Borehole	Location & Rationale	Soil Gas Sample Depth	Date Sampled
SG-1	Northwest corner of building formerly located north of Building 2	5'	December 27, 2004
SG-2	Northeast corner of building formerly located north of Building 2	5'	December 27, 2004
SG-3	Southwest corner of building formerly located north of Building 2	5'	December 27, 2004
SG-4	Southeast corner of building formerly located north of Building 2	5'	December 27, 2004
SG-5	Northwest corner of building formerly located north of Building 3	5'	December 27, 2004
SG-6	Northeast corner of building formerly located north of Building 3	5'	December 27, 2004
SG-7	Southwest corner of building formerly located north of Building 3	5'	January 20, 2005
SG-8	Southeast corner of building formerly located north of Building 3	5'	December 27, 2004
SG-9	South side of building formerly located northwest of Building 3	5'	January 20, 2005
SG-10	North side of building formerly located northeast of Building 3	5'	January 20, 2005
SG-11	Northeast corner of building formerly located northwest of Building 3	5'	January 20, 2005
SG-12	Northwest corner of building formerly located northwest of Building 3	5'	January 20, 2005
SG-13	Southwest corner of building formerly located northwest of Building 3	5'	January 20, 2005
SG-14	West side of building formerly located southwest of Building 3	5'	January 20, 2005
SG-15	East side of building formerly located southwest of Building 3	5'	January 20, 2005
SG-16	North side of building formerly located southeast of Building 2	5'	January 20, 2005
SG-17	South side of building formerly located southeast of Building 2	5'	January 20, 2005
SG-18	West side of building formerly located northwest of Building 5	5'	January 20, 2005
SG-19	East side of building formerly located northwest of Building 5	5'	January 20, 2005
SG-20	North side of buildings formerly located southeast of Building 3	5'	January 20, 2005
SG-21	South side of buildings formerly located southeast of Building 3	5'	January 20, 2005
SG-22	East side of buildings formerly located southeast of Building 3	5'	January 20, 2005
SG-23	East end of former clarifier	5'	December 27, 2004
SG-24	West end of former clarifier	5'	December 27, 2004

4.0 FINDINGS

4.1 Site Stratigraphy

Due to the direct push method used for collecting soil vapor samples, no soil cuttings were generated and soil stratigraphy was not evaluated. Groundwater was not encountered to the maximum depth investigated (5 feet).

4.2 Analytical Soil Vapor Results

No detectable concentrations of VOCs were detected in any of the soil vapor samples collected.

All laboratory data sheets are in Appendix A.

5.0 CONCLUSIONS

Based on the results of the Limited Phase II ESA investigation at the site, the following is concluded:

GENERAL SITE CONDITIONS

- Groundwater was not encountered to the maximum depth investigated (5 feet).
- No significant residual volatile organic compounds were identified in the former aircraft maintenance areas.

RECOMMENDATIONS

No further investigation or action is recommended at the subject property.

6.0 LIMITATIONS

Representatives, Warranties and Covenants

Earth Tech makes no warranty, either expressed or implied, as to its findings, opinions, recommendations, specifications, or professional advice except that these were promulgated after being prepared in accordance with generally accepted standards of are and diligence normally practiced by recognized consulting firms performing services of a similar nature.

The information contained in this report has received appropriate technical review and approval. The conclusions presented represent professional judgements and area based upon the findings from the investigation identified in this report and interpretation of such data based on our experience and background. This acknowledgement is made in lieu of all warranties, either expressed or implied.

Scope of Investigation

The scope of this investigation is limited to the scope of work as specified in Section 1.3.

Limitations on Reuse

All project documents prepared or furnished to Client may be based on information outside Consultant's control. Consultant does not warrant, expressed or implied, the accuracy thereof. All documentation furnished to the Client is intended for the benefit of the Client and is not intended or represented to be suited for reuse by the Client or others. Any reuse without the specific written consent of the Consultant for the specific purpose intended will be at user's soil risk and without liability and legal exposure to Consultant. Client agrees to indemnify and hold Consultant harmless from any and all liabilities, losses, costs, or expenses suffered by Consultant in connection with Client's unauthorized reuse of project documents.

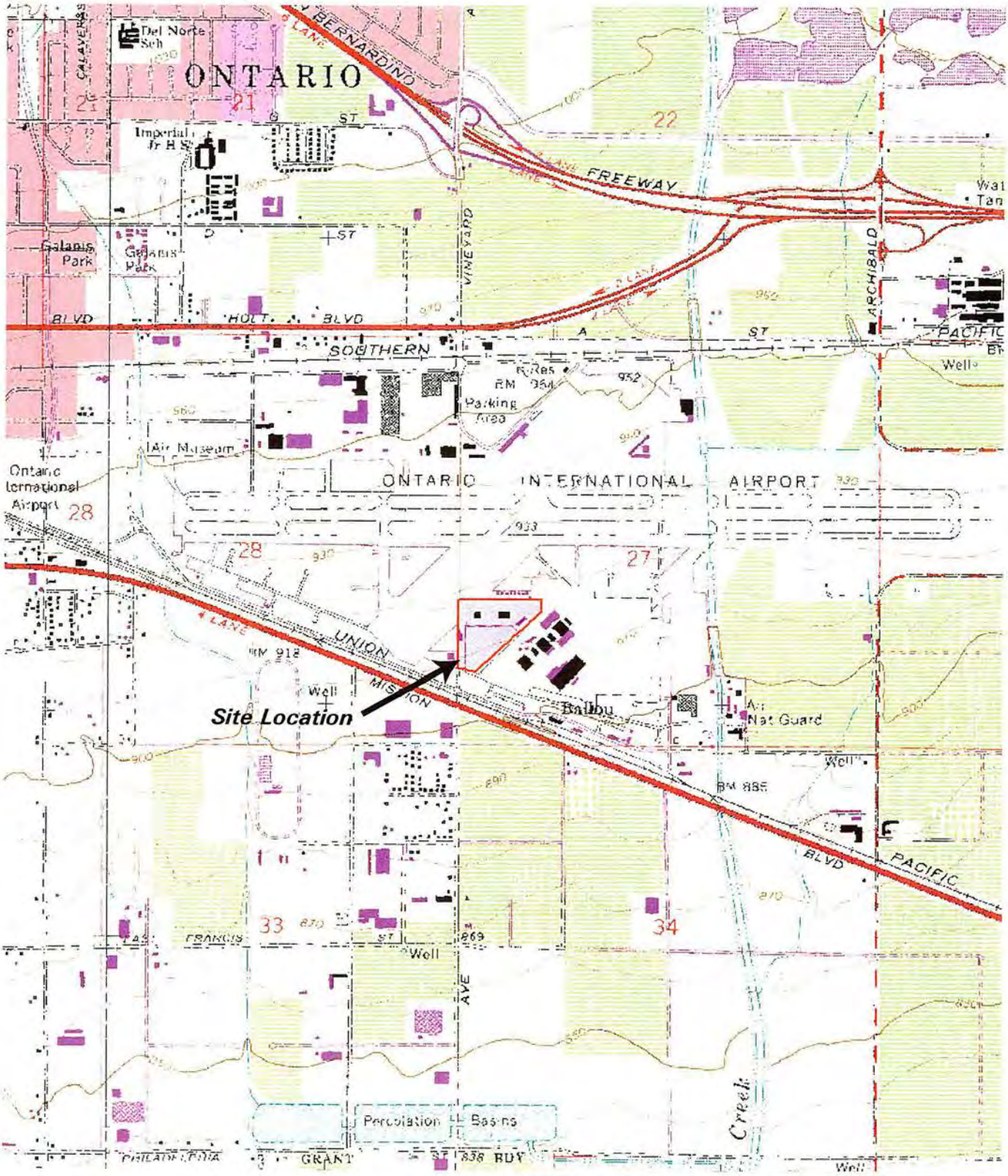
7.0 REFERENCES

United States Environmental Protection Agency, 2000 (August). EPA Region IX Preliminary Remediation Goals.

Los Angeles County Department of Public Works, San Gabriel Groundwater Contours, Fall 1991.

"Interim Guidance for Active Soil Gas Investigation" February 1997.

FIGURES



Source: USGS Topographic Map, Guasti and Ontario, CA Quadrangles.

North
Scale 1:24000

EARTH TECH
A Tyco International Ltd. Company

Project No. 75412
East Avion Complex

Site Map

Figure 1

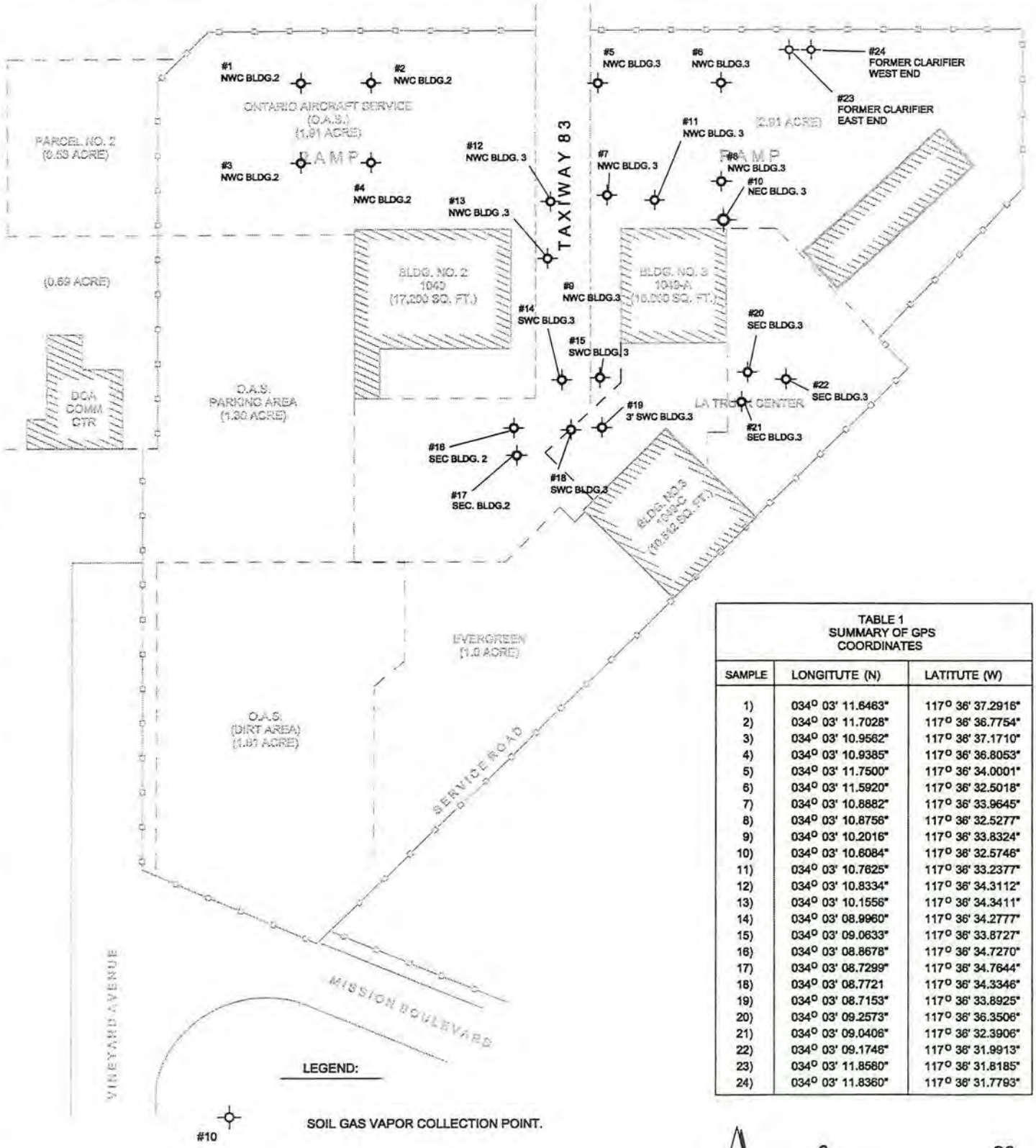


TABLE 1
SUMMARY OF GPS COORDINATES

SAMPLE	LONGITUTE (N)	LATITUTE (W)
1)	034° 03' 11.6463"	117° 36' 37.2916"
2)	034° 03' 11.7028"	117° 36' 36.7754"
3)	034° 03' 10.9562"	117° 36' 37.1710"
4)	034° 03' 10.9385"	117° 36' 36.8053"
5)	034° 03' 11.7500"	117° 36' 34.0001"
6)	034° 03' 11.5920"	117° 36' 32.5018"
7)	034° 03' 10.8882"	117° 36' 33.9645"
8)	034° 03' 10.8756"	117° 36' 32.5277"
9)	034° 03' 10.2016"	117° 36' 33.8324"
10)	034° 03' 10.6084"	117° 36' 32.5746"
11)	034° 03' 10.7625"	117° 36' 33.2377"
12)	034° 03' 10.8334"	117° 36' 34.3112"
13)	034° 03' 10.1556"	117° 36' 34.3411"
14)	034° 03' 08.9960"	117° 36' 34.2777"
15)	034° 03' 09.0633"	117° 36' 33.8727"
16)	034° 03' 08.8678"	117° 36' 34.7270"
17)	034° 03' 08.7299"	117° 36' 34.7644"
18)	034° 03' 08.7721	117° 36' 34.3346"
19)	034° 03' 08.7153"	117° 36' 33.8925"
20)	034° 03' 09.2573"	117° 36' 36.3506"
21)	034° 03' 09.0406"	117° 36' 32.3906"
22)	034° 03' 09.1746"	117° 36' 31.9913"
23)	034° 03' 11.8560"	117° 36' 31.8185"
24)	034° 03' 11.8360"	117° 36' 31.7793"

SITE LOCATION

1049 SOUTH VINEYARD AVENUE
ONTARIO, CALIFORNIA 91761

PREPARED FOR:

LOS ANGELES WORLD AIRPORTS
ONE WORLD WAY
POST OFFICE BOX 92216
LOS ANGELES, CALIFORNIA 90009

PLOT PLAN AND SOIL GAS SAMPLE LOCATIONS WITH GPS COORDINATES

DATE: 2-6
PROJECT NO. 81051
EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY
FIGURE 2

APPENDIX A

LABORATORY DATA SHEETS

INTERPHASE ENVIRONMENTAL, INC.

MOBILE LABORATORIES AND DIRECT PUSH DRILLING

Monday, January 03, 2005

Mr. Dave Simon
Earth Tech, Inc.
300 Oceangate, Suite 700
Long Beach, CA 90802-4443

Re: InterPhase Project No. 04474
Location: 1049 S. Vineyard Avenue
Ontario, CA

Dear Mr. Simon:

Please find enclosed is the analysis result for the project site as referenced above as submitted by Centrum Analytical Mobile Laboratories, Inc.

If you have any questions or need further assistance, please do not hesitate to call our office.

Sincerely,
InterPhase Environmental, Inc.

Paola Calderon
Project Coordinator

6200 PEACHTREE STREET, LOS ANGELES, CA 90040 1-800-457-3300 - FAX 323-278-7707 OFFICE@INTERPHASE-INC.COM

Centrum
Analytical
Laboratories, Inc.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

LABORATORY REPORT FORM (COVER PAGE 1)

Laboratory Name:	Centrum Analytical Laboratories, Inc.
Address:	1401 Research Park Drive, Suite 100, Riverside, CA 92507
Telephone/Fax:	(951) 779-0310/(951) 779-0344
ELAP Certification No./ Expiration Date:	2527 / December 31, 2004
Authorized Signature Name, Title: (print)	Mark Horan, Mobile Laboratories Supervisor
Signature, Date:	12/30/04
Client Name:	Interphase
Project Name/No:	Ontario Airport / 04474
Date(s) Sampled: (from - to)	12/27/04
Date(s) Received: (from - to)	12/27/04
Date(s) Reported: (from - to)	12/27/04
Chain of Custody received:	Yes X No
Comments	

(RWQCB Lab Form: Ver 6/00)

Centrum
Analytical
Laboratories, Inc.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

LABORATORY REPORT FORM (COVER PAGE 2)

Organic Analyses	# of Samples	# of Samples Subcontracted
VOC's by GCMS	11	0

Sample Condition: Intact

Inorganic Analyses	# of Samples	# of Samples Subcontracted

Sample Condition:

Microbiological Analyses	# of Samples	# of Samples Subcontracted

Sample Condition:

Other Types of Analyses	# of Samples	# of Samples Subcontracted

Sample Condition:

(RWQCB Lab Form: Ver 6/00)

Centrum Analytical Laboratories, Inc.

Project No: Ontario Airport / 04474 (RWQCB labFrom 10A; Ver6/00)

ANALYTICAL RESULT FOR ORGANICS

Method: GCMS **REPORTING UNIT: µg/L of Air**

DATE ANALYZED		12/27/04	12/27/04	12/27/04	12/27/04	12/27/04
DATE EXTRACTED		NA	NA	NA	NA	NA
LAB SAMPLE I.D.		Method Blank	M3-949-01	M3-949-02	M3-949-03	M3-949-04
CLIENT SAMPLE I.D.		NA	SG-4-5 (1V)	SG-4-5 (3V)	SG-4-5 (7V)	SG-3-5
EXTRACTION SOLVENT		NA	NA	NA	NA	NA
EXTRACTION METHOD		mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B
DILUTION FACTOR		1	1	1	1	1
COMPOUND	CRDL					
Acetone	50	ND	ND	ND	ND	ND
tert-Amyl Methyl Ether (TAME)	5.0	ND	ND	ND	ND	ND
Benzene	1.0	ND	ND	ND	ND	ND
Bromobenzene	1.0	ND	ND	ND	ND	ND
Bromochloromethane	1.0	ND	ND	ND	ND	ND
Bromodichloromethane	1.0	ND	ND	ND	ND	ND
Bromoform	1.0	ND	ND	ND	ND	ND
Bromomethane	2.0	ND	ND	ND	ND	ND
tert-Butanol (TBA)	10	ND	ND	ND	ND	ND
2-Butanone (MEK)	10	ND	ND	ND	ND	ND
n-Butylbenzene	1.0	ND	ND	ND	ND	ND
sec-Butylbenzene	1.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.0	ND	ND	ND	ND	ND
Carbon disulfide	10	ND	ND	ND	ND	ND
Carbon tetrachloride	1.0	ND	ND	ND	ND	ND
Chlorobenzene	1.0	ND	ND	ND	ND	ND
Chloroethane	1.0	ND	ND	ND	ND	ND
Chloroform	1.0	ND	ND	ND	ND	ND
Chloromethane	2.0	ND	ND	ND	ND	ND
2-Chlorotoluene	1.0	ND	ND	ND	ND	ND
4-Chlorotoluene	1.0	ND	ND	ND	ND	ND
Dibromochloromethane	1.0	ND	ND	ND	ND	ND
1,2-Dibromoethane	1.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	10	ND	ND	ND	ND	ND
Dibromomethane	1.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	1.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	1.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	1.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND
Diisopropyl Ether (DIPE)	5.0	ND	ND	ND	ND	ND

Centrum Analytical Laboratories, Inc.

ANALYTICAL RESULT FOR ORGANICS (Continued)

COMPOUND	CRDL	Method Blank	SG-4-5 (1V)	SG-4-5 (3V)	SG-4-5 (7V)	SG-3-5
Ethylbenzene	1.0	ND	ND	ND	ND	ND
Ethyl tert-Butyl Ether (EtBE)	5.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	1.0	ND	ND	ND	ND	ND
2-Hexanone	10	ND	ND	ND	ND	ND
Isopropylbenzene	1.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	1.0	ND	ND	ND	ND	ND
Methylene chloride	50	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	10	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MtBE)	1.0	ND	ND	ND	ND	ND
Napthalene	1.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.0	ND	ND	ND	ND	ND
Styrene	1.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2.0	ND	ND	ND	ND	ND
Tetrachloroethene	1.0	ND	ND	ND	ND	ND
Toluene	2.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.0	ND	ND	ND	ND	ND
Trichloroethene	1.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	1.0	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	5.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.0	ND	ND	ND	ND	ND
Vinyl chloride	2.0	ND	ND	ND	ND	ND
Xylenes, m-,p-	2.0	ND	ND	ND	ND	ND
Xylene, o-	1.0	ND	ND	ND	ND	ND
Tentatively Identified Compounds						
Isopropanol (Tracer)		ND	ND	ND	ND	ND

SURROGATE	SPK CONC	ACP%	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	70-130	99	93	98	98	95
Toluene-d8	50	70-130	98	95	95	96	96
Bromofluorobenzene	50	70-130	99	102	103	101	100

*J Flagged results between the MDL and CRDL are estimated values.

Centrum
Analytical
Laboratories, Inc.

Project No: Ontario Airport / 04474 (RWQCB labFrom 10A; Ver6/00)

ANALYTICAL RESULT FOR ORGANICS

Method: GCMS **REPORTING UNIT: µg/L of Air**

DATE ANALYZED		12/27/04	12/27/04	12/27/04	12/27/04	12/27/04
DATE EXTRACTED		NA	NA	NA	NA	NA
LAB SAMPLE I.D.		M3-949-05	M3-949-06	M3-949-07	M3-949-08	M3-949-09
CLIENT SAMPLE I.D.		SG-1-5	SG-2-5	SG-5-5	SG-6-5	SG-23-5
EXTRACTION SOLVENT		NA	NA	NA	NA	NA
EXTRACTION METHOD		mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B
DILUTION FACTOR		1	1	1	1	1
COMPOUND	**CRDL**					
Acetone	50	ND	ND	ND	ND	ND
tert-Amyl Methyl Ether (TAME)	5.0	ND	ND	ND	ND	ND
Benzene	1.0	ND	ND	ND	ND	ND
Bromobenzene	1.0	ND	ND	ND	ND	ND
Bromochloromethane	1.0	ND	ND	ND	ND	ND
Bromodichloromethane	1.0	ND	ND	ND	ND	ND
Bromoform	1.0	ND	ND	ND	ND	ND
Bromomethane	2.0	ND	ND	ND	ND	ND
tert-Butanol (TBA)	10	ND	ND	ND	ND	ND
2-Butanone (MEK)	10	ND	ND	ND	ND	ND
n-Butylbenzene	1.0	ND	ND	ND	ND	ND
sec-Butylbenzene	1.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.0	ND	ND	ND	ND	ND
Carbon disulfide	10	ND	ND	ND	ND	ND
Carbon tetrachloride	1.0	ND	ND	ND	ND	ND
Chlorobenzene	1.0	ND	ND	ND	ND	ND
Chloroethane	1.0	ND	ND	ND	ND	ND
Chloroform	1.0	ND	ND	ND	ND	ND
Chloromethane	2.0	ND	ND	ND	ND	ND
2-Chlorotoluene	1.0	ND	ND	ND	ND	ND
4-Chlorotoluene	1.0	ND	ND	ND	ND	ND
Dibromochloromethane	1.0	ND	ND	ND	ND	ND
1,2-Dibromoethane	1.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	10	ND	ND	ND	ND	ND
Dibromomethane	1.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	1.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	1.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	1.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND
Diisopropyl Ether (DIPE)	5.0	ND	ND	ND	ND	ND

Centrum
Analytical
Laboratories, Inc.

ANALYTICAL RESULT FOR ORGANICS (Continued)

COMPOUND		CRDL	SG-1-5	SG-2-5	SG-5-5	SG-6-5	SG-23-5
Ethylbenzene		1.0	ND	ND	ND	ND	ND
Ethyl tert-Butyl Ether (EtBE)		5.0	ND	ND	ND	ND	ND
Hexachlorobutadiene		1.0	ND	ND	ND	ND	ND
2-Hexanone		10	ND	ND	ND	ND	ND
Isopropylbenzene		1.0	ND	ND	ND	ND	ND
p-Isopropyltoluene		1.0	ND	ND	ND	ND	ND
Methylene chloride		50	ND	ND	ND	ND	ND
4-Methyl-2-pentanone		10	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MtBE)		1.0	ND	ND	ND	ND	ND
Napthalene		1.0	ND	ND	ND	ND	ND
n-Propylbenzene		1.0	ND	ND	ND	ND	ND
Styrene		1.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		2.0	ND	ND	ND	ND	ND
Tetrachloroethene		1.0	ND	ND	ND	ND	ND
Toluene		2.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene		1.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		1.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		1.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		1.0	ND	ND	ND	ND	ND
Trichloroethene		1.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane		2.0	ND	ND	ND	ND	ND
Trichlorofluoromethane		1.0	ND	ND	ND	ND	ND
Trichlorotrifluoroethane		5.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene		1.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene		1.0	ND	ND	ND	ND	ND
Vinyl chloride		2.0	ND	ND	ND	ND	ND
Xylenes, m-,p-		2.0	ND	ND	ND	ND	ND
Xylene, o-		1.0	ND	ND	ND	ND	ND
Tentatively Identified Compounds							
Isopropanol (Tracer)			ND	ND	ND	ND	ND
SURROGATE	**SPK CONC**	**ACP%**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoromethane	50	70-130	95	98	96	96	96
Toluene-d8	50	70-130	94	94	95	94	94
Bromofluorobenzene	50	70-130	102	101	100	101	103

*J Flagged results between the MDL and CRDL are estimated values.

Centrum Analytical Laboratories, Inc.

Project No: Ontario Airport / 04474 (RWQCB labFrom 10A; Ver6/00)

ANALYTICAL RESULT FOR ORGANICS

Method: GCMS **REPORTING UNIT: µg/L of Air**

DATE ANALYZED		12/27/04	12/27/04			
DATE EXTRACTED		NA	NA			
LAB SAMPLE I.D.		M3-949-10	M3-949-11			
CLIENT SAMPLE I.D.		SG-24-5	SG-8-5			
EXTRACTION SOLVENT		NA	NA			
EXTRACTION METHOD		mod. EPA 5030B	mod. EPA 5030B			
DILUTION FACTOR		1	1			
COMPOUND	**CRDL**					
Acetone	50	ND	ND			
tert-Amyl Methyl Ether (TAME)	5.0	ND	ND			
Benzene	1.0	ND	ND			
Bromobenzene	1.0	ND	ND			
Bromochloromethane	1.0	ND	ND			
Bromodichloromethane	1.0	ND	ND			
Bromoform	1.0	ND	ND			
Bromomethane	2.0	ND	ND			
tert-Butanol (TBA)	10	ND	ND			
2-Butanone (MEK)	10	ND	ND			
n-Butylbenzene	1.0	ND	ND			
sec-Butylbenzene	1.0	ND	ND			
tert-Butylbenzene	1.0	ND	ND			
Carbon disulfide	10	ND	ND			
Carbon tetrachloride	1.0	ND	ND			
Chlorobenzene	1.0	ND	ND			
Chloroethane	1.0	ND	ND			
Chloroform	1.0	ND	ND			
Chloromethane	2.0	ND	ND			
2-Chlorotoluene	1.0	ND	ND			
4-Chlorotoluene	1.0	ND	ND			
Dibromochloromethane	1.0	ND	ND			
1,2-Dibromoethane	1.0	ND	ND			
1,2-Dibromo-3-chloropropane	10	ND	ND			
Dibromomethane	1.0	ND	ND			
1,2-Dichlorobenzene	1.0	ND	ND			
1,3-Dichlorobenzene	1.0	ND	ND			
1,4-Dichlorobenzene	1.0	ND	ND			
Dichlorodifluoromethane	1.0	ND	ND			
1,1-Dichloroethane	1.0	ND	ND			
1,2-Dichloroethane	1.0	ND	ND			
1,1-Dichloroethene	1.0	ND	ND			
cis-1,2-Dichloroethene	1.0	ND	ND			
trans-1,2-Dichloroethene	1.0	ND	ND			
1,2-Dichloropropane	1.0	ND	ND			
1,3-Dichloropropane	1.0	ND	ND			
2,2-Dichloropropane	1.0	ND	ND			
1,1-Dichloropropene	1.0	ND	ND			
cis-1,3-Dichloropropene	1.0	ND	ND			
trans-1,3-Dichloropropene	1.0	ND	ND			
Diisopropyl Ether (DIPE)	5.0	ND	ND			

Centrum
Analytical
Laboratories, Inc.

ANALYTICAL RESULT FOR ORGANICS (Continued)

COMPOUND	CRDL	SG-24-5	SG-8-5			
Ethylbenzene	1.0	ND	ND			
Ethyl tert-Butyl Ether (EtBE)	5.0	ND	ND			
Hexachlorobutadiene	1.0	ND	ND			
2-Hexanone	10	ND	ND			
Isopropylbenzene	1.0	ND	ND			
p-Isopropyltoluene	1.0	ND	ND			
Methylene chloride	50	ND	ND			
4-Methyl-2-pentanone	10	ND	ND			
Methyl-tert-butyl ether (MtBE)	1.0	ND	ND			
Napthalene	1.0	ND	ND			
n-Propylbenzene	1.0	ND	ND			
Styrene	1.0	ND	ND			
1,1,1,2-Tetrachloroethane	1.0	ND	ND			
1,1,2,2-Tetrachloroethane	2.0	ND	ND			
Tetrachloroethene	1.0	ND	ND			
Toluene	2.0	ND	ND			
1,2,3-Trichlorobenzene	1.0	ND	ND			
1,2,4-Trichlorobenzene	1.0	ND	ND			
1,1,1-Trichloroethane	1.0	ND	ND			
1,1,2-Trichloroethane	1.0	ND	ND			
Trichloroethene	1.0	ND	ND			
1,2,3-Trichloropropane	2.0	ND	ND			
Trichlorofluoromethane	1.0	ND	ND			
Trichlorotrifluoroethane	5.0	ND	ND			
1,2,4-Trimethylbenzene	1.0	ND	ND			
1,3,5-Trimethylbenzene	1.0	ND	ND			
Vinyl chloride	2.0	ND	ND			
Xylenes, m-,p-	2.0	ND	ND			
Xylene, o-	1.0	ND	ND			
Tentatively Identified Compounds						
Isopropanol (Tracer)		ND	ND			

SURROGATE	SPK CONC	ACP%	%RC	%RC			
Dibromofluoromethane	50	70-130	96	97			
Toluene-d8	50	70-130	93	97			
Bromofluorobenzene	50	70-130	101	101			

*J Flagged results between the MDL and CRDL are estimated values.

Centrum Analytical Laboratories, Inc.

Project No: Ontario Airport / 04474 (RWQCB labForm 10A; Ver6/00)

QA/QC REPORT (Continued)

II. Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

DATE PERFORMED: 12/27/04 ANALYTICAL METHOD: EPA 8260

BATCH #: M38260V987

LAB SAMPLE I.D.: Laboratory Control Sample REPORTING UNITS: µg/L

ANALYTE	SAMPLE RESULT	SPK CONC	MS	% MS	SPIKE CONC (DUP)	MSD	% MSD	RPD	MS/MSD LIMIT	RPD Limit
1,1-Dichloroethylene	0.0	50	49.31	99%	50	48.31	97%	2.0%	70-130	25
Benzene	0.0	50	46.99	94%	50	48.09	96%	2.3%	70-130	25
Trichloroethene	0.0	50	52.08	104%	50	51.83	104%	0.5%	70-130	25
Toluene	0.0	50	50.99	102%	50	46.09	92%	10.1%	70-130	25
Chlorobenzene	0.0	50	49.61	99%	50	48.9	98%	1.4%	70-130	25

III. Laboratory Quality Control Check Sample (LCS)

DATE PERFORMED: 12/27/04 ANALYTICAL METHOD: EPA 8260

STANDARD SUPPLY SOURCE: Ultra Scientific DATE OF SOURCE: 11/23/04

INSTRUMENT I.D.: M3GCMS LOT NUMBER: VB-09-02

LAB LCS I.D.: Laboratory Control Sample REPORTING UNITS: µg/L

ANALYTE	SPIKE CONC	RESULT	% RECOVERY	ACP % REC LIMIT
1,1-Dichloroethylene	50	49.31	99%	70-130
Benzene	50	46.99	94%	70-130
Trichloroethene	50	52.08	104%	70-130
Toluene	50	50.99	102%	70-130
Chlorobenzene	50	49.61	99%	70-130

Centrum Analytical Laboratories, Inc.

1401 Research Park Drive, Suite 100
Riverside, CA 92507
Voice: 909.779.0310 ● 800.798.9336
Fax: 909.779.0344

3299 Hill Street, Suite 305
Signal Hill, CA 90755
Voice: 562.498.7005
Fax: 562.498.8617

www.centrum-labs.com lab@centrum-labs.com

Chain of Custody Record

Centrum Job # M3-04479

Project No: 04474

Project Name: ONTARIO AIRPORT

Project Manager: JACK WILLIAMS

Phone: Fax:

Client Name: (Report and Billing) INTERPHASE

Address: (Report and Billing) 6200 PEACH TREE ST. LOS ANGELES, CA.

Please Circle Analyses Requested

Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	LUFT Diesel, or EPA 8015B DRO	LUFT Gas, or EPA 8015B GRO	Fuel ID (TVH, TEH), Carbon Chain (specify ranges)	8021B: BTEX/MtBE Only		VOCs: 8260B, or 624	VOCs: BTEX/Oxygenates Only	SVOCs: 8270C, or 625	8081A/8082: Pesticides, or PCBs, or Pest/PCB		Metals: Title 22 (CAM), or RCRA, or PP	Metals: TCLP, STLC	pH, TDS, TSS	418.1 (TRPH), or 413.2, or 1664		Remarks/Special Instructions
01	~~SG-4-5~~ SG-4-5 R2	12-27-04	0836	VAPOR	ONTARIO ARPT.	1 VOC 6 LIB						X										1 VOL
02	SG-4-5		0852									X										3 VOL
03	SG-4-5		0932									X										7 VOL
04	SG-3-5		1015									X										3 VOL
05	SG-1-5		1045									X										
06	SG-2-5		1117									X										
07	SG-5-5		1200									X										
08	SG-6-5		1325									X										
09	SG-23-5		1405									X										
10	SG-24-5		1440									X										3 VOL

1) Relinquished by: (Sampler's Signature) Date: 12/27/04 Time: 1600

2) Received by: Date: Time:

3) Relinquished by: Date: Time:

4) Received by: Date: Time:

5) Relinquished by: Date: Time:

6) Received for Laboratory by: Date: 12-27-04 Time: 1600

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

Laboratory Notes:

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☐ 48 Hr. RUSH*
- ☐ Normal TAT
- ☐ Other _____

*Requires PRIOR approval, additional charges apply

Requested due date: _____

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☐ From Field

Custody seals? ☐ Yes ☐ No

All sample containers intact? ☐ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☐ Hand carried

Additional Report Formats:

☐ LARWQCB ☐ EDF (Geotracker)

☐ EDD (GISKEY) ☐ EDD (Other)*

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☐ Lab disposal

Sample Locator No.

M3-0469

Centrum Analytical Laboratories, Inc.

Chain of Custody Record

Centrum Job #

1401 Research Park Drive, Suite 100
Riverside, CA 92507
Voice: 909.779.0310 ● 800.798.9336
Fax: 909.779.0344

3299 Hill Street, Suite 305
Signal Hill, CA 90755
Voice: 562.498.7005
Fax: 562.498.8617

www.centrum-labs.com lab@centrum-labs.com

Project No: 04474

Project Name: Ontario Airport

Project Manager: JACK WILLIAMS

Phone: Fax:

Client Name: (Report and Billing) INTERPHASE

Address: (Report and Billing) 6600 PEACH TREE ST. LOS ANGELES, CA

Please Circle Analyses Requested

Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	LUFT Diesel, or EPA 8015B DRO	LUFT Gas, or EPA 8015B GRO	Fuel ID (TVH, TEH), Carbon Chain (specify ranges)	8021B: BTEX/MtBE Only	VOCs: 8260B, or 624	VOCs: BTEX/Oxygenates Only	SVOCs: 8270C, or 625	8081A/8082: Pesticides, or PCBs, or Pest/PCB	Metals: Title 22 (CAM), or RCRA, or PP	Metals: TCLP, STLC	pH, TDS, TSS	418.1 (TRPH), or 413.2, or 1664	Remarks/Special Instructions
11	SG-8-5	12/27/04	1525	VAPOR	ONTARIO ART.	125cc GLASS BULB					X								

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☐ 48 Hr. RUSH*
- ☐ Normal TAT
- ☐ Other _____

*Requires PRIOR approval, additional charges apply

Requested due date: _____

	Date:	Time:
1) Relinquished by: (Sampler's Signature) Pete Vasquez	12/27/04	1600
2) Received by:		
3) Relinquished by:		
4) Received by:		
5) Relinquished by:		
6) Received for Laboratory by:	12/27/04	1600

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

Laboratory Notes:

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☐ From Field

Custody seals? ☐ Yes ☐ No

All sample containers intact? ☐ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☐ Hand carried

Additional Report Formats:

☐ LARWQCB ☐ EDF (Geotracker)

☐ EDD (GISKEY) ☐ EDD (Other)*

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☐ Lab disposal

Sample Locator No.

White Copy - Original (Accompanies Samples) Yellow Copy - Centrum Files Pink Copy - Centrum duplicate Gold Copy - Client Copy

INTERPHASE ENVIRONMENTAL, INC.

MOBILE LABORATORIES AND DIRECT PUSH DRILLING

Monday, January 31, 2005

Mr. Dave Simon
Earth Tech, Inc.
300 Oceangate, Suite 700
Long Beach, CA 90802-4443

Re: InterPhase Project No. 05013
Location: Ontario Airport
1049 S. Vineyard Avenue
Ontario, CA

Dear Mr. Simon:

Please find enclosed is the analysis result for the project site as referenced above as submitted by Centrum Analytical Mobile Laboratories, Inc.

If you have any questions or need further assistance, please do not hesitate to call our office.

Sincerely,
InterPhase Environmental, Inc.

Paola Calderon
Project Coordinator

6200 PEACHTREE STREET, LOS ANGELES, CA 90040 1-800-457-3300 - FAX 323-278-7707 OFFICE@INTERPHASE-INC.COM

Centrum Analytical Laboratories, Inc.
CERTIFIED HAZARDOUS WASTE TESTING MOBILE & IN HOUSE LABORATORIES

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

LABORATORY REPORT FORM (COVER PAGE 1)

Laboratory Name:	Centrum Analytical Laboratories, Inc.
Address:	1401 Research Park Drive, Suite 100, Riverside, CA 92507
Telephone/Fax:	(951) 779-0310/(951) 779-0344
ELAP Certification No./ Expiration Date:	2562 / August 31, 2005
Authorized Signature Name, Title: (print)	Mark Horan, Mobile Laboratories Supervisor
Signature, Date:	1/26/15
Client Name:	Interphase
Project Name/No:	Ontario Airport / 04474
Date(s) Sampled: (from - to)	01/20/05
Date(s) Received: (from - to)	01/20/05
Date(s) Reported: (from - to)	01/20/05
Chain of Custody received:	Yes X No
Comments	

(RWQCB Lab Form: Ver 6/00)

Centrum
Analytical
Laboratories, Inc.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

LABORATORY REPORT FORM (COVER PAGE 2)

Organic Analyses	# of Samples	# of Samples Subcontracted
VOC's by GCMS	15	0

Sample Condition: Intact

Inorganic Analyses	# of Samples	# of Samples Subcontracted

Sample Condition:

Microbiological Analyses	# of Samples	# of Samples Subcontracted

Sample Condition:

Other Types of Analyses	# of Samples	# of Samples Subcontracted

Sample Condition:

(RWQCB Lab Form: Ver 6/00)

Centrum Analytical Laboratories, Inc.

Project No: Ontario Airport / 04474 (RWQCB labFrom 10A; Ver6/00)

ANALYTICAL RESULT FOR ORGANICS

Method: GCMS **REPORTING UNIT: µg/L of Air**

DATE ANALYZED		01/20/05	01/20/05	01/20/05	01/20/05	01/20/05
DATE EXTRACTED		NA	NA	NA	NA	NA
LAB SAMPLE I.D.		Method Blank	M5-101-01	M5-101-02	M5-101-03	M5-101-04
CLIENT SAMPLE I.D.		NA	SG-15-5'	SG-19-5'	SG-14-5'	SG-18-5'
EXTRACTION SOLVENT		NA	NA	NA	NA	NA
EXTRACTION METHOD		mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B
DILUTION FACTOR		1	1	1	1	1
COMPOUND	**CRDL**					
Acetone	50	ND	ND	ND	ND	ND
tert-Amyl Methyl Ether (TAME)	5.0	ND	ND	ND	ND	ND
Benzene	1.0	ND	ND	ND	ND	ND
Bromobenzene	1.0	ND	ND	ND	ND	ND
Bromochloromethane	1.0	ND	ND	ND	ND	ND
Bromodichloromethane	1.0	ND	ND	ND	ND	ND
Bromoform	1.0	ND	ND	ND	ND	ND
Bromomethane	2.0	ND	ND	ND	ND	ND
tert-Butanol (TBA)	10	ND	ND	ND	ND	ND
2-Butanone (MEK)	10	ND	ND	ND	ND	ND
n-Butylbenzene	1.0	ND	ND	ND	ND	ND
sec-Butylbenzene	1.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.0	ND	ND	ND	ND	ND
Carbon disulfide	10	ND	ND	ND	ND	ND
Carbon tetrachloride	1.0	ND	ND	ND	ND	ND
Chlorobenzene	1.0	ND	ND	ND	ND	ND
Chloroethane	1.0	ND	ND	ND	ND	ND
Chloroform	1.0	ND	ND	ND	ND	ND
Chloromethane	2.0	ND	ND	ND	ND	ND
2-Chlorotoluene	1.0	ND	ND	ND	ND	ND
4-Chlorotoluene	1.0	ND	ND	ND	ND	ND
Dibromochloromethane	1.0	ND	ND	ND	ND	ND
1,2-Dibromoethane	1.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	10	ND	ND	ND	ND	ND
Dibromomethane	1.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	1.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	1.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	1.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND
Diisopropyl Ether (DIPE)	5.0	ND	ND	ND	ND	ND

Centrum
Analytical
Laboratories, Inc.

ANALYTICAL RESULT FOR ORGANICS (Continued)

COMPOUND		CRDL	Method Blank	SG-15-5'	SG-19-5'	SG-14-5'	SG-18-5'
Ethylbenzene		1.0	ND	ND	ND	ND	ND
Ethyl tert-Butyl Ether (EtBE)		5.0	ND	ND	ND	ND	ND
Hexachlorobutadiene		1.0	ND	ND	ND	ND	ND
2-Hexanone		10	ND	ND	ND	ND	ND
Isopropylbenzene		1.0	ND	ND	ND	ND	ND
p-Isopropyltoluene		1.0	ND	ND	ND	ND	ND
Methylene chloride		50	ND	ND	ND	ND	ND
4-Methyl-2-pentanone		10	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MtBE)		1.0	ND	ND	ND	ND	ND
Napthalene		1.0	ND	ND	ND	ND	ND
n-Propylbenzene		1.0	ND	ND	ND	ND	ND
Styrene		1.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		2.0	ND	ND	ND	ND	ND
Tetrachloroethene		1.0	ND	ND	ND	ND	ND
Toluene		1.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene		1.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		1.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		1.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		1.0	ND	ND	ND	ND	ND
Trichloroethene		1.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane		2.0	ND	ND	ND	ND	ND
Trichlorofluoromethane		1.0	ND	ND	ND	ND	ND
Trichlorotrifluoroethane		5.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene		1.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene		1.0	ND	ND	ND	ND	ND
Vinyl chloride		2.0	ND	ND	ND	ND	ND
Xylenes, m-,p-		2.0	ND	ND	ND	ND	ND
Xylene, o-		1.0	ND	ND	ND	ND	ND
Tentatively Identified Compounds							
Isopropyl Alcohol (Tracer)			ND	ND	ND	ND	ND
SURROGATE	**SPK CONC**	**ACP%**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoromethane	50	70-130	101	101	102	102	101
Toluene-d8	50	70-130	102	101	100	101	100
Bromofluorobenzene	50	70-130	101	102	102	102	102

Centrum
Analytical
Laboratories, Inc.

Project No: Ontario Airport / 04474 (RWQCB labFrom 10A; Ver6/00)

ANALYTICAL RESULT FOR ORGANICS

Method: GCMS **REPORTING UNIT: µg/L of Air**

DATE ANALYZED		01/20/05	01/20/05	01/20/05	01/20/05	01/20/05
DATE EXTRACTED		NA	NA	NA	NA	NA
LAB SAMPLE I.D.		M5-101-05	M5-101-06	M5-101-07	M5-101-08	M5-101-09
CLIENT SAMPLE I.D.		SG-17-5'	SG-16-5'	SG-20-5'	SG-21-5'	SG-22-5'
EXTRACTION SOLVENT		NA	NA	NA	NA	NA
EXTRACTION METHOD		mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B
DILUTION FACTOR		1	1	1	1	1
COMPOUND	**CRDL**					
Acetone	50	ND	ND	ND	ND	ND
tert-Amyl Methyl Ether (TAME)	5.0	ND	ND	ND	ND	ND
Benzene	1.0	ND	ND	ND	ND	ND
Bromobenzene	1.0	ND	ND	ND	ND	ND
Bromochloromethane	1.0	ND	ND	ND	ND	ND
Bromodichloromethane	1.0	ND	ND	ND	ND	ND
Bromoform	1.0	ND	ND	ND	ND	ND
Bromomethane	2.0	ND	ND	ND	ND	ND
tert-Butanol (TBA)	10	ND	ND	ND	ND	ND
2-Butanone (MEK)	10	ND	ND	ND	ND	ND
n-Butylbenzene	1.0	ND	ND	ND	ND	ND
sec-Butylbenzene	1.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.0	ND	ND	ND	ND	ND
Carbon disulfide	10	ND	ND	ND	ND	ND
Carbon tetrachloride	1.0	ND	ND	ND	ND	ND
Chlorobenzene	1.0	ND	ND	ND	ND	ND
Chloroethane	1.0	ND	ND	ND	ND	ND
Chloroform	1.0	ND	ND	ND	ND	ND
Chloromethane	2.0	ND	ND	ND	ND	ND
2-Chlorotoluene	1.0	ND	ND	ND	ND	ND
4-Chlorotoluene	1.0	ND	ND	ND	ND	ND
Dibromochloromethane	1.0	ND	ND	ND	ND	ND
1,2-Dibromoethane	1.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	10	ND	ND	ND	ND	ND
Dibromomethane	1.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	1.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	1.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	1.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND
Diisopropyl Ether (DIPE)	5.0	ND	ND	ND	ND	ND

Centrum
Analytical
Laboratories, Inc.

ANALYTICAL RESULT FOR ORGANICS (Continued)

COMPOUND		CRDL	SG-17-5'	SG-16-5'	SG-20-5'	SG-21-5'	SG-22-5'
Ethylbenzene		1.0	ND	ND	ND	ND	ND
Ethyl tert-Butyl Ether (EtBE)		5.0	ND	ND	ND	ND	ND
Hexachlorobutadiene		1.0	ND	ND	ND	ND	ND
2-Hexanone		10	ND	ND	ND	ND	ND
Isopropylbenzene		1.0	ND	ND	ND	ND	ND
p-Isopropyltoluene		1.0	ND	ND	ND	ND	ND
Methylene chloride		50	ND	ND	ND	ND	ND
4-Methyl-2-pentanone		10	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MtBE)		1.0	ND	ND	ND	ND	ND
Napthalene		1.0	ND	ND	ND	ND	ND
n-Propylbenzene		1.0	ND	ND	ND	ND	ND
Styrene		1.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		2.0	ND	ND	ND	ND	ND
Tetrachloroethene		1.0	ND	ND	ND	ND	ND
Toluene		1.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene		1.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		1.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		1.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		1.0	ND	ND	ND	ND	ND
Trichloroethene		1.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane		2.0	ND	ND	ND	ND	ND
Trichlorofluoromethane		1.0	ND	ND	ND	ND	ND
Trichlorotrifluoroethane		5.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene		1.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene		1.0	ND	ND	ND	ND	ND
Vinyl chloride		2.0	ND	ND	ND	ND	ND
Xylenes, m-,p-		2.0	ND	ND	ND	ND	ND
Xylene, o-		1.0	ND	ND	ND	ND	ND
Tentatively Identified Compounds							
Isopropyl Alcohol (Tracer)			ND	ND	ND	ND	ND
SURROGATE	**SPK CONC**	**ACP%**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoromethane	50	70-130	100	101	101	102	99
Toluene-d8	50	70-130	100	100	101	100	101
Bromofluorobenzene	50	70-130	102	102	101	101	100

Centrum
Analytical
Laboratories, Inc.

Project No: Ontario Airport / 04474 (RWQCB labFrom 10A; Ver6/00)

ANALYTICAL RESULT FOR ORGANICS

Method: GCMS **REPORTING UNIT: µg/L of Air**

DATE ANALYZED		01/20/05	01/20/05	01/20/05	01/20/05	01/20/05
DATE EXTRACTED		NA	NA	NA	NA	NA
LAB SAMPLE I.D.		M5-101-10	M5-101-11	M5-101-12	M5-101-13	M5-101-14
CLIENT SAMPLE I.D.		SG-12-5'	SG-07-5'	SG-11-5'	SG-10-5'	SG-9-5'
EXTRACTION SOLVENT		NA	NA	NA	NA	NA
EXTRACTION METHOD		mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B	mod. EPA 5030B
DILUTION FACTOR		1	1	1	1	1
COMPOUND	**CRDL**					
Acetone	50	ND	ND	ND	ND	ND
tert-Amyl Methyl Ether (TAME)	5.0	ND	ND	ND	ND	ND
Benzene	1.0	ND	ND	ND	ND	ND
Bromobenzene	1.0	ND	ND	ND	ND	ND
Bromochloromethane	1.0	ND	ND	ND	ND	ND
Bromodichloromethane	1.0	ND	ND	ND	ND	ND
Bromoform	1.0	ND	ND	ND	ND	ND
Bromomethane	2.0	ND	ND	ND	ND	ND
tert-Butanol (TBA)	10	ND	ND	ND	ND	ND
2-Butanone (MEK)	10	ND	ND	ND	ND	ND
n-Butylbenzene	1.0	ND	ND	ND	ND	ND
sec-Butylbenzene	1.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.0	ND	ND	ND	ND	ND
Carbon disulfide	10	ND	ND	ND	ND	ND
Carbon tetrachloride	1.0	ND	ND	ND	ND	ND
Chlorobenzene	1.0	ND	ND	ND	ND	ND
Chloroethane	1.0	ND	ND	ND	ND	ND
Chloroform	1.0	ND	ND	ND	ND	ND
Chloromethane	2.0	ND	ND	ND	ND	ND
2-Chlorotoluene	1.0	ND	ND	ND	ND	ND
4-Chlorotoluene	1.0	ND	ND	ND	ND	ND
Dibromochloromethane	1.0	ND	ND	ND	ND	ND
1,2-Dibromoethane	1.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	10	ND	ND	ND	ND	ND
Dibromomethane	1.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	1.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	1.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	1.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND
Diisopropyl Ether (DIPE)	5.0	ND	ND	ND	ND	ND

Centrum
Analytical
Laboratories, Inc.

ANALYTICAL RESULT FOR ORGANICS (Continued)

COMPOUND		CRDL	SG-12-5'	SG-07-5'	SG-11-5'	SG-10-5'	SG-9-5'
Ethylbenzene		1.0	ND	ND	ND	ND	ND
Ethyl tert-Butyl Ether (EtBE)		5.0	ND	ND	ND	ND	ND
Hexachlorobutadiene		1.0	ND	ND	ND	ND	ND
2-Hexanone		10	ND	ND	ND	ND	ND
Isopropylbenzene		1.0	ND	ND	ND	ND	ND
p-Isopropyltoluene		1.0	ND	ND	ND	ND	ND
Methylene chloride		50	ND	ND	ND	ND	ND
4-Methyl-2-pentanone		10	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MtBE)		1.0	ND	ND	ND	ND	ND
Napthalene		1.0	ND	ND	ND	ND	ND
n-Propylbenzene		1.0	ND	ND	ND	ND	ND
Styrene		1.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		2.0	ND	ND	ND	ND	ND
Tetrachloroethene		1.0	ND	ND	ND	ND	ND
Toluene		1.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene		1.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		1.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		1.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		1.0	ND	ND	ND	ND	ND
Trichloroethene		1.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane		2.0	ND	ND	ND	ND	ND
Trichlorofluoromethane		1.0	ND	ND	ND	ND	ND
Trichlorotrifluoroethane		5.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene		1.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene		1.0	ND	ND	ND	ND	ND
Vinyl chloride		2.0	ND	ND	ND	ND	ND
Xylenes, m-,p-		2.0	ND	ND	ND	ND	ND
Xylene, o-		1.0	ND	ND	ND	ND	ND
Tentatively Identified Compounds							
Isopropyl Alcohol (Tracer)			ND	ND	ND	ND	ND
SURROGATE	**SPK CONC**	**ACP%**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoromethane	50	70-130	104	102	103	102	103
Toluene-d8	50	70-130	102	101	101	99	100
Bromofluorobenzene	50	70-130	101	102	102	101	102

Centrum Analytical Laboratories, Inc.

Project No: Ontario Airport / 04474 (RWQCB labFrom 10A; Ver6/00)

ANALYTICAL RESULT FOR ORGANICS

Method: GCMS **REPORTING UNIT: µg/L of Air**

DATE ANALYZED		01/20/05				
DATE EXTRACTED		NA				
LAB SAMPLE I.D.		M5-101-15				
CLIENT SAMPLE I.D.		SG-13-5'				
EXTRACTION SOLVENT		NA				
EXTRACTION METHOD		mod. EPA 5030B				
DILUTION FACTOR		1				
COMPOUND	**CRDL**					
Acetone	50	ND				
tert-Amyl Methyl Ether (TAME)	5.0	ND				
Benzene	1.0	ND				
Bromobenzene	1.0	ND				
Bromochloromethane	1.0	ND				
Bromodichloromethane	1.0	ND				
Bromoform	1.0	ND				
Bromomethane	2.0	ND				
tert-Butanol (TBA)	10	ND				
2-Butanone (MEK)	10	ND				
n-Butylbenzene	1.0	ND				
sec-Butylbenzene	1.0	ND				
tert-Butylbenzene	1.0	ND				
Carbon disulfide	10	ND				
Carbon tetrachloride	1.0	ND				
Chlorobenzene	1.0	ND				
Chloroethane	1.0	ND				
Chloroform	1.0	ND				
Chloromethane	2.0	ND				
2-Chlorotoluene	1.0	ND				
4-Chlorotoluene	1.0	ND				
Dibromochloromethane	1.0	ND				
1,2-Dibromoethane	1.0	ND				
1,2-Dibromo-3-chloropropane	10	ND				
Dibromomethane	1.0	ND				
1,2-Dichlorobenzene	1.0	ND				
1,3-Dichlorobenzene	1.0	ND				
1,4-Dichlorobenzene	1.0	ND				
Dichlorodifluoromethane	1.0	ND				
1,1-Dichloroethane	1.0	ND				
1,2-Dichloroethane	1.0	ND				
1,1-Dichloroethene	1.0	ND				
cis-1,2-Dichloroethene	1.0	ND				
trans-1,2-Dichloroethene	1.0	ND				
1,2-Dichloropropane	1.0	ND				
1,3-Dichloropropane	1.0	ND				
2,2-Dichloropropane	1.0	ND				
1,1-Dichloropropene	1.0	ND				
cis-1,3-Dichloropropene	1.0	ND				
trans-1,3-Dichloropropene	1.0	ND				
Diisopropyl Ether (DIPE)	5.0	ND				

Centrum
Analytical
Laboratories, Inc.

ANALYTICAL RESULT FOR ORGANICS (Continued)

COMPOUND	CRDL	SG-13-5'				
Ethylbenzene	1.0	ND				
Ethyl tert-Butyl Ether (EtBE)	5.0	ND				
Hexachlorobutadiene	1.0	ND				
2-Hexanone	10	ND				
Isopropylbenzene	1.0	ND				
p-Isopropyltoluene	1.0	ND				
Methylene chloride	50	ND				
4-Methyl-2-pentanone	10	ND				
Methyl-tert-butyl ether (MtBE)	1.0	ND				
Napthalene	1.0	ND				
n-Propylbenzene	1.0	ND				
Styrene	1.0	ND				
1,1,1,2-Tetrachloroethane	1.0	ND				
1,1,2,2-Tetrachloroethane	2.0	ND				
Tetrachloroethene	1.0	ND				
Toluene	1.0	ND				
1,2,3-Trichlorobenzene	1.0	ND				
1,2,4-Trichlorobenzene	1.0	ND				
1,1,1-Trichloroethane	1.0	ND				
1,1,2-Trichloroethane	1.0	ND				
Trichloroethene	1.0	ND				
1,2,3-Trichloropropane	2.0	ND				
Trichlorofluoromethane	1.0	ND				
Trichlorotrifluoroethane	5.0	ND				
1,2,4-Trimethylbenzene	1.0	ND				
1,3,5-Trimethylbenzene	1.0	ND				
Vinyl chloride	2.0	ND				
Xylenes, m-,p-	2.0	ND				
Xylene, o-	1.0	ND				
Tentatively Identified Compounds						
Isopropyl Alcohol (Tracer)		ND				

SURROGATE	SPK CONC	ACP%	%RC				
Dibromofluoromethane	50	70-130	103				
Toluene-d8	50	70-130	102				
Bromofluorobenzene	50	70-130	101				

Centrum Analytical Laboratories, Inc.

Project No: Ontario Airport / 04474 (RWQCB labForm 10A; Ver6/00)

QA/QC REPORT (Continued)

II. Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

DATE PERFORMED: 01/20/05 ANALYTICAL METHOD: GCMS

BATCH #: M58260V249

LAB SAMPLE I.D.: Laboratory Control Sample REPORTING UNITS: µg/L

ANALYTE	SAMPLE RESULT	SPK CONC	MS	% MS	SPIKE CONC (DUP)	MSD	% MSD	RPD	MS/MSD LIMIT	RPD Limit
1,1-Dichloroethylene	0.0	50	47.93	96%	50	48.63	97%	1.4%	70-130	25
Benzene	0.0	50	48.32	97%	50	49.83	100%	3.1%	70-130	25
Trichloroethene	0.0	50	49.15	98%	50	50.36	101%	2.4%	70-130	25
Toluene	0.0	50	47.65	95%	50	48.56	97%	1.9%	70-130	25
Chlorobenzene	0.0	50	48.19	96%	50	49.40	99%	2.5%	70-130	25

III. Laboratory Quality Control Check Sample (LCS)

DATE PERFORMED: 01/20/05 ANALYTICAL METHOD: GCMS

STANDARD SUPPLY SOURCE: Ultra Sci., Accu Std. DATE OF SOURCE: 01/06/05

INSTRUMENT I.D.: M5GCMS LOT NUMBER: U-0453, U-2059, W-0185, B1090282

LAB LCS I.D.: Laboratory Control Sample REPORTING UNITS: µg/L

ANALYTE	SPIKE CONC	RESULT	% RECOVERY	ACP % REC LIMIT
1,1-Dichloroethylene	50	47.93	96%	70-130
Benzene	50	48.32	97%	70-130
Trichloroethene	50	49.15	98%	70-130
Toluene	50	47.65	95%	70-130
Chlorobenzene	50	48.19	96%	70-130

Centrum Analytical Laboratories, Inc.
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Riverside, CA 92507
Voice: 951.779.0310 • 800.798.9336
Fax: 951.779.0344

3299 Hill Street, Suite 305
Signal Hill, CA 90755
Voice: 562.498.7005
Fax: 562.498.8617

www.centrum-labs.com lab@centrum-labs.com

Chain of Custody Record

Centrum Job # MS-101

Project No:

Project Name: Ontario Airport

Project Manager:

Phone: 323-278-7700

Fax: 323-278-7707

Client Name: (Report and Billing) Interphase

Address: (Report and Billing) 6200 Peachtree St Los Angeles, CA 90040

Please Circle Analyses Requested

Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type
01	SG-15-5'	01/20/05	0817	Vapor	Ontario	125cc Glass
02	SG-19-5'		0835			Bulb
03	SG-14-5'		0900			
04	SG-18-5'		0920			
05	SG-17-5'		0945			
06	SG-16-5'		1005			
07	SG-20-5'		1029			
08	SG-21-5'		1052			
09	SG-22-5'		1155			
10	SG-12-5'		1212			

LUFT Diesel, or EPA 8015B DRO	LUFT Gas, or EPA 8015B GRO	Fuel ID (TVH, TEH), Carbon Chain (specify ranges)	8021B: BTEX/MtBE Only		VOCs: 8260B, or 624	VOCs: BTEX/Oxygenates Only	SVOCs: 8270C, or 625	8081A/8082: Pesticides, or PCBs, or Pest/PCB		Metals: Title 22 (CAM), or RCRA, or PP	Metals: TCLP, STLC	pH, TDS, TSS	418.1 (TRPH), or 413.2, or 1664	
					X									
					X									
					X									
					X									
					X									
					X									
					X									
					X									
					X									
					X									

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☐ 48 Hr. RUSH*
- ☐ Normal TAT
- ☑ Other MOBILE LAB

*Requires PRIOR approval, additional charges apply

Requested due date: _____

Remarks/Special Instructions

	Date	Time
1) Relinquished by: (Sampler's Signature)	1/20	1430
2) Received by:	01/20/05	1430
3) Relinquished by:		
4) Received by:		
5) Relinquished by:		
6) Received for Laboratory by:		

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☑ From Field

Custody seals? ☐ Yes ☑ No

All sample containers intact? ☑ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☑ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☐ Lab disposal

Additional Report Formats:

- ☑ LARWQCB
- ☐ EDF (Geotracker)
- ☐ EDD (GISKEY)
- ☐ EDD (Other)*

Sample Locator No.

Laboratory Notes:

White Copy - Original (Accompanies Samples) Yellow Copy - Centrum Files Pink Copy - Centrum duplicate Gold Copy - Client Copy

Centrum Analytical Laboratories, Inc.
1401 Research Park Drive, Suite 100
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Fax: 951.779.0344

3299 Hill Street, Suite 305
Signal Hill, CA 90755
Voice: 562.498.7005
Fax: 562.498.8617

www.centrum-labs.com lab@centrum-labs.com

Chain of Custody Record

Centrum Job # MS-101

Project No:

Project Name: Ontario Airport

Project Manager:

Phone: 323-278-7700

Fax: 323-278-7707

Client Name: (Report and Billing) Interphase

Address: (Report and Billing) 6200 Peachtree St. Los Angeles, CA 90040

Please Circle Analyses Requested

Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	LUFT Diesel, or EPA 8015B DRO	LUFT Gas, or EPA 8015B GRO	Fuel ID (TVH, TEH), Carbon Chain (specify ranges)	8021B: BTEX/MtBE Only	VOCs: 8260B, or 624	VOCs: BTEX/Oxygenates Only	SVOCs: 8270C, or 625	8081A/8082: Pesticides, or PCBs, or Pest/PCB	Metals: Title 22 (CAM), or RCRA, or PP	Metals: TCLP, STLC	pH, TDS, TSS	418.1 (TRPH), or 413.2, or 1664	Remarks/Special Instructions
11	SG-07-5'	01/20/05	1235	Vapor	Ontario	125cc Glass Bulb					X								
12	SG-11-5'		1259								X								
13	SG-10-5'		1328								X								
14	SG-9-5'		1348								X								
15	SG-B-5'	↓	1415	↓	↓	↓					X								

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☐ 48 Hr. RUSH*
- ☐ Normal TAT
- ☑ Other MOBILE LAB

*Requires PRIOR approval, additional charges apply

Requested due date: _____

1) Relinquished by: (Sampler's Signature)	Date: 1/20/05	Time: 1430	3) Relinquished by:	Date:	Time:
2) Received by:	Date: 01/20/05	Time: 1430	4) Received by:	Date:	Time:
			5) Relinquished by:	Date:	Time:
			6) Received for Laboratory by:	Date:	Time:

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☑ From Field

Custody seals? ☐ Yes ☑ No

All sample containers intact? ☑ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☑ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☐ Lab disposal

Laboratory Notes:

Additional Report Formats:

- ☑ LARWQCB
- ☐ EDF (Geotracker)
- ☐ EDD (GISKEY)
- ☐ EDD (Other)*

Sample Locator No.

White Copy - Original (Accompanies Samples) Yellow Copy - Centrum Files Pink Copy - Centrum duplicate Gold Copy - Client Copy

EARTH TECH

A Tyco Infrastructure Services Company

Printed on recycled paper

COPY

REPORT OF
PHASE I ENVIRONMENTAL SITE ASSESSMENT

GE ENGINE SERVICES, INC.

1923 EAST AVION STREET
ONTARIO, CALIFORNIA 91761

Prepared for:

GE ENGINE SERVICES, INC.

Ontario, California 91761

January 31, 2006

MACTEC Project 4951-05-2921.01

MACTEC

SCHWING, EILEEN J.

From: SCHWING, EILEEN J.

Sent: Wednesday, September 13, 2006 4:17 PM

To: 'GEES --- Fricke, George (Corporate)'

Cc: ROLLINS, ROBIN; RAPHAEL, GEORGE F.; 'GEES -- Cynthia Johnson, Finance'; 'GEES -- Bradley Grubbs'; RAE, JAMES

Subject: ONT GEES CLOSURE

George:

In response to your request for a copy of a LAWA Phase I environmental site report on the GEES closure site, our Environmental Management Division (EMD) Representative, George Raphael, reports that LAWA did not perform a Phase I; rather, EMD responded to the GEES Phase 1 dated January 31, 2006 by MACTEC (Project No. 4951-5-2921.01). GEES provided EMD with all information requested in said response. Except for the Waste Water Treatment Plant close-out with the County and the possible demo. of Bldg. 8, there are no other outstanding environmental issues left to be addressed.

It is recommended that Bradley request the 3-day site closure from the County of San Bernardino immediately upon his return from vacation and that Bradley schedule a meeting with the County, George Raphael of EMD, and Bradley to discuss any issues. It is anticipated that the County may require sampling and removal of drain lines with regard to the Waste Water Treatment Plant.

Please call me at your convenience tomorrow to discuss further. Thanks.

Eileen Schwing

Eileen (Enright) Schwing, SR/WA
Sr. Real Estate Officer
Los Angeles World Airports (ONT)
Terminal Building One, Rm. 219
Ontario, CA 91761

Tel: (909) 975-5384
Fax: (909) 937-2818
Email: EJSchwing@lawa.org

RDO: Second Monday

MEMORANDUM

Los Angeles World Airports

Date: May 4, 2006

To: Robin Rollins, Senior Management Analyst, ONT Airport Division - Property

From: Gary Brown, Environmental Division Manager

Subject: **ONT – MACTEC Phase I Environmental Site Assessment (ESA) - General Electric Engine Services, Inc. (GE), 1923 East Avion Drive**

The following is a summary of findings and recommendations based on the Environmental Management Division's (EMD) staff review of the subject report prepared for GE by MACTEC and dated January 31, 2006 (Project # 4951-05-2921.01). The report was prepared in conjunction with the termination of the leasehold at the subject site (Site).

MACTEC Phase I ESA Report Findings

1. History – GE moved to the site in 1955 replacing Northrop and Douglas Aircraft. Hangar 5 and the Administrative Building are not visible in aerial photographs until 1989. Figure 2 of the Report shows a layout of the site that includes Hangars 1, 2, 3, and 5, and associated annexes and structures. The report also includes a topographic site map prepared by Adkan Engineers and dated December 2005.

2. Underground storage tanks (USTs) – Environmental databases show that 14-17 USTs may have existed on the site. A 2002 ESA prepared for GE by Harding ESE, Inc. indicate that 15 USTs existed on site, and that those USTs have been properly removed or abandoned in place with closure certification from the Department of Toxic Substances Control (DTSC) in 1994. At least one UST may have been abandoned in place under the cleaning line. MACTEC indicate so far (Executive Summary, p. vi) that the closure letter for 15 UST was not located.

3. Electrical transformers – Pad and pole mounted transformers exist on the site. Pad mounted transformers are all "dry" type. No leaks were observed in and around the pole-mounted transformers that contain oils. All transformers are owned by Southern California Edison (SCE) who maintains that non of its transformers currently contain PCBs or polychlorinated biphenyls.

4. Environmental database listings – The site and many nearby properties are listed on several environmental databases that indicate historical association with environmental issues. The Report states that these listed properties are not anticipated to be recognized environmental conditions relative to the GE Site.

5. Regulatory agencies record review – MACTEC further reviewed relevant Site files at the Regional Water Quality Control Board (RWQCB) – Santa Ana Region, and the Department of Toxic Substance Control (DTSC) – Cypress office, and found the following (From Section 8.0 of the Report):

a. A Notice of Deficiency from DTSC to GE regarding the 1990 UST Closure Plan submitted by GE.

b. Closure report for 5 USTs and associated piping/Vadose wells by OHM Remediation, dated May 30, 1991. Four tanks were removed and the area back-filled, while one, buried under a building support beam, was rinsed and closed in place with the approval of the SB Haz Mat.

c. Approval letter from DTSC, dated August 6, 1992, for the T-58 Sump Closure Work Plan.

d. Letter (dated 1991) from the RWQCB to former site occupants stating that chlorinated solvents have been detected down-gradient from ONT.

e. A Closure Certification Report, dated June 2, 1994, prepared by Canonie Environmental, documents the final recommendations and certification of removed UST's, closure of an Expanded Drum Storage Area (EDSA), closure of a 200-gallon waste storage tank, and an oil/water separator. On October 17, 1994, closure was granted and certified by the DTSC (which contradicts MACTEC's statement reported in 2 above).

6. Potential soil contamination – Cracks in the flooring were observed in Hangars 2, 3, and 5 that could have allowed contaminants to seep through to the soil beneath those hangars. Historically during the 1950's and 1960's under former site occupants Northrop and Douglas Aircraft, aircrafts were washed on site with runoff collected into unlined ditches and sumps. The findings below are listed in the order reported in the Report's Executive Summary.

   a. Hangar - Hangar 3 – Currently used for supplies storage and was a former machine shop where oils and solvents were used. The 2002 Harding ESA reported Tri/per-chloro-ethylene (TCE/PCE) contamination based on soil-gas data collected southeast and southwest of the hangar. Historically, aircrafts were washed west of Hangar 3.

   b. Hangar 5 – Currently used for aircraft engine refurbishing. Soil staining was observed on the floor of Hangar 5, which formerly housed a bearing cleaning room and a paint booth. The hangar now houses the Campbell grinder which uses many lubricants and solvents.

   c. Hangar 2 – Currently used for supplies storage and formerly housed Plasma spraying.

   d. Hangar 1 – A parts-cleaning area that uses many chemicals and solvents stored in tanks, some of which may have discharged into the southeast side pavement in the past.

   e. T-58 test cell sump – The sump collects wastewater transported by truck from the GE Test Cell Facility. A closure plan was approved by DTSC in 1992 (mentioned in 4c above) that included drilling to collect and analyze soil borings. No further documentation is available. The report, however, on page 9, indicates a sump located 25 feet east of Tool Control at the northern end of Hangar 1 with it line running below the tool room (based on a 1990 Plumbing Diagram by Gabel) which was not part of the ESA study area. It is unclear if this is the T-58 test cell sump.

f. Industrial waste discharge – In the 1950's, the former site occupants (Northrop and Douglas Aircraft), were cited by the Regional Water Quality Control Board (RWQCB) for probable sources of contaminants in the ground water, as a result of the routine discharge of industrial waste and wastewater into the ground (unlined ditches and sumps).

7. Asbestos – An Asbestos Assessment completed March 9, 2004 by Integrity Environmental Consultants, Inc. showed that asbestos tiles exist in the Data Processing Building.

8. Septic Tank / Leach Fields closure – Page 8 of the report indicates that reports on the location or closure of septic tanks or leach field could not be located. Connection, to the City of Ontario sewer system may not have taken place until 1985.

9. Wastewater treatment plant (WTP) and associated tanks – The Report (p.17) mentions that the WTP is permitted through the 'permit by rule' (PBR) system. The industrial wastewater permit is issued by the Inland Empire Utilities Agency and County Sanitation Districts of Los Angeles County.

MACTEC / EMD Recommendations and Action Items

1. History – No recommendations and actions.

2. USTs – The ESA stated that the assessment and findings should be researched further to confirm the historical and current presence of USTs at the site. EMD agrees that GE should provide to ONT Property and EMD historical plans and/or closure reports and letters related to USTs. Copies of the closure letters/reports may be obtained from the San Bernardino County Fire Department Hazardous Materials Division (SB Haz Mat). When such data cannot be located, a geo-survey of the site may be performed to confirm the presence and location of any USTs abandoned in place (one abandoned UST is confirmed). GE should also provide copies of the following reports as listed in Section 11.0 of the MACTEC ESA report:

   a. Harding ESE, Inc., GE Site Phase I ESA, November 4, 2002.
   b. Canonie Environmental, GE Hazardous Waste Management Units Closure Certification Report, June 1994.
   c. Dames and Moore, Final Closure Report for USTs, August 8, 1988.
   d. OHM Remediation Services Group, Closure Report for USTs, May 30, 1991.

3. Electrical Transformers – Though the MACTEC ESA did not suggest further action, EMD recommends that GE provide to ONT Property a statement or equivalent from SCE as to the PCB content of the pole mounted "wet" transformers. In most instances, labels indicating PCB contents (or No-PCB) are affixed to those transformers.

4. Environmental Database Listing - No recommendations or actions.

5. Regulatory agencies record review – GE shall provide to ONT property and EMD further clarification regarding USTs and other hazardous waste unit closures. A list (with relevant copies) of existing reports and records that identifies the units, what they processed, and when they were closed would be sufficient. The data should address the T-58 sump and any other sumps on the Site. This task may be combined with that recommended in 2 above.

6. Potential soil contamination – MACTEC recommends that a Work Plan be prepared to assess potential and recognized environmental concern. The Work Plan should include soil gas surveys and soil sampling, following all applicable state and local regulatory requirements. EMD agrees that GE should prepare or contract to prepare such a work plan and provide to EMD and the oversight regulatory agencies, including; RWQCB, SB Haz Mat (The Certified Unified Program Agency or CUPA), and most likely the City of Ontario. The work / investigation plan should be workable following site vacation, removal and/or decommissioning of all process units, and closure of the WTP.

7. Asbestos – The report did not provide further recommendations regarding to Asbestos. EMD, however, recommends that comprehensive asbestos, mold, and lead surveys be performed following GE's vacation of the site.

8. Septic Tank / Leach Field Closure – GE shall provide to ONT Property and EMD document relevant to the closure, copies of the current City of Ontario sewer permit and underground sewer pipe maps.

9. WTP and associated tanks – The "permit by rule" is formulated by the California Department of Toxic Substances Control (DTSC) and administered by the local CUPA. EMD is not currently aware that such permits are being administered by the Inland Empire Utilities Agency (who typically collects and supplies recycled water) or the Los Angeles County Sanitation Districts considering that the WTP Site is located in San Bernardino County. GE shall clarify this issue further by providing the EMD and ONT Property the following:

    a. Copy of the WTP PBR permit – typically permit fees are billed annually.
    b. Copy of the Closure Financial Assurance statement or equivalent.
    c. Copy of the WTP Closure Plan and / or CUPA notification of the intended closure. In addition to the Closure Plan, GE shall inform ONT Property and EMD as to its intent regarding to the WTP assets; particularly equipment and fixtures to be left in place or removed from the site. This would determine possible future environmental, logistics and other concerns. EMD is recommending all equipment removed by GE following closure.
    d. Any other relevant document(s), report(s), or plan(s).

EMD Additional Recommendations and Action Items

In light of the MACTEC Phase I ESA report findings and Site knowledge, EMD recommends the following additional actions:

1. GE to provide EMD with the Site's 2006 Hazardous Materials Business / Contingency Plan – The plan lists all the hazardous chemicals used and stored on site.

2. GE to remove and vacate all process equipment – (except those related to the fire suppression system), including and not limited to tanks, hoist, rails, compressors, generators, pumps, boilers, heater, ovens, cooling towers, and associated piping and peripherals.

3. GE to remove and vacate all hazardous chemicals and materials from the site including universal wastes such as computer and electrical equipment that are not part of the buildings.

4. GE to provide ONT Property and EMD with the active remaining Air Quality Management District permits (Including Title 5) after the site is vacated. If all currently permitted equipment by AQMD is to be removed by GE, then please ignore this action item.

5. GE, as with other former tenants, may be involved in litigation and / or cleanup and abatement orders issued by the RWQCB regarding TCE contamination of the Chino North Groundwater Management Zone (CNGMG). Such contamination is thought to have originated from the subject Site (and the GE Test Cell Site). Dr. Andrew Huang will coordinate the Los Angeles World Airports' (LAWA) involvement on this pending cleanup order. GE should provide ONT Property and EMD with a point of contact to obtain regular updates regarding this regulatory action.

Please feel free to contact Dr. Andrew Huang of my staff at (310) 646-2853, extension 1007 or George Raphael at (909) 975-5969, should you have questions or require further information or clarification.

GB:SGD:GFR:jpf

cc: K. Ellis, ONT Airport Manager
J. Romo, Airport Property Manager
E. Schwing, ONT Senior Real Estate Officer
P. Tubert, Deputy Executive Director

T:\ENVMGT\2006\060048GFR\PCDOCS #232474 v1



City of Los Angeles Department of Airports
Tom Bradley, Mayor

Board of Airport Commissioners
Jerry B. Epstein
President
Johnnie L. Cochran, Jr.
Vice President
Robert A. Chick
Samuel Greenberg
Diane Pasillas

Clifton A. Moore
Executive Director

RESOLUTION NO. 17188

CONFORMED COPY
609.2

WHEREAS, on recommendation of Management, there was presented for approval, a Non-Exclusive Right-of-Way License Agreement for General Electric Company at Ontario International Airport; and

WHEREAS, the right-of-way will be located both on General Electric's leasehold and along Avion Drive and Vineyard Avenue. The total area of the non-exclusive right-of-way is 0.2695 acre. General Electric will use the right-of-way for the installation and maintenance of an 8 inch sewer line which will feed into the Chino Basin Municipal Water District's non-reclaimable waste water system in Ontario; and

WHEREAS, the non-exclusive right-of-way will commence on July 11, 1990. No rent will be assessed for the right-of-way area; and

WHEREAS, licensee will be solely responsible for fully complying with any and all applicable present and/or future rules, regulations, restrictions, ordinances, statutes, laws and/or orders of any Federal, State, and/or Local Government entity and/or court regarding the storage, handling, processing, and/or transmission of all hazardous substances on the leasehold. The term "hazardous substances" will specifically include, but is not limited to gasoline, diesel fuel, jet fuel, lubricating oil, solvents, all asbestos material, if any located on the leasehold. Lessee will be solely responsible for any damages caused by and/or penalties levied as the result of its non-compliance; and

WHEREAS, licensee shall be responsible for all expenses associated with the right-of-way, including all possessory interest taxes, other taxes, maintenance, and insurance. Licensee shall procure at its expense and keep in effect at all times during the term of the License, insurance of the types and amounts prescribed by City. Licensee shall submit proof of said insurance that is acceptable to City; and

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WHEREAS, licensee shall fully comply with Article 1, Chapter 2, Section 21.00 of the Los Angeles Municipal Code (Business Tax); and

WHEREAS, this Right-of-Way License is exempt from the provisions of the Rules and Regulations Regarding South Africa Related Contracts pursuant to Guideline #1 (c)(2) of the Guidelines for Implementation of the Department of Airports Rules and Regulations Regarding South Africa Related Contracts; and

WHEREAS, General Electric Company has an approved Affirmative Action Plan on file; and

WHEREAS, this Right-of-Way License is exempt from the requirements of the California Environmental Quality Act as provided by Article VII, Class 1 (18)(c) of the Los Angeles City CEQA Guidelines;

NOW, THEREFORE, BE IT RESOLVED that the Board of Airport Commissioners determined that this Non-Exclusive Right-of-Way License is exempt from CEQA requirements and South Africa Contract requirements as stated above, approved the Non-Exclusive Right-of-Way License, and authorized the Executive Director to execute the Non-Exclusive Right-of-Way License upon approval as to form by the City Attorney.

oOo

I hereby certify that the foregoing is a true and correct copy of Resolution No. 17188 adopted by the Board of Airport Commissioners at a regular meeting held Wednesday, July 11, 1990.

Elaine E. Staniec

Elaine E. Staniec - Secretary
BOARD OF AIRPORT COMMISSIONERS

CONFORMED COPY
6092

CITY OF LOS ANGELES
DEPARTMENT OF AIRPORTS

NON-EXCLUSIVE RIGHT-OF-WAY LICENSE AGREEMENT

The CITY OF LOS ANGELES, a municipal corporation, acting by order of and through its Board of Airport Commissioners (hereinafter referred to as "City"), hereby permits GENERAL ELECTRIC COMPANY, as Permittee, to use the following described premises, for the term and for the uses hereinafter set forth, all subject to the Standard Terms and Provisions, as modified, attached hereto and made a part hereof.

Designated Premises: 0.2695 acre of non-exclusive right-of-way area located both on Permittee's leasehold and along Avion Drive and Vineyard Avenue at Ontario International Airport (hereinafter referred to as "Airport"), as more particularly delineated and outlined in red on Airports Engineer's Drawing No. 90049-82, a copy of which is attached hereto, marked Exhibit "A" and incorporated by reference herein. All rights to the use of the surface overlying said right-of-way, or as hereafter relocated or extended, shall remain in City for its use in any lawful and proper manner it may deem necessary for the operation of Airport in the promotion and accommodation of air commerce and air navigation, and City reserves the right to use on its behalf any portion of the surface areas of said right-of-way for any and all

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lawful purposes; provided, however, in the event City shall, in its discretion, determine the use of any portion of such right-of-way is necessary for the construction of any improvements or facilities including, without limitation, buildings, storm drains, sewer lines, underground ducts, structures, vaults, water mains or other subsurface structures it deems necessary for the operation of Airport and that Permittee's facilities within said right-of-way must be relocated to prevent a hazardous condition which might otherwise prevail and/or unreasonable interference with said construction, then Permittee shall, at its expense, and within ninety (90) days after receipt of written notice from City, commence to remove any of the sewer lines and appurtenances from such portion of said right-of-way and relocate said sewer lines in and along such realigned right-of-way as the Executive Director of City's Department of Airports (hereinafter referred to as "Executive Director") may prescribe.

Term: Commencing July 11, 1990; subject, however, to earlier termination as herein provided.

Uses: Installation and maintenance of an eight (8) inch sewer line which will feed into the Chino Basin Municipal Water District's non-reclaimable waste water system in Ontario.

IN WITNESS WHEREOF, the parties hereto have themselves or through their duly authorized officers caused this Agreement to be executed this 10th day of January, 1991.

CITY OF LOS ANGELES

By _____
Executive Director
Department of Airports

APPROVED AS TO FORM
JAMES K. HAHN
CITY ATTORNEY

JAN 10 1991

By _____
ASSISTANT/DEPUTY

ATTEST:

By _____
Secretary (Signature)
Mgr-Finance

Ellen G. Finn
Print Name

[SEAL]

GENERAL ELECTRIC COMPANY

By _____
Signature

M. A. DONOHUE
Print Name

GEN. MGR.
Print Title

STANDARD TERMS AND PROVISIONS
(PERMIT)

1. Use of Designated Premises.

(a) Permittee shall not use the designated premises, nor any portion thereof, for any purpose other than that hereinabove set forth without first having had and obtained the written consent of the Executive Director of the Department of Airports (hereinafter referred to as "Executive Director").

(b) There is hereby reserved to City, its successors and assigns, for the use and benefit of the public, a right of flight for the passage of aircraft in the airspace above the surface of the premises herein leased. This public right of flight shall include the right to cause in said airspace any noise inherent in the operation of any aircraft used for navigation or flight through the said airspace or landing at, taking off from or operation on Airport. Permittee agrees not to make any claim or institute legal action against City under any theory of recovery for any interference with Permittee's use and enjoyment of the designated premises which may result from noise emanating from the operation of aircraft to or from or upon Airport except for claims or actions brought by third parties against Permittee arising from City's operation of Airport.

(c) Permittee, by accepting this Permit, agrees for itself, its successors and assigns that it will not make use of the leased premises in any manner which might interfere with the landing and taking off of aircraft from Airport or otherwise constitute a hazard to such operations. In the event the aforesaid covenant is breached, City reserves the right to enter upon the premises hereby leased and cause the abatement of such interference at the expense of Permittee.

2. Improvements and Alterations.

(a) Permittee shall make no structural improvements, additions or alterations in, to or upon the designated premises, nor erect, construct or place any sign or advertisement upon said premises, without the prior written consent of Executive Director being first had and obtained, and any conditions, restrictions or limitations relating thereto then stated by said Executive Director shall be conditions hereof as if they had been originally stated at length herein. Permittee shall also keep the designated premises and any improvements constructed thereon free and clear of liens for labor and material expended by or for Permittee or on its behalf (except when such improvement is constructed by City) and shall hold City harmless from liability with respect to any such improvements, additions or alterations made thereto.

(b) City reserves the right to further develop or improve the landing area of Airport as it sees fit, regardless of the desires or view of Permittee, and without interference or hindrance. If any such development or improvement interferes substantially with Permittee's use and occupancy of the premises demised herein, Permittee shall be entitled to an appropriate reduction in rental or termination of this Permit.

(c) Permittee agrees to comply with the notification and review requirements covered in Part 77 of the Federal Aviation Administration Regulations in the event any future structure or building is planned for the leased premises, or in the event of any planned modification or alteration of any present or future building or structure situated on the leased premises.

(d) Permittee, by accepting this Permit, expressly agrees for itself, its successors and assigns that it will not erect nor permit the erection of any structure or object nor permit the growth of any tree of the land leased hereunder above the mean sea level elevation obstruction contours shown on Exhibit "A". In the event the aforesaid covenants are breached, City reserves the right to enter upon the land leased hereunder and to remove the offending structure or object and cut the offending tree, all of which shall be at the expense of Permittee.

3. Ownership of Improvements. During the term of this Permit, title to all structures, improvements, facilities or alterations constructed or installed by Permittee shall remain in Permittee. Upon the termination of this Permit, said structures, improvements, facilities or alterations, other than machines, equipment, trade fixtures and similar installations of a type commonly removed without structural damage to the designated premises, shall become a part of the land upon which they are constructed, or of the building to which they are affixed, and title thereto shall thereupon vest in City. In the event the removal of any fixture damages any part of the designated premises, Permittee shall repair such damage and restore the designated premises to as good condition as the same was in upon completion of the construction, reasonable wear and tear excepted.

4. Maintenance of Designated Premises. Permittee shall maintain the designated premises, including any structures, improvements and facilities constructed by Permittee thereon, in good condition and in compliance with all requirements of law. Permittee shall also use the designated premises, so far as is reasonably practicable, in such manner so as not to interfere unreasonably with the use of other premises adjoining said designated premises on Airport.

5. City's Right of Access and Inspection. City, by its officers, employees, agents, representatives and contractors, shall have the right at all reasonable times and in a reasonable manner, upon notice to Permittee, to enter upon the designated premises for the purpose of inspecting the same or for doing any act or thing which City may be obligated or have the right to do under this Permit, or otherwise, and no abatement of rental shall be claimed by or allowed to Permittee by reason of the exercise of such rights. In the exercise of rights under this section, City, its officers, employees, agents and contractors shall use their best efforts to avoid interfering with the conduct of Permittee's business on the designated premises as herein authorized.

6. Restrictions and Regulations. Permittee agrees to abide by any and all: (1) applicable rules, regulations, orders and restrictions which are now in force or which may be hereafter adopted by City with respect to the operation of Airport; (2) orders, directives or conditions issued, given or imposed by Executive Director with respect to the use of the roadways, driveways, curbs, sidewalks and parking areas in and about said Airport; and (3) applicable laws, ordinances, statutes, rules, regulations or orders of any governmental authority, federal, state or municipal, lawfully exercising jurisdiction over the Airport or Permittee's occupation or use of the designated premises. Nothing herein contained shall be deemed to impair Permittee's right to contest any such rules, regulations, orders, restrictions, directives or conditions or the reasonableness thereof. City shall not be liable to Permittee for any damage to, or for any diminution or deprivation of, Permittee's rights hereunder on account of the exercise of any such authority, or as may arise from Airport development or operation in the area of the designated premises during the term of this Permit, unless the exercise thereof shall so interfere with Permittee's use and occupancy of the leasehold estate herein created so as to constitute a constructive eviction or a termination, in whole or in part, of this Permit by operation of law or otherwise.

Permittee shall abide by all applicable local, state and federal laws and regulations relative to the design and installation of facilities to accommodate handicapped persons.

7. Insurance.

(a) Permittee shall procure at its expense, and keep in effect at all times during the term of this Permit, the types and amounts of insurance specified on page 12 hereof. The specified insurance shall also, either by provisions in the policies, by City's own endorsement form or by other endorsement attached to such policies, include and insure City, its Department of Airports, its Board of Airport Commissioners, and all of its officers, employees and agents, their successors

and assigns, as insureds, against the areas of risk described on page 12 hereof as respects Permittee's acts or omissions in its operations, use and occupancy of the premises hereunder or other related functions performed by or on behalf of Permittee at Airport.

(b) Each specified insurance policy (other than Workers' Compensation and Employers' Liability and fire and extended coverages) shall contain a Severability of Interest (Cross Liability) clause which states, "It is agreed that the insurance afforded by this policy shall apply separately to each insured against whom claim is made or suit is brought except with respect to the limits of the company's liability," and a Contractual Endorsement which shall state, "Such insurance as is afforded by this policy shall also apply to liability assumed by the insured under this Permit with the City of Los Angeles."

All such insurance shall be primary and noncontributing with any other insurance held by City's Department of Airports where liability arises out of or results from the acts or omissions of Permittee, its agents, employees, officers, assigns, or any person or entity acting for or on behalf of Permittee. Such policies may provide for reasonable deductibles and/or retentions acceptable to Executive Director based upon the nature of Permittee's operations and the type insurance involved.

(c) City shall have no liability for any premiums charged for such coverage(s). The inclusion of City, its Department of Airports, its Board, and all of its officers, employees and agents, and their agents and assigns, as insureds is not intended to, and shall not, make them, or any of them, a partner or joint venturer with Permittee in Permittee's operations at Airport. Upon failure of Permittee to provide and maintain the insurance required herein after ten (10) days prior written notice to comply, City may (but shall not be required to) procure such insurance at Permittee's expense.

At least ten (10) days prior to the expiration date of the above policies, documentation showing that the insurance coverage has been renewed or extended shall be filed with City. If such coverage is cancelled or reduced, Permittee shall, within fifteen (15) days of such cancellation of coverage, file with City evidence that the required insurance has been reinstated or provided through another insurance company or companies.

(d) Permittee shall provide proof of all specified insurance and related requirements to City either by production of the actual insurance policy(ies), by use of City's own endorsement form(s), by broker's letter acceptable to Executive Director in both form and content in the case of foreign

insurance syndicates, or by other written evidence of insurance acceptable to Executive Director. The documents evidencing all specified coverages shall be filed with City prior to Permittee occupying the designated premises. They shall contain the applicable policy number, the inclusive dates of policy coverages and the insurance carrier's name, shall bear an original signature of an authorized representative of said carrier, and shall provide that such insurance shall not be subject to cancellation, reduction in coverage or nonrenewal except after written notice by certified mail, return receipt requested, to the City Attorney of the City of Los Angeles at least thirty (30) days prior to the effective date thereof. City reserves the right to have submitted to it, upon request, all pertinent information about the agent and carrier providing such insurance.

City and Permittee agree that the insurance policy limits specified herein shall be reviewed for adequacy annually throughout the term of this Permit by Executive Director who may, thereafter, require Permittee to adjust the amounts of insurance coverage to whatever amount said Executive Director deems to be adequate.

8. City Held Harmless. In addition to the provisions of Section 7 herein, Permittee shall indemnify, defend and keep and hold City, including its Board of Airport Commissioners (hereinafter referred to as "Board"), and City's officers, agents, servants and employees, harmless from any and all costs, liability, damage or expense (including costs of suit and fees and reasonable expenses of legal services) claimed by anyone by reason of injury to or death of persons, or damage to or destruction of property, including property of Permittee, sustained in, on or about the designated premises or arising out of Permittee's use or occupancy thereof, to the extent that such damages or costs are proximately caused by the acts or omissions of Permittee, its agents, servants or employees.

9. Taxes and Licenses. Permittee shall pay all taxes of whatever character that may be levied or charged upon the leasehold estate in the designated premises, or upon Permittee's improvements, fixtures, equipment or other property thereon or upon Permittee's use thereof. Permittee shall also pay all license or permit fees necessary or required by law or regulation for the conduct of Permittee's business or use of the designated premises. The obligation, however, shall not prevent Permittee from contesting the validity and/or applicability of any of the above charges and during the period of any such lawful contest, Permittee may refrain from making, or direct the withholding of, any such payment without being in breach of the above provisions. Upon a final determination in which Permittee is held responsible for such taxes and/or fees, Permittee shall promptly pay the required amount plus all legally imposed interest, penalties and surcharges.

In addition, by executing this Permit and accepting the benefits thereof, a property interest may be created known as a "possessory interest". If such possessory interest is created, Permittee, as the party in whom the possessory interest is vested, shall be subject to the payment of the property taxes levied upon such interest.

10. Assignments and Subleases. Permittee shall not, in any manner, assign, transfer or encumber this Permit, or any portion thereof or any interest therein, without the prior written consent of Board, nor sublet or sublease the whole or any part of the designated premises, nor license or permit the use of the same, in whole or in part, without the prior written consent of Executive Director. Consent to one assignment, subletting, use or occupation shall not be deemed to be a consent to any subsequent assignment, subletting, occupation or use. This Permit shall not, nor shall any interest therein, be assignable as to the interest of Permittee by operation of law without the prior written consent of City.

City shall not unreasonably withhold its consent to the assignment of this Permit or the subletting of the premises or any portion thereof; provided, however, that the use of said premises by any such assignee or sublessee must be consistent with the use authorized herein. A request by Permittee for assignment or subletting shall be submitted to City in writing along with a fully executed copy of the proposed assignment or sublease.

When the proper consent has been received, this Permit shall be binding upon and shall inure to the benefit of the heirs, successors, executors, administrators and assigns of the parties hereto.

11. Default and Termination.

(a) Not Involving Rent or Other Payments.

In the event Permittee fails to abide by the terms and conditions of this Permit, not involving the failure to pay rent or other payments, City shall give Permittee written notice to correct the defect or default and if the same is not corrected, or substantial steps are not taken toward accomplishing such correction, within ten (10) days after Permittee's receipt of such notification, City may terminate this Permit upon giving Permittee a thirty (30) day written notice.

(b) Bankruptcy.

In case of the bankruptcy of Permittee, or the appointment of a receiver for Permittee, or if a receiver is appointed to take possession of the designated premises as a result of any act or omission of Permittee, or if Permittee makes an assignment of this Permit for the benefit of creditors, or if possession of the designated premises is taken

by virtue of any attachment, execution or the levy of any judicial process, and such appointment or taking is not discharged or terminated within sixty (60) days, City, at its election, may, without notice, terminate this Permit.

12. Waiver. The waiver by either party of any breach of any term, covenant or condition herein contained shall not be deemed to be a waiver of any other term, covenant or condition, or of any subsequent breach of the same term, covenant or condition. The subsequent acceptance of rent hereunder by City shall not be deemed to be a waiver of any preceding breach by Permittee of any term, covenant or condition of this Permit other than the failure of Permittee to pay the particular rental so accepted, regardless of City's knowledge of such preceding breach at the time of acceptance of such rent.

13. Attorney's Fees. If City shall, without any fault, be made a party to any litigation commenced by or against Permittee arising out of Permittee's use or occupancy of the designated premises and as a result of which Permittee is finally adjudicated to be liable, then Permittee shall pay all costs, expenses and reasonable attorney's fees incurred by or imposed upon City in connection with such litigation. In any action by City or Permittee for recovery of any sum due under this Permit, or to enforce any of the terms, covenants or conditions contained herein, the prevailing party shall be entitled to reasonable attorney's fees in addition to costs, expenses and necessary disbursements incurred in such action. Each party shall give prompt notice to the other of any claim or suit instituted against it that may affect the other party.

14. Hazardous and Other Regulated Substances. Permittee agrees to accept sole responsibility for its full compliance on the designated premises with any and all applicable present and future rules, regulations, restrictions, ordinances, statutes, laws and/or other orders of any governmental entity regarding the use, storage, handling, distribution, processing and/or disposal on the designated premises of hazardous wastes, extremely hazardous wastes, hazardous substances, hazardous materials, hazardous chemicals, toxic chemicals, toxic substances, pollutants, contaminants or other similarly regulated substances (hereinafter referred to as "hazardous substances") regardless of whether the obligation for such compliance or responsibility is placed on the owner of the land, on the owner of any improvements on the leasehold, on the user of the land, or on the user of the improvements. Said hazardous substances shall include, but not be limited to, gasoline, aviation, diesel and jet fuels, lubricating oils and solvents. Permittee agrees that any damages, penalties or fines levied on City and/or Permittee as a result of Permittee's noncompliance with any of the above on the designated premises shall be the sole responsibility of Permittee and further, that Permittee shall indemnify and pay

and/or reimburse City for any damages, penalties or fines that City pays as a result of noncompliance with the above.

In the case of a hazardous substance spill, leak or discharge on the designated premises, the improper storage of hazardous substances on the designated premises, or the contamination of the designated premises, by Permittee or its employees, servants, agents, contractors or subcontractors, Permittee agrees to make, or cause to be made, any necessary repairs or corrective actions as well as to clean up and remove any leakage, contamination or contaminated ground. In the case of any hazardous substance spill, leak, discharge or contamination by Permittee or its employees, servants, agents, contractors or subcontractors, which affects other property of City or its tenants' property, Permittee agrees to make, or cause to be made, any necessary corrective actions to clean up and remove any spill, leakage or contamination to the satisfaction of Executive Director. If Permittee fails to repair, clean up, properly dispose of, or take any other corrective actions as required herein, City may (but shall not be required to) take all steps it deems necessary to properly repair, clean up, or otherwise correct, the conditions resulting from the spill, leak or contamination. Any such repair, cleanup or corrective actions taken by City shall be at Permittee's sole cost and expense and Permittee shall indemnify and pay for and/or reimburse City for any and all costs (including any administrative costs) City incurs as a result of any repair, cleanup or correction action it takes.

15. Gates Under Control of Tenants. Permittee shall be responsible for the maintenance and repair of that portion of the Airport perimeter fence, including gates and doors, that are located on the designated premises or controlled by Permittee. Permittee shall comply fully with applicable provisions of the Federal Aviation Administration Regulations, 14 CFR, Part 107 [and Part 108 if Permittee is an air carrier], including the establishment and implementation of procedures acceptable to Executive Director to control access from the designated premises to air operation areas in accordance with the Airport Security Program required by Part 107. Further, Permittee shall exercise exclusive security responsibility for the designated premises and, if Permittee is an air carrier, do so pursuant to Permittee's Federal Aviation Administration approved Air Carrier Standard Security Program used in accordance with 14 CFR, Part 129.

In addition to the foregoing, gates and doors located on the designated premises which permit entry into restricted areas at Airport shall be kept locked by Permittee at all times when not in use or under Permittee's constant security surveillance. Gate or door malfunctions which permit unauthorized entry into restricted areas shall be reported to Department of Airports' Operations Bureau without delay and

shall be maintained under constant surveillance by Permittee until repairs are affected by Permittee or City.

All civil penalties levied by the Federal Aviation Administration for violation of Federal Aviation Regulations pertaining to security gates or doors located on the designated premises or otherwise controlled by Permittee shall be the sole responsibility of Permittee. Permittee agrees to indemnify City for any federal civil penalty amounts City must pay due to any security violation arising from the use of Permittee's leasehold or the breach of any obligation imposed by this Section.

16. Handicapped Access. If for any reason handicapped access requirements are necessitated in existing or future facilities, they will be provided at Permittee's expense.

17. Business Tax Registration. Permittee represents that it has registered its business with the City Clerk of City and has obtained and presently holds from that Office a Business Tax Registration Certificate or a Business Tax Exemption Number required by City's Business Tax Ordinance (Article 1, Chapter 2, Sections 21.00 and following, of City's Municipal Code). Permittee shall maintain, or obtain as necessary, all such Certificates required of it under said Ordinance and shall not allow any such Certificate to be revoked or suspended during the term hereof.

18. Interpretation.

(a) The language of this Permit shall be construed according to its fair meaning, and not strictly for or against either City or Permittee.

(b) The section headings appearing herein are for the convenience of City and Permittee, and shall not be deemed to govern, limit, modify or in any manner affect the scope, meaning or intent of the provisions of this Permit.

(c) If any provision of this Permit is determined to be void by any court of competent jurisdiction, then such determination shall not affect any other provision of this Permit, and all such other provisions shall remain in full force and effect.

(d) It is the intention of the parties hereto that if any provision of this Permit is capable of two constructions, one of which would render the provision void and the other of which would render the provision valid, then the provision shall have the meaning which renders it valid.

(e) This Permit shall be construed and enforced in accordance with the laws of the State of California.

(f) In each instance herein where City's, Board's or Executive Director's approval or consent is required before Permittee may act, such approval or consent shall not be unreasonably withheld.

(g) The use of any gender herein shall include all genders, and the use of any number shall be construed as the singular or the plural, all as the context may require.

(h) It is understood and agreed that nothing herein contained shall be construed to grant or authorize the granting of an exclusive right within the meaning of Section 308 of the Federal Aviation Act.

(i) This Permit shall be subordinate to the provisions and requirements of any existing or future agreement between City and the United States relative to the development, operation or maintenance of Airport.

(j) This Permit and all the provisions hereof shall be subject to whatever right the United States Government now has or in the future may have or acquire affecting the control, operation, regulation and taking over of Airport or the exclusive or nonexclusive use of Airport by the United States during the time or war or national emergency.

19. Other Agreements Not Affected. This Permit, and the terms, conditions, provisions and covenants hereof, shall apply only to the designated premises herein particularly described and shall not in any way change, amend, modify, alter, enlarge, impair or prejudice any of the rights, privileges, duties or obligations of either of the parties hereto, under or by reason of any other agreement between said parties, except that nothing contained in such other agreement shall limit the use by Permittee of the within designated premises for the purpose herein referred to.

20. Notices. Written notices to City hereunder and to the City Attorney of the City of Los Angeles shall be given by registered or certified mail, postage prepaid, and addressed to said parties at Department of Airports, 1 World Way, Post Office Box 92216, Los Angeles, CA 90009-2216, or to such other address as these parties may designate by written notice to Permittee.

Written notices to Permittee hereunder shall be given by registered or certified mail, postage prepaid, and addressed to General Electric Company, 1923 East Avion Street, Ontario, CA 91761, or to such other address as Permittee may designate by written notice to City.

The execution of any such notice by Executive Director shall be as effective as to Permittee as if it were executed by

Board or by Resolution or Order of said Board, and Permittee shall not question the authority of Executive Director to execute any such notice.

All such notices shall be delivered personally to Executive Director or to the Office of the City Attorney, Airports Division, in the one case, or to Permittee in the other case, or shall be deposited in the United States mail, properly addressed as aforesaid with postage fully prepaid by certified or registered mail, and shall be effective upon receipt.

CITY OF LOS ANGELES - DEPARTMENT OF AIRPORTS
INSURANCE REQUIREMENTS

NAME: General Electric Company
AGREEMENT/OR ACTIVITY: Non-Exclusive Right-of-Way License Agreement - ONT.

The insured must maintain insurance coverages at limits normally required of its type operation; however, the following coverages noted with an "X" are the minimum required and must be at least the level of the Combined Single Limit indicated.

LIMITS

_X_ Workers' Compensation (Statutory)/Employer's Liability — Standard
(X) Broad Form All States Endorsement
(X) Voluntary Compensation Endorsement
( ) Longshoremen's and Harbor Workers' Compensation Act Endorsement
( ) _____

_X_ General Liability or Aviation/Airport Liability — $ 4,000,000
_X_ Automobile Liability — $ 4,000,000

(X)	Comprehensive Form or Airport Liab.	(*)	Explosion Hazard
(X)	Premises and Operations	(*)	Collapse Hazard
(X)	Contractual (Blanket/Schedule)	(*)	Underground Hazard
(X)	Independent Contractors	( )	Garagekeepers Legal Liab.
(X)	Products/Completed Operations	( )	Hangarkeepers Legal Liab.
(X)	Broad Form Property Damage	(X)	Owned Automobiles
(X)	Personal Injury	(X)	Nonowned Automobiles
( )	Broad Form Liability Endorsement	(X)	Hired Automobiles
( )	Incident Medical Malpractice	( )	_____

___ Aircraft Liability (Bodily injury and property damage) $
( ) Passenger Liability (per seat) $

___ Fire Legal Liability $
___ Property Insurance — Value of Improvements
___% Co-Ins. ()Actual Cash Value ()Replacement Value ()Agreed Amt.

( )	covering Lessee's improvements		
( )	covering building structure		
( )	All Risk Coverage	( )	Sprinkler Leakage
( )	Fire & Extended Coverage	( )	Flood $_____
( )	Earthquake $_____	( )	Windstorm
( )	Boiler & Machinery	( )	Vandalism & Malicious Mischief
( )	Debris Removal	( )	Other _____

___ Professional Liability $
Discovery Period: _____

___ Crime Insurance $
( ) Comprehensive Dishonesty Disappearance & Destruction
( ) Blanket Crime
___ Fidelity Bond
( ) Blanket Position ( ) Commercial Blanket ( )_____

___ Owner's Protective Liability $

___Other Insurance: _____ $

Comments: * Required if exposure exists.

_____

9/23/89 Term: Beginning July 11, 1990.

MACTEC

engineering and constructing a better tomorrow

January 31, 2006

Mr. Bradley Grubbs
GE Engine Services, Inc.
1923 East Avion Street
Ontario, California 91761

Subject: **Phase I Environmental Site Assessment**
GE Engine Services, Inc.
1923 East Avion Street
Ontario, California 91761
MACTEC Project 4951-05-2921.01

Dear Mr. Grubbs:

Attached is our Phase I Environmental Site Assessment (ESA) report for the above-referenced site. In performing the Phase I ESA, we evaluate whether activities at the site or nearby properties may have contaminated the site's soil or ground water.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in this or similar localities at the time of service. This warranty is in lieu of all other warranties, expressed or implied. This report has been prepared for GE Engine Services, Inc. to be used solely in evaluating potential environmental implications at the subject site. The report has not been prepared for use by other parties, and may not contain sufficient information for purposes of other parties or other uses.

We appreciate the opportunity to work with you on this project. Please contact us if you have any questions or if we may be of further service.

Respectfully submitted,

MACTEC Engineering and Consulting, Inc.

Michael Koepnick
Staff Environmental Scientist

Kathleen A. McDonnell, PG 5871
Principal Geologist

P:\4951_Environmental\2005_proj\52921 (GE Ontario)\4.0 Project Deliverables\4.1 Reports\Final Report
(3 copies submitted)

REPORT OF
PHASE I ENVIRONMENTAL SITE ASSESSMENT

GE ENGINE SERVICES, INC.

1923 EAST AVION STREET
ONTARIO, CALIFORNIA 91761

Prepared for:

GE ENGINE SERVICES, INC.

Ontario, California 91761

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MACTEC Project 4951-05-2921.01

TABLE OF CONTENTS

Section **Page**

EXECUTIVE SUMMARY iv

1.0 INTRODUCTION 1

2.0 PURPOSE, SCOPE, AND REPORT FORMAT 2
2.1 PURPOSE 2
2.2 SCOPE OF WORK 2
2.3 REPORT FORMAT 3

3.0 GEOLOGY, SURFACE DRAINAGE, AND GROUND-WATER FLOW 4
3.1 SURFACE DRAINAGE 4
3.3 GROUND-WATER 4
3.4 POTENTIAL PATHWAYS FOR CONTAMINANT MIGRATION 5
3.5 OIL AND GAS WELLS 5

4.0 REVIEW OF PAST PHASE I REPORT 7

5.0 SITE AND AREA RECONNAISSANCE 10
5.1 SITE RECONNAISSANCE 10
5.1.1 Site Description 10
5.1.1.1 Hangars 11
5.1.2 Aboveground and Underground Storage Tanks 15
5.1.3 Hazardous Substances and Petroleum Products 15
5.1.4 Solid Waste 15
5.1.5 Electrical Transformers 16
5.1.6 Utilities 16
5.1.7 Wetlands 16
5.1.8 Air Emissions 16
5.1.9 Wells and Mine Shafts 16
5.1.10 Pits, Ponds and Lagoons 16
5.1.11 Wastewater/Effluent Discharge 17
5.1.12 Sensitive Receptors 17
5.1.13 Asbestos 17
5.1.14 Lead-Based Paint 17
5.1.15 Dry Cleaning 17
5.1.16 Other 17
5.2 AREA RECONNAISSANCE 18
5.2.1 North 18
5.2.2 East 18
5.2.3 South 18
5.2.4 West 18
5.2.5 Summary of Area Reconnaissance 18

6.0 HISTORICAL REVIEW 19
6.1 PAST SITE USE 19
6.2 PAST USE OF SURROUNDING PROPERTIES 20

7.0 REGULATORY AGENCY INFORMATION 21
7.1 FEDERAL CONTACTS 21
7.2 STATE CONTACTS 23
7.3 OTHER LISTS 26
7.4 AGENCY CONTACTS 29
7.5 SUMMARY OF RECORDS REVIEW 30

8.0 FILE REVIEW SUMMARY 31
8.1 RWQCB – SANTA ANA REGION 31

8.2 DTSC – CYPRESS OFFICE 32
9.0 CONCLUSIONS AND RECOMMENDATIONS 35
10.0 LIMITATIONS 38
11.0 INFORMATION SOURCES 39

LIST OF FIGURES

Figures

1 Site Location Map
2 Site and Vicinity Sketch

APPENDIX A: PHOTOGRAPHS
APPENDIX B: THE EDR-RADIUS MAP WITH GEOCHECK®
APPENDIX C: THE EDR-HISTORICAL TOPOGRAPHIC MAP REPORT
APPENDIX D: THE EDR-AERIAL PHOTOGRAPH DECADE PACKAGE

EXECUTIVE SUMMARY

GE Engine Services, Inc., engaged MACTEC Engineering and Consulting, Inc. (MACTEC) to perform a Phase I Environmental Site Assessment (ESA) of GE Engine Services, Inc. (SITE), located at 1923 East Avion Street in the City of Ontario, San Bernardino County, California. Our services were provided in general accordance with MACTEC Proposal 4951-05-9421R dated September 13, 2005.

This executive summary is a synopsis of findings based on our Phase I ESA. For detailed information regarding the findings, please refer to the text of our report.

The SITE is located off Avion Street in the City of Ontario, San Bernardino County, California. The SITE is comprised of approximately 30 structures, including 4 large steel corrugated Hangars (each at least 24,000 sq. ft), an Administrative building attached to Hangar 5, a Health Services/Medical building, a Hazardous Materials and Waste Canopy, an IT/Data Processing building, a Wastewater Treatment building, a Facility Maintenance building, an Air Compressor building, a Flowroom building (Fuel nozzle purging, Gear box tooling, Oil check machines, etc.), various warehouse buildings, repair buildings, cleaning areas, labs, offices, a janitorial supply canopy, and other small electrical sheds, etc. Hangars 2 and 3 are no longer used for operations, just for storage of supplies, inventory, and maintenance equipment. Hangars 1 and 5 are in full operation of assembly and disassembly of aircraft engines. Many of the other buildings at the SITE are vacant or sparsely used. One main hazardous materials and waste canopy exists just southeast of Hangar 3. Other 'Hazardous Waste Satellite Accumulation Areas' are found throughout the SITE inside the Hangars, lab testing areas, and cleaning areas, etc. Hangar 5, which is adjoined by the Administrative building, is the only structure at the SITE with a second floor (offices, records retention).

The SITE is located in an area surrounded by similar commercial and industrial buildings and the Ontario International Airport.

- North: Asphalt-covered lots and roads and the Ontario International Airport;
- East: An open asphalt-covered lot, Hangar 4 (no longer part of the SITE), and then Mercury Air Center, Inc.
- South: A blacktop parking lot for the SITE (good condition near the Admin bldg., more cracks and weeds as you go further south) and East Avion Street. Across East Avion Street to the south and southeast are other commercial businesses, including Airport Group International, Inc. (south/southwest – closest building south of the SITE), and others. South of these businesses is the Union Pacific Railroad. Mission Boulevard is located beyond the railroad tracks.
- West: To the west of the SITE are other airport buildings and commercial businesses, such as Guardian Jet Center (west/southwest).

The SITE is an office and overhaul plant for GE Engine Services, Inc. Aircraft engines are assembled and disassembled here for maintenance and repair. Parts and supplies for these operations are stored, tested, and calibrated at the SITE. Many chemicals are used in operations at the SITE for purposes extending from lubrication of machine parts, cleaning, and treating wastewater. Chemicals used include: Propane, Potassium Hydroxide (KOH), Sulfuric Acid (H^2SO^4), Castrol Oil, Zyglo Penetrant, Magna Flux Zyglo Remover, Cimperial, Triton, Heavy Duty Stripper, Cee Bee, Calcium Hydroxide, Diamond Crystal with softener care additives, Oxygen, Versene, and various other oils, grease, solvents, and polymers, etc.

Based on historical research, the SITE was first developed with buildings in approximately 1949. The 1949 aerial photograph is the earliest aerial photograph MACTEC reviewed that shows structures at the SITE location. In the 1949 photo, aircraft are visible parked to the northwest of Hangars 1 and 2. Topographic maps of the area prior to this time were reportedly altered during World War II for security measures and may not accurately depict SITE conditions during that timeframe. The topographic maps indicate that prior to 1949 the area where the SITE is currently located was an open area. In approximately 1949, Northrop Aircraft Company began aircraft manufacturing operations on the northern side of the SITE in Hangars 1 and possibly Hangar 2. Hangar 3 appears to have been constructed in approximately 1953. The Regional Water Quality Control Board (RWQCB) indicates that Douglas occupied Hangar 2 in the early 1950s.

By 1955, General Electric Engine Services, Inc., (GEES) was reported to have moved their operations to the SITE replacing both Northrop and Douglas. Aerial photos indicate that the Stockroom (former Hangar 4 – no longer part of SITE) was constructed sometime in the mid-1950s to 1960s. Meredith/Boli Associates (MBA) stated in their 1992 report that from approximately 1956 to 1980, Lockheed Aircraft Service Company occupied the Stockroom building. GEES began operations in the Stockroom in approximately 1980. Hangar 5 and the Administrative building are not visible until the 1989 aerial photograph. Mr. Bradley Grubbs, Environmental Health and Safety (EHS) Site Focal Point for GE Engine Services, Inc., stated that these buildings were the most recently constructed buildings at the SITE (circa 1980).

The number of USTs that may have historically existed at the SITE is unclear. The EDR report states that the SITE is found on the CA HIST UST list (California Historical USTs) which claims that 17 USTs have existed at the SITE. EDR also reports the SITE is found on the SWEEPS UST list (another state list, no longer maintained) which claims 14 USTs to have existed at the SITE. Harding ESE, in their 2002 Phase I ESA, identified 15 USTs that historically existed at the SITE. They reported that all USTs had been properly removed or abandoned in place and had received acceptance of certification of closure from the DTSC in 1994. Mr. Bradley Grubbs of GE was unsure of how many USTs had historically been at the SITE; however he did confirm a finding from DTSC that one UST was abandoned in place underneath the Cleaning Line. This is the only UST Mr. Grubbs believed to still be present at the SITE.

MACTEC observed pole and pad-mounted electrical transformers throughout the SITE. All observed pad mounted transformers were dry-type, containing no PCBs. Some staining was observed near one of the pole mounted transformers near Hangar 2. The stains appeared to be dry and old. All transformers are owned and operated by Southern California Edison (SCE). SCE maintains that none of its transformers currently contain PCBs. MACTEC did not observe any leaks or stains on or around these transformers, other than what was mentioned.

The SITE was listed in the CERC-NFRAP, CORRACTS, RCRA-TSD, RCRA-Large Quantity Generator, ERNS, CA Bond Expenditure Plan, CA FID UST, HIST UST, SWEEPS UST, FINDS, TRIS, EMI, and San Bernardino County Hazardous Materials Permit databases. These listings are associated with historical environmental issues. Numerous off site properties including the Ontario International Airport are listed on various regulatory environmental databases. Based on MACTEC's review, these listed properties are not anticipated to be recognized environmental conditions (RECs) relative to the SITE.

MACTEC's investigation identified the following recognized environmental conditions (RECs), as defined by ASTM:

- Some cracks were observed in the floor inside Hangar 3 where contaminants could potentially seep through. The Hangar is a former machine shop, so oils and other chemicals may have been used. Based on this and the assessment made in the Harding ESE Phase I ESA dated September 26, 2002, detailing high ion counts of Trichloroethene (TCE) and intermediate ion counts of Tetrachloroethene (PCE) detected from Petrex static soil-gas devices in the soils southeast and southwest sides along Hangar 3.
- Inside Hangar 5, on the northwest side of the building, are former locations of a bearing cleaning room and a paint booth. These types of areas use many chemicals for operations. Also, this area currently houses a machine shop, and oil staining on the floor was observed near some machines.
- Inside Hangar 5 is the Campbell Grinder Room. Commonly, this type of area uses hazardous chemicals, such as oils, lubricants, and solvents. If any small cracks exist in the floor, the soil beneath could potentially be impacted. At the time of our reconnaissance, some floor areas were not visible as they were covered with machines, pallets, and oil/clean sweep material. We did not observe any significant cracking in the floors of Hangar 5.
- Plasma spraying reportedly took place in Hangar 2. This is generally more of a health and safety issue during spraying; however, a residue may still be present or may have washed into cracks in the floors, if any exist. A review of former files at the SITE should be performed to determine the type of spray utilized (aluminum, etc.), and potential for environmental impact.
- An Asbestos Exposure Assessment completed March 9, 2004 by Integrity Environmental Consultants Inc. showed that asbestos tiles exist in the Data Processing Building.
- The Cleaning Area inside the Hangar 1 Annex uses Hydroxide and vapor degreasers to clean parts. In the past, TCE and other hazardous solvent chemicals were used. The adjacent cleaning area on the southeast side of the Hangar 1 Annex used to be outside, where water was washed onto the pavement and ground surface.
- The Flowroom on the northeast side of Hangar 1, currently housing the Fuel Nozzle Purging area and Gear Box Tooling Room, is also the former location of a bearing cleaning area, a finger print neutralizer tank, a solvent tank, and a preservative oil tank. The Flowroom also used to be home to the Thermal Couple Room.
- The 1953 aerial photograph shows aircraft parked in the area immediately west of Hangar 3 on a surfaced area. Based on the 1953 DWR report it was a common practice to wash aircraft at these facilities. Wastewater discharged from aircraft washing operations exceeded the State's limits for phenols. Discharges were to unlined ditches and sumps. The DWR report states that in 1953 the groundwater was not impacted.
- The number of USTs to have historically existed at the SITE is unclear. Listings in the EDR report state that the SITE has historically maintained 14-17 USTs. Mr. Bradley Grubbs of GE was unsure of how many USTs had historically been at the SITE. Harding ESE reported in their 2002 Phase I ESA that 15 USTs historically existed at the SITE. They reported that all USTs had been properly removed and had received acceptance of certification of closure from the DTSC in 1994. This closure letter for 15 USTs at the SITE was not located by MACTEC. This issue should be researched further to confirm the historical and current presence of USTs at the SITE.
- A Closure Plan for the T-58 Test Cell Sump at the SITE was approved in a letter from the DTSC on August 6, 1992. GE committed in the work plan, through Dames and Moore, Inc., to conduct research to assess the quantity of wash water discharged into the sump on an annual basis. Also, GE commissioned the drilling of a boring beneath the former sump to

investigate vertical migration of contaminants. No further documentation regarding work performed or a Final Closure Report was located by MACTEC.

- Records indicate that in the 1950s, former SITE occupants Northrop Aircraft Corporation and McDonnell Douglas Aircraft Company routinely discharged industrial waste into the ground. The 2 former facilities were cited as 'probable sources of contaminants in the ground water', and requested to submit technical reports by the RWQCB. Northrop and McDonnell Douglas discharged wastewaters from aircraft washing to unlined ditches and sumps, the exact location of which can not be determined from historical records and aerial photographs.
- MACTEC recommends that a Work Plan be prepared to assess potential recognized environmental concerns addressed in this report. The Work Plan should include soil gas surveys and soil sampling, following all applicable state and local regulatory requirements.



1.0 INTRODUCTION

GE Engine Services, Inc., engaged MACTEC Engineering and Consulting, Inc., (MACTEC) to perform a Phase I Environmental Site Assessment (ESA) of GE Engine Services, Inc., located on East Avion Street in the City of Ontario, San Bernardino County, California. The work was performed under MACTEC Proposal number 4951-05-9421R that was authorized by GE Engine Services, Inc., on September 22, 2005. If other parties wish to rely on this report, please have them contact us, so we can execute a secondary client agreement.

2.0 PURPOSE, SCOPE, AND REPORT FORMAT

2.1 PURPOSE

The purpose of our Phase I ESA is to identify recognized environmental conditions resulting from past or present activities on the site or nearby properties. We performed a non-invasive survey to identify obvious sources of contamination (actual and potential) from hazardous wastes and hazardous constituents from both on- and off-site activities. The scope of services was performed in general accordance with ASTM Designation E 1527-00 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.*

2.2 SCOPE OF WORK

A Phase I ESA is intended to be a general characterization of selected environmental concerns. The characterization is based on readily ascertainable information and SITE observations. The assessment included the following services:

- **Geology, Surface Drainage, and Ground-Water Flow Assessment** — We reviewed available information regarding the geology, surface drainage, and ground-water flow within the area of the site. An interpretive model of the subject property was then generated based on the information gathered. The interpretive model was then used to identify possible pathways along which contaminants, if present, may migrate.
- **Site and Area Reconnaissance** — MACTEC employees experienced in Phase I ESAs conducted a site reconnaissance of readily accessible areas. The objective of this reconnaissance was to identify obvious sources of contamination (actual and potential) at the site that could become environmental liabilities. We looked for signs of disturbances, stained soil, stressed vegetation, and other similar, obvious surficial evidence of potential contamination. The purpose of this work was not to determine the presence, degree, or extent of contamination at the site. This would require additional assessment including sampling and chemical analyses.

  During the site reconnaissance, we looked for fluid-containing major electrical devices (e.g., transformers or capacitor banks) likely to contain polychlorinated biphenyls (PCBs). The PCB status of these devices was noted based on labeling, and we made note of the general conditions of these devices, including evidence of leakage. We did not assess minor suspect PCB items such as fluorescent light fixture ballasts, or sample or test dielectric fluids.

  During the site reconnaissance, we also looked for evidence of aboveground storage tanks (ASTs) and underground storage tanks (USTs) such as vent pipes, fill pipes, fuel dispensers, and other obvious evidence of ASTs and USTs.

We also conducted an area reconnaissance to assist in assessing if adjacent or nearby land uses may have contaminated the site. The area reconnaissance was conducted by touring the area by automobile and viewing particular businesses from public rights-of-way. Off-site properties were not entered.

- **Historical Review** — We reviewed past activities that occurred on or near the site to assess whether these past activities may have contaminated the site's soil or ground water.

  We consulted selected references to infer past land uses on or near the site that might have contributed to soil or ground-water contamination at the site. We used the following types of references and information (depending on availability):

  - Aerial photographs
  - City directories
  - Sanborn fire insurance maps
  - Building permits
  - Interviews with property management
  - Information you provide
  - Oil well maps, ground-water maps, and water well data

- **Regulatory Agency Information** — We reviewed site specific excerpts from lists published by environmental regulatory agencies. We looked for listed information on the site or nearby properties that indicated known or suspected environmental concerns. If nearby properties were listed, we assessed their potential for contaminating the site's soil or ground water. We also contacted various regulatory agencies to document whether files were available for the SITE.

- **Review of Previous Phase I Report** — We reviewed the previous Phase I report prior to performing the site and area reconnaissance and summarized the findings of the previous report in our current Phase I ESA report.

Our scope of services did not include the sampling or laboratory analysis of soil or ground water, or a limited asbestos and lead paint survey at the site.

2.3 REPORT FORMAT

Our report contains the following assessment sections:

- Geology, Surface Drainage, and Ground-Water Flow
- Site and Area Reconnaissance
- Historical Review
- Regulatory Agency Information

An evaluation section includes conclusions and recommendations based on the assessment sections. A statement of interpretive limitations follows the recommendations.

3.0 GEOLOGY, SURFACE DRAINAGE, AND GROUND-WATER FLOW

A consideration of surface and subsurface drainage and geology are of interest because they provide an indication of the direction that contaminants, if present, could be transported.

3.1 SURFACE DRAINAGE

The site is situated at an elevation of approximately 910 feet above mean seal level and slopes gently toward the south. Surface drainage is controlled by curbs, gutters, and drain inlets and is discharged to the municipal storm drain system. The nearest drainage feature to the site is Cucamonga Creek, which drains toward the south and is located approximately 1,500 feet east of the site.

3.2 GEOLOGY

Regionally the site is located in the Transverse Range Geomorphic Province. Situated at the southern base of the east-west trending San Gabriel Mountains, the site is located on the uplifted Chino block. The Chino block (or Chino Hydrologic basin) is a south-facing, broad-asymmetrical alluvial fan complex with the primary depositional axis closest to the mountain front. Geologic materials that were primarily derived from the uplifted San Gabriel mountains consist of unconsolidated to consolidated Holocene and Quaternary-age alluvium that make up a series of water bearing aquifers intermixed by discontinuous aquicludes.

Investigations conducted in various areas of the Chino Basin suggest that alluvial deposits extend to depths ranging from approximately 700 feet to 2,000 feet. The alluvial material is composed of sediment produced primarily by erosion of the San Gabriel Mountains. Because of the rapid uplift of the San Gabriel Mountains, and their close proximity to the Chino Basin, sediment deposited in the basins is very coarse with gravels and sands as the dominant materials.

3.3 GROUND-WATER

Two important factors affecting the ground-water flow are the local topography (the slope of the land surface) and the depositional direction (the direction in which water-bearing sediments were deposited). The topography and depositional direction are important because they influence the net

direction of ground-water flow, although, in some situations, other factors (such as faults, bedrock structures, and local ground-water pumping and/or injection) may override them. Ground-water flow is a major factor in the spread of contaminants underground.

Groundwater in the basin is contained in alluvial aquifers created by the approximately 1,000 to 2,000 feet of alluvial sediments. The uppermost aquifer is reported to be unconfined and is saturated at a depth of approximately 250 to 350 feet below ground surface. The groundwater aquifers are recharged in a small part by surface water infiltration and to a much larger extent by runoff from the nearby San Gabriel Mountains during storm events.

The Site is in the Chino Basin Watermaster Water Management Zone Number 2. Chino Basin Watermaster Optimum Basin Management Program Draft Report indicates that groundwater is located 625 feet below ground surface. The water table in the City of Ontario, which is in close proximity to the Site, occurs approximately 250 to 300 feet below ground surface. The groundwater at GE's test cell facility located 0.25 miles southeast of the Site is at approximately 250 feet below ground surface. The gradient of the water table beneath the Site is generally to the southwest (Dames and Moore, 1992). Chino Basin Watermaster reports that the gradient throughout the Chino Basin is south/southwest.

3.4. POTENTIAL PATHWAYS FOR CONTAMINANT MIGRATION

Local pathways of contaminant migration probably follow the topography, the ground-water gradient, the depositional direction, and/or the orientation of bedrock joints and fractures. The contaminant sources most likely to affect the site are either up gradient, up slope (of the surface drainage), opposite the depositional direction, and/or along bedrock structure trends. Based on the information presented above, it is our opinion that the probable direction of contaminant migration underground is toward the south, which is the anticipated direction of shallow ground-water flow.

3.5 OIL AND GAS WELLS

Oil and gas wells are potential concerns when they seep oil or gas, are not abandoned to current regulations, or have associated surface contamination. They may also be associated with methane hazards. This section discusses the oil wells reported on the records we reviewed. Unreported "wildcat" oil wells could be on or near the site.

The site is not located in an oil or gas field. No documented wells have been drilled within 1 mile of the site. The nearest well is the "Argyle Campbell & Co." well located approximately 6,500 feet east-northeast of the site. The well, which was drilled in 1954, is designated as plugged and abandoned (*CDOG, 1996*).

4.0 REVIEW OF PAST PHASE I REPORT

For the purpose of this Phase I Environmental Site Assessment, MACTEC reviewed a past Phase I Report, conducted by Harding ESE, Inc., (Harding ESE) in 2002 (submitted November 4, 2002). Harding ESE prepared a Phase I ESA for three specific buildings located at the GEES facility, 1923 East Avion Street, Ontario, California. The Area of focus for their report included Hangar 3, Tool Control and Stockroom (former Hangar 4). Since Hangar 4 is no longer part of the SITE, the findings from the Harding ESE Phase I discussed below will focus on Hangar 3 and other pertinent information regarding the current SITE.

Based on Harding ESE's research, the SITE was first developed with buildings in approximately 1948. The 1948 aerial photograph is the earliest aerial photograph Harding ESE could obtain and shows that Hangars 1 and 2 had been constructed with open areas east and south of these buildings. In the 1948 photo, aircraft were visible parked to the northwest of Hangar 1. Topographic maps of the area prior to this time were reportedly altered during World War II for security measures and may not accurately depict SITE conditions during that timeframe. According to Harding ESE, topographic maps indicate that prior to 1948 the area where the SITE is currently located was an open area.

In approximately 1948, Northrop Aircraft Company began aircraft manufacturing operations on the northern side of the site in Hangars 1 and possibly Hangar 2. In the late 1950's or early 1960's the first section of Tool Control was constructed approximately 25 feet west of Hangar 1. The rest of Tool Control was constructed before 1968. Harding ESE states that Hangar 3 appeared to have been constructed in approximately 1952. Meredith/Boli Associates (MBA) in their report stated that Douglas Aircraft was reported to have begun operations on the southern side of the Site in approximately 1952. Harding ESE made several inquiries to determine which building Douglas occupied. Harding ESE could not determine whether Douglas occupied Hangar 2 or Hangar 3. The MBA report indicated that Douglas occupied Hangar 3. The Regional Water Quality Control Board (RWQCB) indicated that Douglas occupied Hangar 2. Harding ESE contacted the Ontario Airport and the City of Ontario and neither had records detailing Douglas' occupancy. Based on the RWQCB information, the 1953 Division of Water Resources report, and the aerial photograph review, Harding ESE believed that Douglas occupied Hangar 2.

By 1955, General Electric Engine Services, Inc., (GEES) was reported to have moved their operations to the SITE replacing both Northrop and Douglas. Aerial photos reviewed by Harding ESE indicated that the Stockroom (former Hangar 4 – no longer part of SITE) was constructed sometime in the mid-1950s to 1960s. MBA reported that from approximately 1956 to 1980, Lockheed Aircraft Service Company occupied the Stockroom building. GEES began operations in the Stockroom in approximately 1980.

Harding ESE conducted its inspection on October 10 and 18, 2001 that included walking the grounds of their Area of Focus, performing a drive-by reconnaissance of the adjacent properties and conducting a limited walk through inspection of the grounds of the facility. During the inspection, evidence of clarifiers or USTs was not observed in their Area of Focus. No chemically stained surfaces or stressed vegetation were observed. No evidence of groundwater monitoring wells was observed in the Area of Focus either.

Harding ESE identified 15 USTs that historically existed at the SITE. They reported that all USTs had been properly removed and had received acceptance of certification of closure from the DTSC in 1994.

The Harding ESE 2002 Phase I Report concluded the following potential RECs:

- The 1953 aerial photograph shows aircraft parked in the area immediately west of Hangar 3 on a surfaced area. Based on the 1953 DWR report it was a common practice to wash aircraft at these facilities. Wastewater discharged from aircraft washing operations exceeded the State's limits for phenols. Discharges were to unlined ditches and sumps.
- The Draft 1993 California Regional Water Quality Control Board (RWQCB), Santa Ana Region, report indicates that: high ion counts of Trichloroethene (TCE) were detected from Petrex static soil-gas devices in the soils southeast and southwest sides along Hangar 3. Intermediate ion counts of Tetrachloroethene (PCE) were detected in samplers along the southwest side and southeast side of Hangar 3. The RWQCB indicated it felt Northrop manufacturing activities caused the contamination.
- The Site including Hangar 3 and Tool Control were not connected to the City of Ontario sewer system until 1985. Reports on the location or closure of septic tanks or leach fields associated with the Area of Focus could not be located

- The 1949 aerial photograph shows aircraft parked in the area currently occupied by Tool Control. The photograph shows that the soil is darkened/discolored in an area directly west of Hangar 1 or in the present location of Tool Control.
- Northrop and Douglas are listed in the California SLIC listing for activities while at the site. SLIC contains information regarding properties that have impacted groundwater or have the potential to impact groundwater. As previously stated, Northrop and Douglas discharged wastewaters from aircraft washing to unlined ditches and sumps, the location of which can not be determined. (Division of Water Resources report).
- A 1990 sewer and plumbing facility diagram by the firm Gabel, Cook, and Becklund indicates that a "sump" was located approximately 25 feet east of Tool Control between Flow Control at the northern end of Hangar 1(these buildings are not included in the Area of Focus). The sump was identified during the Site investigation. The sewer line for this sump runs beneath Tool Control. The sump and associated sewer line have the potential to have impacted soils associated with Tool Control. Harding ESE could not determine if the sump was active and did not identify sampling data or closure information for this sump during the ESA.

5.0 SITE AND AREA RECONNAISSANCE

In performing the site and area reconnaissance, our assessor describes the site and looks for obvious signs of items that may be a source of environmental concern, such as aboveground storage tanks (ASTs), underground storage tanks (USTs), hazardous materials, and hazardous wastes.

Some of the items or activities we observe on the site may be associated with environmental concerns. Certain businesses or occupations may typically use hazardous substances or create hazardous waste. Storage tanks may leak and contaminate soil and ground water. Other signs of potential environmental concerns include unusual odors, pools of liquids, drums, unidentified containers, items that may contain polychlorinated biphenyls (PCBs), stains or corrosion, and drains or sumps.

Ms. Kathleen McDonnell and Mr. Michael Koepnick, both MACTEC environmental professionals experienced in similar site assessments, performed the reconnaissance on October 11, 2005. Mr. Bradley Grubbs and a GE Engine Services intern from UC-Riverside escorted the MACTEC employees during the reconnaissance, and answered questions about the SITE and its operations.

For a depiction of the site and surrounding properties, see Figure 1, Site Location Map and Figure 2, Site Vicinity.

5.1 SITE RECONNAISSANCE

5.1.1 Site Description

The SITE is located off Avion Street in the City of Ontario, San Bernardino County, California. The SITE is comprised of approximately 30 structures, including 4 large steel corrugated Hangars (each at least 24,000 sq. ft), an Administrative building attached to Hangar 5, a Health Services/Medical building, a Hazardous Materials and Waste Canopy, an IT/Data Processing building, a Wastewater Treatment building, a Facility Maintenance building, an Air Compressor building, a Flowroom building (Fuel nozzle purging, Gear box tooling, Oil check machines, etc.), various warehouse buildings, repair buildings, cleaning areas, labs, offices, a janitorial supply canopy, and other small electrical sheds, etc. Hangars 2 and 3 are no longer used for operations, just for storage of supplies,

inventory, and maintenance equipment. Hangars 1 and 5 are in full operation of assembly and disassembly of aircraft engines. Many of the other buildings at the SITE are vacant or sparsely used. One main hazardous materials and waste canopy exists just southeast of Hangar 3. Other 'Hazardous Waste Satellite Accumulation Areas' are found throughout the SITE inside the Hangars, lab testing areas, and cleaning areas, etc. Hangar 5, which is adjoined by the Administrative building, is the only structure at the SITE with a second floor (offices, records retention).

The SITE contains office and overhaul areas for GE Engine Services, Inc., Aircraft engines are assembled and disassembled here for maintenance and repair. Parts and supplies for these operations are stored, tested, and calibrated at the SITE. Many chemicals are used in operations at the SITE for purposes extending from lubrication of machine parts to cleaning to treating wastewater. Chemicals used include: Propane, Potassium Hydroxide (KOH), Sulfuric Acid (H^2SO^4), Castrol Oil, Zyglo Penetrant, Magna Flux Zyglo Remover, Cimperial, Triton, Heavy Duty Stripper, Cee Bee, Calcium Hydroxide, Diamond Crystal with softener care additives, Oxygen, Versene, and various other oils, grease, solvents, and polymers, etc.

MACTEC observed pole and pad-mounted electrical transformers throughout the SITE. All observed pad mounted transformers were dry-type, containing no PCBs. Some staining was observed near one of the pole mounted transformers near Hangar 2. The stains appeared to be dry and old. All transformers are owned and operated by Southern California Edison (SCE). SCE maintains that none of its transformers contain PCBs. MACTEC did not observe any leaks or stains on or around these transformers, other than what was mentioned.

5.1.1.1 Hangars

Hangar 1 – The 25,752 sq. foot Hangar 1 houses the areas for assembly and disassembly of engine fans, amongst other office, cleaning bay, and hazardous waste satellite storage areas. The floors inside Hangar 1 are concrete, and appeared to be in good condition.

An annex to Hangar 1 exists on the southeast side of the building. This 12,600 sq. foot annex was added to Hangar 1 sometime between 1953 and 1968 (by aerial photographs) for more operations and storage room. Assembly and disassembly of gear boxes is the main operation in the annex. It has its own hazardous waste satellite storage area and a cabinet for flammable materials storage. Within the annex to Hangar 1 are also heavy cleaning and

inspecting areas. The inspection area is where a penetrant solution is sprayed onto the parts of the engine fan border to alleviate imperfections and such. Trench drainage exists in the floor underneath this area, where the wastewater and chemicals are collected and pumped to the wastewater treatment building. In this inspection area is also a mag-particle machine and a demagnetizing unit.

Also in the annex is a cleaning area for decoking carbon buildup. In this area are tanks of hot and cold water, and sodium hydroxide for removing grease and oil. Once again, trench drainage exists, with the wastewater and chemicals being pumped to the wastewater treatment building. Adjacent to this decoking area is a steam cleaning area that also drains to the wastewater treatment building. These areas use many chemicals in current cleaning operations. Historically, TCE and other heavy solvents have also been used here.

Hangar 1 annex also has an attached adjacent 9,000 sq. foot building called the Balance Area. In this area, parts are inspected and stored. A heat treating oven is used here, and other areas are used for welding.

Hangar 1 also has an adjacent 4,110 sq. foot office building on the west, and a 5,050 sq. foot building on the east called the Flowroom. The Flowroom is the former location of the bearing cleaning area, the finger print neutralizer tank, a solvent tank, and a preservative oil tank, amongst other chemicals. It was also formerly the Thermal Couple room. Currently, the Flowroom is used as a fuel nozzle purging area, where fuel nozzles are cleaned with nitrogen gas and oil. Hazardous waste drums are located in the fuel nozzle purging area, used for oily rags, clay absorbents, and solvent rags. One flammable materials storage cabinet exists in the fuel nozzle purging area. Also in the Flowroom is the Gear Box Tooling Room. This room is where assembly of gear boxes occurs.

Adjacent northwest of Hangar 1 are 4 warehouse buildings. These connecting buildings serve as storage areas for parts and supplies, and also as a customer hold area.

Hangar 2 – The 24,272 sq. foot Hangar 2 no longer houses operations. It sits southeast adjacent to Hangar 5, and instead is used for storage of parts, supplies, and inventory. Hangar 2 is however, the former location of Plasma Spraying at the SITE. No significant cracks in the floor were noted on the day of our visit. Included in the supply storage in

Hangar 2 is a 'Cold Room', where certain chemicals and heat sensitive sealers and epoxies are stored in refrigerators and freezers. Other chemicals are stored in this room in no refrigerated areas as well, including grease, oil, lubes, epoxy, primer, alodine, and others. Five flammable material storage cabinets are in this room for various chemicals. The floors inside the Hangar 2 Cold Room are concrete, and appeared to be in good condition.

Adjacent northeast of Hangar 2 is the associated 6,849 sq. foot Hangar 2 Office building. Also, adjacent southeast of Hangar 2 are the two Shipping/Receiving areas. These areas contain pallets of supplies and other parts. Southwest adjacent to Hangar 2 is the NDT (Non-Destructive Testing) Lab. This lab is currently largely unused, though much of the machinery is still present. An ultrasonic cleaner that is no longer used was observed in the lab, as was a testing area with cleaning supplies. Mr. Grubbs also informed us that one of the vacant rooms was a former X-Ray Room. Also observed in the lab was what appeared to be a former containment area. The floor was concrete in this rectangular area, and remnants of a metal border were evident. It was unknown by Mr. Grubbs what this may have been. One Industrial Oven in the lab is still periodically in use, but otherwise the NDT Lab was mostly vacant.

Also southwest adjacent to Hangar 2, just north of the NDT Lab, is the former Health/Medical building. This building has been vacant of operations for approximately 4-5 years, according to Mr. Grubbs. Southwest of this former Medical building is the current Health/Medical Systems building. This building has office and classroom areas, as well as a receptionist/lobby area leading into the treatment/examination rooms.

South adjacent to the Medical Systems building is the Facility Maintenance building. Facilities Maintenance is where parts and supplies are stored, along with tools and some cleaning and pesticide chemicals (in a flammable materials storage cabinet). A machine shop is located in the back of the building. In this area, the ceiling and walls are covered with what appeared to be a flame retardant insulation. A significant amount of oil and oil staining was observed on the floors and walls of the machine shop.

Hangar 3 – Like Hangar 2, the 24,272 sq. foot Hangar 3 no longer houses operations, instead it is used for storage of supplies, tools, and inventory. The floor is concrete, like the other Hangars, but more cracking was evident here. Hangar 3 was formerly used a machine shop,

among other things, so it is possible that contamination could've seeped through the cracks in the floor. Soil gas samples may be recommended in random places of Hangar 3. Hangar 3 was also targeted by Harding ESE, Inc., (now MACTEC) in a Phase I ESA Report dated September 26, 2002 as being the location of possible RECs, discussed in section 4.0.

Hangar 5 – Hangar 5, which connects to the Administration building, houses the 'flow line' areas for assembly and disassembly of aircraft engines, hazardous waste satellite storage areas, testing labs, classrooms, a company store, and a 2nd floor of offices and a records retention area. Hangar 5 also connects to Hangar 2 (southeast). Hangar 5 and the adjoining administration building are the 2 most recently constructed buildings at the SITE.

One of the testing labs in Hangar 5 is the Metrology Lab. This lab has coated flooring, and is used for tools and equipment calibration. Within this lab are a Mercury Barometer room and a possible former bearing cleaning area. Hazardous waste drums in the lab are used for oily rags and solvent. A floor drain was present with a strange circular depression outlining it.

Also in Hangar 5 is a machine shop. Many new and old machines are in the shop area. It is possible that some of the old machines contain oil that may, or may have, contained PCBs. Leaking was observed around some of the machines. It appeared to be minor oil leaking. Various parts storage, and a flammable materials storage cabinet also are present in the machine shop area. Though some oil staining, the concrete floor inside Hangar 5 appeared to be in good condition.

Throughout Hangar 5 are flammable material storage cabinets and hazardous material satellite accumulation areas for aerosol cans, oily rags, etc. The concrete floor in this Hangar appeared to be in decent condition, with many floor drains throughout the operation areas.

The Campbell Grinder room is also located in Hangar 5. This is where parts are milled into tolerance to eliminate imperfections. The Grinder machine emits a mist of oil to lube the parts during the operation. This results in some leaking around the machine. A catch system and clay absorbents are placed around the base of the Grinder to catch most of the oil.

5.1.2 Aboveground and Underground Storage Tanks

Many above ground storage tanks (ASTs) were observed at the SITE during the site reconnaissance. Two 1300 gallon Propane tanks exist just east/southeast of Hangar 2, and a 50,000 gallon wastewater tank exists in the wastewater treatment building on the northeast side of the SITE, adjacent to Hangar 1. Inside the wastewater treatment building is a 6000 gallon tank of Potassium Hydroxide, and other 6000 gallon tanks of Metal Hydroxide Sludge, Spent Sodium, Spent Caustic, Sodium Metabisulfate, Spent Acid, Effluent tanks with pH adjusters, etc. A 2000 gallon tank of Sulfuric Acid, used for various cleaning operations in the Cleaning Area, is located in the Hangar 1 Annex.

No evidence of underground storage tanks (USTs) was observed at the SITE during our reconnaissance. Mr. Grubbs did confirm that one UST was abandoned in place underneath the Cleaning Line. This is the only UST Mr. Grubbs is aware of at the SITE.

5.1.3 Hazardous Substances and Petroleum Products

The SITE has designated areas for Hazardous Materials and Hazardous Waste, and many Flammable Material storage cabinets throughout. The Hazardous Materials and Waste canopy, just east of Hangar 3, houses a multitude of 5 gallon buckets and 55 gallon drums of various oils and chemicals used in operations. Waste oil and other hazardous materials waste is also stored here in 55 gallon drums. Concrete secondary containment surrounds the Hazardous Waste area. Many other 32 gallon plastic containers of solvents and other cleaning agents are housed in the Hazardous Materials area as well. Other 'Hazardous Waste Satellite Accumulation Areas' are found throughout the SITE inside the Hangars, lab testing areas, and cleaning areas, etc. These areas contain several 55-gallon drums for items such as oily rags, used aerosol cans, batteries, fluorescent bulbs, ballast, high pressure bulbs, etc. No leaking or significant staining was observed at any of the hazardous materials or waste storage areas.

5.1.4 Solid Waste

The refuse generated at the SITE is from operations and general office waste. Two large refuse compactors are located on the southeast side of the SITE, just south of the hazardous waste storage canopy. Five steel dumpsters are located in this area as well. Other small refuse bins are located throughout the Hangars and other buildings. The City of Ontario removes general refuse from the SITE. Heritage Environmental removes hazardous materials waste.

5.1.5 Electrical Transformers

Pad and pole-mounted electrical transformers were observed throughout the SITE. These transformers were noted to be in good condition, with no evidence of leaks or staining for most. One of the pole mounted transformers appeared to have been leaking in the past (old staining), but no current leaks were noted. Each observed pad mounted transformer was labeled to be 'dry type,' containing no PCBs.

5.1.6 Utilities

The SITE utilities are provided by the following: City of Ontario (sanitary sewer, water, and general refuse), Southern California Edison (electric), Southern California Gas (gas), and Heritage Environmental (Hazardous waste, sludge from wastewater treatment).

5.1.7 Wetlands

During our site visit, we did not observe obvious signs of the presence of wetlands on the SITE, i.e., open water or marshes. We did not observe symbols on the USGS maps indicating the presence of wetlands.

5.1.8 Air Emissions

The SITE has current permits with the South Coast Air Quality Management District (SQAMD) for operating machines on the Clean Line adjacent to the Hangar 1 Annex, as well as for abrasive blasting and glass bead cabinets at the SITE.

5.1.9 Wells and Mine Shafts

We did not observe wells or indications of mine shafts on the site during our reconnaissance. According to Mr. Grubbs, no monitoring wells are located at the SITE.

5.1.10 Pits, Ponds and Lagoons

We did not observe pits, ponds or lagoons on the site during our reconnaissance.

5.1.11 Wastewater/Effluent Discharge

The SITE has a wastewater treatment building that discharges to the City of Ontario sewer system. Sumps are located on the SITE that pump the wastewater generated at various locations of the SITE to this treatment building. This plant is permitted through the "permit by rule" system. The industrial wastewater permit is issued by the Inland Empire Utilities Agency and County Sanitation Districts of Los Angeles County. Cleaning operations generate the majority of the wastewater at the SITE. Many chemicals are used in the cleaning areas, and then rinsed with water. This wastewater flows into floor drains and grates, and is pumped to the wastewater treatment building. According to Mr. Grubbs, the wastewater effluent from the treatment building is tested and inspected regularly by the permitting agencies.

5.1.12 Sensitive Receptors

We did not observe sensitive receptors (e.g., drinking water wells) on the SITE during our reconnaissance.

5.1.13 Asbestos

An asbestos-containing materials survey was not included as part of the scope of services for this assessment.

5.1.14 Lead-Based Paint

A lead-based paint survey was not included in the scope of services for this assessment.

5.1.15 Dry Cleaning

We did not observe indications of former or current dry cleaning activities on the site during our reconnaissance.

5.1.16 Other

No other items that might be considered recognized environmental conditions relative to the SITE were observed during the site reconnaissance.

5.2 AREA RECONNAISSANCE

The area reconnaissance helps us evaluate whether adjacent or nearby property uses may have contaminated the site. Our assessors conducted the reconnaissance by touring the area by automobile and viewing particular businesses from public rights of way, but did not enter off site properties. The findings of our area reconnaissance are discussed according to their direction from the site: north, east, south, and west.

5.2.1 North

Directly adjacent, north of the SITE is the Ontario International Airport. Airport runways are nearest the SITE to the north, with airport buildings and terminals to the north of the runways.

5.2.2 East

Adjacent to the east of the SITE is a paved lot, and the building that was formerly Hangar 4 of the SITE, now an Airport maintenance building. Beyond this, further east, is a fuel farm owned by the adjacent Mercury Air Center.

5.2.3 South

To the south of the SITE is Avion Street. South of Avion Street are other commercial businesses, including Airport Group International, Inc., (south/southwest – closest building south of the SITE), and others to the southeast of the SITE. South of these businesses is the Union Pacific Railroad.

5.2.4 West

To the west of the SITE are other airport buildings and commercial businesses, such as Guardian Jet Center (west/southwest). These buildings are reportedly used for Airport maintenance.

5.2.5 Summary of Area Reconnaissance

The SITE is in an area dominated by the Ontario International Airport and many associated aviation and other businesses. None of the observed nearby businesses appeared to be significant recognized environmental concerns relative to the SITE.

6.0 HISTORICAL REVIEW

In the historical review, we reviewed information on the past uses of the site and nearby properties. We assessed whether these uses may have contaminated the site's soil or groundwater. The earliest historical references we typically consult date from 1940 or from the first developed use of the site or nearby properties. Information sources we commonly use include aerial photographs, fire insurance maps, and USGS topographic maps. The information sources we reviewed as part of this assessment are included in Section 9.0.

The historical review results in two histories, based on the information reviewed: a history of the past use of the site and a history of the past use of the adjacent properties.

6.1 PAST SITE USE

1938 Aerial Photograph

The aerial photograph from 1938 shows the SITE and all adjacent land as undeveloped agricultural land. Mission Boulevard to the south of the SITE is the only distinguishable road present in this photograph.

1949, 1953, 1968, 1977 Aerial Photographs

The 1949 aerial photograph displays the first structures present at the SITE. The structures appear to be Hangars 1 and 2. The 1953 aerial photograph shows other structures now present at the SITE, including Hangar 3. By 1968, Hangar 4 was constructed, as were many other smaller structures at the SITE. The 1977 photo displays little change to the SITE from the 1968 photo, less some smaller building alterations (canopies, etc.) and a couple small new structures.

1989, 1994, and 2002 Aerial Photographs

The Site appears to be fully developed in the 1989 aerial photograph. Hangar 5 and the Administrative building were constructed in 1980, according to Mr. Grubbs, and represent the most recent major building additions/construction at the SITE. The 1994 and 2002 aerial photographs show some slight alterations to the SITE up to its present condition.

Sanborn Maps

There were no Sanborn Maps available for the SITE.

1903, 1941, 1954, 1966, 1966-1973 (photorevised), 1966-1981 (photorevised) Topographic Maps

Specific details regarding the SITE development are not provided on the topographic maps. However, in general, the map findings are consistent with the other historical reference review findings. Structures at the SITE are visible beginning in the 1954 topographic map. Hangar 5 and the Administrative building are not visible in any of the topographic maps, likely not yet constructed at the time of the most recent topographic map. Topographic maps of the area during World War II

were reportedly altered for security measures and may not accurately depict SITE conditions during that timeframe.

Building Permits

We reviewed building permits for the SITE address at the City of Ontario Building Department. The following provides a brief summary of the findings:

- 1980: Building permit for Test Cell at SITE.
- 1987: Building permits for electrical work and the Propane Fueling Station.
- 1989 and 1990: Building permits for warehouse improvements, fire sprinklers, electrical and plumbing, ASTs, and a waste water line.
- 1993: Building permits for Roof work and piping, rerooting of IC80 #4630.
- 1997, 1998, 1999: Building permits for more rerooting of IC80 #4630, remodeling improvements, modifications to oil/water seepage system, electrical work, enclosing of the Hangar, modifications to waste water separator, plumbing, and new Hangar doors.

6.2 PAST USE OF SURROUNDING PROPERTIES

The following information was obtained from our historical research pertaining to properties surrounding the SITE:

- North: The 1949 aerial photograph shows the first developed structures surround the SITE. In this photo, the Ontario International Airport is to the north, as it is today. Aircraft are located to the northwest of the SITE (Hangars 1 and 2), aside some small buildings. Today, the Ontario International Airport is still north of the SITE, with many more associated buildings and runways than in 1949.

- East: The area east of the SITE was vacant until the 1953 aerial photograph, which displays the east adjacent area to be paved for aircraft parking and storage. Many small structures are visible in the paved area ordered in 2 rows. Until 1989, only a paved lot was east adjacent to the SITE. The 1989 aerial photograph displays the building where Mercury Air Center currently resides to be constructed. Southeast across Avion Street is also more commercial development.

- South: The Union Pacific Railroad tracks and farmland are the only features located south of the SITE until the 1949 aerial photograph when some commercial buildings are noticeable between Avion Street and Mission Boulevard. Further development to the south of the SITE beyond Mission Boulevard is not observed until the 1989 aerial photograph. The 1989 photo shows greater commercial and industrial development south of the SITE beyond Mission Boulevard than the 1977 photo. From the 1989 aerial photograph until the 2002 photo, some small developments occurs south of the SITE between Avion and Mission leading to present condition.

- West: West of the SITE is farmland until approximately the same time the first SITE structures are evident in the 1949 aerial photograph. In the 1949 photo, possible airport buildings are observed to the northwest of the SITE. Aircraft can be seen parked around these structures. Further development of these airport buildings, and a few other new buildings, is observed in aerial photographs up to the present. Airport runways currently stretch from northeast of the SITE to northwest.

7.0 REGULATORY AGENCY INFORMATION

We reviewed excerpts of federal, state, and local environmental regulatory agency lists for those properties which were within the search ranges as noted in the excerpts that were prepared by EDR, an environmental data search firm. EDR revises their lists periodically when they receive updates from the agencies. The date of the latest revision is shown on their report, which is appended to this report as Appendix B, The EDR-Radius Map with GeoCheck®. The EDR report also summarizes the origin and purpose of each list.

Please note that regulatory listings are limited and include only those sites that are known to the regulatory agencies at the time of publication to be contaminated or in the process of evaluation for potential contamination. Our scope of services did not include the review of agency files.

7.1 FEDERAL CONTACTS

Environmental Protection Agency (EPA) National Priorities List (NPL), dated 7/1/05

The Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) established the National Priorities List (NPL) of federal "Superfund" sites. This list identifies Superfund sites that have been designated as national priority clean-up sites and targeted for immediate action due to their high assigned ranking, in terms of potential public health effects, by the EPA.

- The SITE does not appear on the NPL.
- No NPL-listed facilities are within a 1-mile radius of the SITE.

EPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), dated 6/27/05

The CERCLIS lists and identifies suspected contamination sites throughout the nation; CERCLIS contains information on sites identified by the U.S. EPA as known or suspect abandoned, inactive, or uncontrolled hazardous waste sites which may require cleanup. The CERC 'No Further Remedial Action Planned' (NFRAP) list, dated 5/17/05, identifies former CERCLIS sites that have been removed from the list.

- The SITE does not appear on the CERCLIS list.
- No CERCLIS-listed facilities are within a 1-mile radius of the SITE.

- The SITE does appear on the CERC NFRAP list, indicating it was formerly a CERCLIS-listed site. The EDR reports that the SITE has been off the CERCLIS list since the late 1980s. The CERC NFRAP listing does not constitute a recognized environmental condition (REC).

Corrective Action Report (CORRACTS) list, dated 6/28/05

The CORRACTS list identifies hazardous waste handlers with RCRA corrective action activity.

- The SITE does appear on the CORRACTS list. From the late 1980s until 1997, the SITE is reported to have had 13 CORRACTS records stemming from mainly human exposure to hazardous materials and suspected or observed ground water contamination. Each of these records received a corrective action to stabilize contamination, and work plans were implemented to avoid further instances. No further details were given in the EDR regarding the nature of the contaminations that required corrective action.

- No CORRACTS-listed facilities are located within a 1-mile radius of the SITE.

EPA Resource Conservation and Recovery Information System (RCRIS), dated 5/20/05

RCRIS, or the Resource Conservation and Recovery Act (RCRA) Notifiers List, is an EPA database of facilities that generate and/or transport hazardous waste. This list also serves to track the status of hazardous waste treatment, storage, and/or disposal (TSD) facilities regulated under RCRA.

- The SITE does appear on the RCRA TSD list and the RCRA Large Quantity Generator list. Violations have been reported at the SITE stemming from human exposure to hazardous materials and suspected or observed ground water contamination. Stabilization measures were implemented, including source removal and treatment (i.e. soil or waste excavation, in-situ soil treatment, off site treatment). Compliance was achieved for the RCRA TSD violations by 1990. No further details were given for the other violations. The fact that ground water and soil were affected by the contamination may be an REC.

- Five RCRIS-listed Small Quantity Generators are located within a ½-mile radius of the SITE. All of the sites are approximately ¼-mile down or cross gradient from the SITE. No violations were reported at any of these sites.

- One RCRIS-listed Large Quantity Generator was found within ½-mile of the SITE. No violations were reported at this site.

EPA Emergency Response Notification System (ERNS), dated 12/31/04

The ERNS list is a national database used to collect information on reported releases of oil and hazardous substances.

- The SITE does appear on the ERNS list. A release of sewage was reported to have affected the soil and storm drain in 1991. The SITE was responsible for cleanup. No further details were given.

SARA Title III, Section 313 (TRIS), dated 12/31/03

Title III of the Superfund Amendments and Reauthorization Act requires that owners or operators of facilities with more than ten employees and that are listed under Standard Industries Classification (SIC) Codes 20 to 39 report the manufacturing, processing or use of more than a threshold quantity of certain chemicals listed under Section 313. This database is also known as the Toxic Release Information System (TRIS).

- The SITE does appear on the TRIS list. No further details were given in the EDR regarding this listing.

Formerly Used Defense Sites (FUDS), dated 12/31/04

The FUDS list includes locations of Formerly Used Defense Sites Properties where the U.S. Army Corps of Engineers is actively working or will take necessary cleanup actions.

- The SITE does not appear on the FUDS list.
- One FUDS listed facility is within a 1-mile radius of the SITE. The facility, Ontario Army Airfield, is located approximately ½-mile up gradient north of the SITE. No violations are reported for the site, thus it is not considered an REC relative to the SITE.

7.2 STATE CONTACTS

Annual Work Plan (AWP) list, dated 5/4/05

The Annual Work Plan (AWP) of the California Hazardous Substance Cleanup Bond Act of 1984 (state Superfund act) identifies California hazardous waste facilities targeted for cleanup by responsible parties, the state, and the EPA over the next five years.

- The SITE does not appear on the AWP list.
- One AWP-listed facility is located within a 1-mile radius of the SITE. The facility, GE Engine Services, is located approximately ½-mile cross gradient, east/southeast of the SITE. The facility was reported to have had suspected ground water contamination. No further details are given in the EDR, but due to location and gradient with respect to ground water, this site does not constitute an REC relative to the SITE.

CALSITES (CALS) list, dated 5/4/05

The CALSITES database identifies certain potential hazardous waste facilities, based on file searches and windshield surveys. Some of the facilities may have undergone supplemental inspection or sampling.

- The SITE does not appear on the CALSITES list.
- Two CALSITES-listed facilities are within a 1-mile radius of the SITE. One of the facilities, GE Engine Services, is located approximately ½-mile cross gradient, east/southeast of the SITE. The facility was reported to have had suspected ground water contamination. No further details are given in the EDR, but due to location and gradient with respect to ground water, this site does not constitute an REC relative to the SITE. The other facility, Usang Ontario Air National Guard, is located approximately ¾-mile cross gradient, east/southeast of the SITE. This facility had confirmed ground water contamination, but as of September of 2000, the site is certified as having been remedied satisfactorily under DTSC. This site does not constitute an REC relative to the SITE.

California Office of Planning and Research (CORTESE) list, dated 4/1/01

The CORTESE database, a consolidation of information from various sources, lists potential and confirmed hazardous waste facilities or hazardous substance facilities.

- The SITE is not included on the CORTESE list.
- Four CORTESE-listed facilities are located within a 1-mile radius of the SITE. The first facility, GE Ontario Aircraft Engines, is located approximately ½-mile cross gradient, east/southeast of the SITE. No details are given for the CORTESE listing, but the site is also listed in the LUST database, with more details below. The second facility, Fluor Corp. Flight Operations, is located approximately ¼-mile down gradient, southwest of the SITE. No further details are reported regarding the CORTESE listing. The site is also listed in the LUST database, with more details below. The third CORTESE facility, Hertz Rent a Car, is located approximately ½-mile down gradient, south of the SITE. No further details are provided in the EDR regarding this listing. The site is also listed in the LUST database, with more details below. The final listed facility, GE Aircraft, Engine Maintenance, is located at the same address as the first facility listed above, approximately ½-mile cross gradient, east/southeast of the SITE. No further details are provided in the EDR regarding this CORTESE listing; however, the site is also listed in the LUST database, with more details below.

  GE Ontario Aircraft Engines and GE Aircraft, Engine Maintenance constitute one facility, GE Engine Services, located at 2264 Avion Place, approximately ½-mile east/southeast of the SITE.

Leaking Underground Storage Tank (LUST) list, California and Regional, dated 7/11/05

The State Water Resources Control Board and Regional Water Quality Control Boards maintain the LUST lists with reported leaks from underground storage tanks.

- The SITE does not appear on the LUST list.
- Four LUST-listed facilities are located within a ½-mile radius of the SITE. The first facility, GE Aircraft Engines (a different GE property than the SITE) is located approximately ½-mile cross gradient, east/southeast of the SITE. The facility reported a gasoline and jet fuel leak that affected the drinking water aquifer to 120 feet in the early 1990s. The Santa Ana Regional Water Quality Control Board (SARWQCB) was the lead agency, and the case is listed to be in 'Pollution Characterization' status. Ground water was impacted with up to 5.5 ppb Benzene. Due to distance from the SITE and gradient with respect to ground water, it is MACTEC's opinion that this listing does not constitute an REC relative to the SITE. The next LUST facility, Avis Rent a Car., is located approximately ½-mile up gradient, northeast of the SITE. The site reported a gasoline leak that affected the soil in 1997. Remediation actions are not discussed in the EDR, however the case is closed. Due to the fact only soil was affected by the leak, this site does not constitute an REC relative to the SITE. The third LUST facility, Fluor Corp. Flight Operations, is located approximately ¼-mile down gradient, southwest of the SITE. The facility reported a leak of jet fuel that was discovered to have affected the soil in 1991. Remedial actions are not discussed in the EDR, however the case was closed in 1992. Due to only soil being affected by the leak, as well as gradient with respect to ground water, this site does not constitute an REC relative to the SITE. The remaining LUST facility, Hertz Rent a Car, is located approximately ½-mile down gradient, south of the SITE. The site reported a gasoline leak that affected the soil in 2000. Remediation actions are not discussed in the EDR; however, the case was closed in 2001. Due to the fact only soil was affected by the leak, this site does not constitute an REC relative to the SITE.

Active Underground Storage Tanks (UST) list dated 10/13/04

The UST list inventories active tank sites registered with the State Water Resources Control Board (SWRCB).

- The SITE does not appear on the UST list.
- Three UST-listed facilities are located within a ½-mile radius of the SITE. These sites are all approximately ¼-mile cross gradient from the SITE. No violations are reported for any of these facilities.

Waste Management Unit Database (WMUDS) List, dated 4/1/00

The WMUDS is used by the State Water Resources Control Board Staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. The WMUDS includes the SWAT database.

- The SITE is not included on the WMUDS list.
- No WMUDS-listed facilities are within a ¼-mile radius of the SITE.

7.3 OTHER LISTS

Ten of the 42 remaining regulatory lists contain listings within the search radii as designated in the EDR report. The listings appeared on the California Bond Expenditure Plan (CA BEP) list, Waste Discharge (CA WDS) database, Facility Index System (FINDS), Emissions Inventory (EMI), California Facility Inventory Database (CA FID UST) list, the Hazardous Substance Storage Container Database (HIST UST) list, the Statewide Environmental Evaluation and Planning System (SWEEPS UST), the Spills, Leaks, Investigations, and Cleanups (SLIC) list, the Facility and Manifest (HAZNET) list, and the San Bernardino County Fire Department hazardous materials permit (San Bern Co. Permit) list.

CA BEP

This Department of Health Services developed site-specific expenditure plan is used as the basis for an appropriation of Hazardous Substance Cleanup Bond Act Funds. The SITE is on the CA BEP list. The SITE is reported have disposed of a large quantity of hazardous waste into dry wells, affecting the soil and potentially the ground water. Human exposure was also listed as a concern. The SITE was not the only potentially responsible party (PRP) for this contamination. The SITE and other PRPs were deemed responsible for the cost of investigation and remedial action. This occurred in the late 1980s. No further details were given.

CA WDS

The CA WDS list includes sites that have been issued waste discharge requirements. The list is compiled by the State Water Resources Control Board. One CA WDS facility is located within ⅛-mile of the SITE. The facility is a dewatering plant, located cross gradient east of the SITE. Its potential threat to ground water is not reported. In our opinion, this site does not constitute an REC relative to the SITE.

FINDS

The Facility Index System (FINDS) database contains both facility information and 'pointers' to other sources that contain more detail. The SITE itself is in the FINDS database. The FINDS database reports other pertinent environmental activity identified at the SITE to be an Aerometric Information Retrieval System, a Hazardous Waste Tracking System, a National Emissions Inventory, a Resource Conservation and Recovery Act Information System, and a Toxic Chemical Release Inventory System. In our opinion, this listing does not constitute an REC relative to the SITE

EMI

The Emissions Inventory Data list (EMI) contains toxics and criteria pollutant emissions data collected by the California Air Resources Board and local air pollution agencies. The SITE itself is found in the EMI database. This listing represents the fact that the SITE releases emissions into the air. No violations are reported with this listing. Since the EMI list is simply an inventory for air emissions, and no violations are reported, we do not see this listing as an REC relative to the SITE.

CAD FID UST List

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. The SITE itself is on the FID list, along with 5 other facilities within a ½-mile radius of the SITE. An active UST is reported at the SITE. No violations are reported in the EDR stemming from this listing. The other five listed facilities are all approximately ¼-mile from the SITE, and all are either down or cross gradient with respect to ground water. In our opinion, no RECs exist with respect to the SITE.

HIST UST List

The information for this listing is obtained from the SWRCB and contains information on historical UST sites. The SITE itself is on the HIST UST list, along with 5 other facilities within a ½-mile radius of the SITE. The SITE is reported to have 17 historical USTs, used for diesel fuel and waste oil. No report of any leaking in presented in the EDR, and the SITE is not on the LUST list. Two of the other HIST UST-listed facilities are located approximately ¼-mile down gradient, southwest of the SITE at the same address. This address is in the LUST database. Due to distance and gradient, this is not considered an REC relative to the SITE. The 3 remaining HIST UST sites are located approximately ½-mile cross gradient, east/southeast of the SITE. No violations are reported at any of these sites, thus they are not considered RECs relative to the SITE.

SWEEPS UST List

This underground storage tank listing was updated and maintained by a company contracted by the SWRCB in the early 1980s. The listing is no longer updated or maintained. The local agency is the contact for more information. The SITE itself is on the SWEEPS UST list, along with 5 other facilities within a ½-mile radius of the SITE. The SWEEPS UST list reports 14 USTs at the SITE. No violations were reported. Of the remaining 5 SWEEPS listed facilities, one (Fluor Corp. Flight Operations) is also in the LUST database. This site is located approximately ¼-mile down gradient, southwest of the SITE. The facility reported a leak of jet fuel that was discovered to have affected the soil in 1991. Remedial actions are not discussed in the EDR; however the case was closed in 1992. Due to only soil being affected by the leak, as well as gradient with respect to ground water, this site does not constitute an REC relative to the SITE.

HAZNET List

This data is extracted from the copies of hazardous waste manifests received each year by the DTSC. Two HAZNET facilities are located with a ⅛-mile radius of the SITE. Both facilities are located approximately ⅛-mile down gradient south of the SITE. No violations are reported for either facility, and thus we do not see them as RECs relative to the SITE.

SLIC List

The Spills, Leaks, Investigations, and Cleanups (SLIC) list includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites. One SLIC-listed facility is located within a 1-mile radius of the SITE. The facility, Lockheed Aircraft Service Co., is located approximately ½-mile up gradient, northeast of the SITE. The site is reported to have had a leak of VOCs. No further details are given in the EDR regarding this listing. Due to distance from the SITE, we do not see this facility as an REC relative to the SITE.

San Bernardino County Hazardous Materials Permits

This listing includes USTs, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers. The SITE itself and 19 other facilities are on the San Bern Co Permit list within a ½-mile radius of the SITE. Each of the listed facilities is located either cross or down gradient from the SITE, and no violations were reported stemming from the Permit listing. In our opinion, the San Bernardino County Permit listings do not constitute RECs relative to the SITE.

Orphan Summary

The Orphan Summary list consists of sites with poor address quality, usually without zip code information. However, if street addresses are available, these site locations are checked against the known vicinity of the SITE to evaluate if they are located within the select ASTM search distances. Forty-two Orphan Sites are listed within a 1-mile radius of the SITE. We did not identify orphan properties located near the site that, in our opinion, represent a potential environmental concern.

7.4 AGENCY CONTACTS

We contacted the following agencies to document whether they maintained records for the SITE:

- South Coast Air Quality Management District (SCAQMD): We sent a fax to the SCAQMD on October 7, 2005 to document whether the agency maintained records for the SITE. We received a 14 page file from SCAQMD on October 13, 2005. The file contained permits to operate records for equipment at the SITE, as well as 2 Notices of Violation regarding certain equipment. No significant RECs were identified.

- RWQCB – Santa Ana Region: We sent a fax request to the Santa Ana RWQCB on October 7, 2005 to document whether the agency maintained records for the SITE. The RWQCB responded on October 10, 2005 that records are available to review. We received client authorization to review the files and made an appointment with the Santa Ana RWQCB in Riverside, CA. We went to review RWQCB files on November 7, 2005. A summary of the findings from this visit can be found in Section 7.1.

- California EPA – Department of Toxic Substances Control (DTSC): We sent a fax request to the DTSC on October 7, 2005 to document whether the agency maintained records for the SITE. DTSC responded to us on October 17, 2005 that records are available to review on or after October 21, 2005. We received client authorization to review the files and made an appointment with the DTSC in Cypress, CA. We went to review DTSC files on November 1, 2005. A summary of the findings from this visit can be found in Section 7.2.

- San Bernardino Department of Environmental Health (DEH): We sent a fax request to the San Bernardino DEH on October 7, 2005 to document whether the agency maintained records for the SITE. On October 13, 2005, MACTEC received a phone call from a DEH employee stating the only item they have on record for the SITE is a small quantity generator permit for medical waste. The most recent permit they have on file expired on June 30, 2005.

- County of San Bernardino Fire Department (SBCoFD): We sent a fax request to the SBCoFD on October 26, 2005 to document whether the agency maintained hazardous materials/waste, hazardous spills, or USTs records for the SITE. As of January 31, 2006, we had not received a response.

7.5 SUMMARY OF RECORDS REVIEW

Please note that regulatory listings are limited and include only those sites that are known to the regulatory agencies at the time of publication to be contaminated or in the process of evaluation for potential contamination. In our opinion, our review of the above-referenced regulatory information identified zero facilities that are considered significant RECs with respect to the SITE.

8.0 FILE REVIEW SUMMARY

The original scope of work set forth for this Phase I ESA did not include MACTEC's review of agency files. However, upon learning that files did exist regarding the SITE at several agencies, MACTEC submitted a change order of the original proposal requesting permission and additional budget to review agency files on October 26, 2005 to Mr. Bradley Grubbs of GE Engine Services. Mr. Grubbs gave MACTEC signed approval of the change order on October 27, 2005.

Upon the approval from GE Engine Services, MACTEC made appointments and visited both the Regional Water Quality Control Board (RWQCB) and the California Department of Toxic Substances Control. The findings of these visits are discussed below.

8.1 RWQCB – SANTA ANA REGION

MACTEC visited the RWQCB in Riverside, CA to review files on November 7, 2005.

The majority of the files found at the RWQCB dealt with the closure and removal of USTs and Vadose Wells at the SITE. Of note was extensive DTSC-GE correspondence regarding the UST Closure Plan, dated November 20, 1990. The correspondence was from November of the following year (1991), and was essentially back and forth over a Notice of Deficiency the DTSC handed down on the Closure Plan. The DTSC found several sections of the Closure Plan to be incomplete, mainly procedural and sampling sections, among other 'language' issues, and critiqued how these sections should be corrected in order to meet approval.

The other major document found at the RWQCB was the Closure Report for USTs and Vadose Wells, dated May 30, 1991, prepared by OHM Remediation Services Corporation. This report documented the closure of 5 USTs, associated piping, and 5 Vadose Wells. Three 6000-gallon USTs and associated piping were closed and removed first. Two of the USTs were diesel fuel, and one was gasoline. The three USTs were triple rinsed and the water was then pumped from the tanks and stored in another 2000-gallon tank on site. OHM rendered the tanks inert with dry ice. Howie's Crane Service was subcontracted by OHM to remove the tanks and backfill the areas.

During removal of one of the USTs, 50 gallons of hydraulic oil was spilled onto nearby soil. The Closure Report states that the spill was contained quickly, and the contaminated soil was excavated.

The incident was reported to a local agency, but no further documents regarding the incident were found at the RWQCB. Following the incident and completion of the 3 UST removals, 2 soil samples were taken from below where each tank had been removed from (6 total samples).

Following the removal of these 3 USTs, a fourth UST was targeted for closure and removal. This tank was the 1000-gallon Cleaning Line tank, found on the rear northeast corner of the SITE. After removing soil overburden and locating the tank, it was discovered that this UST was buried beneath a vertical support beam that supported the building. Because of this, permission was granted by the San Bernardino Department of Environmental Health and the City of Ontario Fire Department to close the tank in place. The tank was rinsed and closed in place successfully. Two soil samples were taken from below the tank.

The last tank was an 8000-gallon Stoddard Solvent tank located on the west side of the SITE, adjacent to the GE Administration Building. This UST was approximately 15-17 feet below ground surface (bgs), and this lead to issues with shoring. During excavation to get down to the tank, the shoring wouldn't stay up. The area was backfilled, and alternative methods were sought. It was decided to subcontract Pacific Shoring, Inc., to install steel beam support to stabilize the shoring. Fourteen 17 foot steel beams were inserted to reinforce the shoring. This proved successful, and once down to the tank, all bottom solids from the tank were removed, the tank was triple rinsed and the water vacuumed out. The UST was removed, and the area backfilled. Three soil samples were taken from the UST area.

The Vadose Wells required no permit to install, so thus no permit was obtained for their removal, according to the Closure Report. The wells were excavated, broke into small pieces, and disposed of.

The soil samples analyzed from each of the UST areas revealed contaminant levels below that which was considered a hazard. No further investigation was advised in the Closure Report or other documents pertaining to the closure.

8.2 DTSC – CYPRESS OFFICE

MACTEC visited the DTSC in Cypress, CA to review files on November 1, 2005.

A large volume of files existed at the DTSC for review. Many of them dealt with the GE Test Cell Site located at 2264 Avion Street, approximately ¼-mile east of the subject SITE. MACTEC perused all DTSC files, but the GE Test Cell Site is not part of this Phase I ESA, so thus these files will not be summarized here.

Many of the documents included in the DTSC files dealt with the same UST and Well closures as found at the RWQCB. Also, the same Notice of Deficiency was found as well regarding the UST Closure Plan that the DTSC found to be incomplete. An additional note was that the removal of 3 UST waste tanks was done without DTSC approval in 1988, and GE was issued a civil penalty (Penalty, Hazardous Waste Control Act 90/91/011) of $55,000 and required to submit the aforementioned Closure Plan.

Also in the DTSC files was correspondence over the closure plan for the T-58 Test Cell Sump located at the SITE. The correspondence covered the time period of August 1991- August 1992. Dames and Moore, Inc., (DM) was the company contracted by GE to submit the closure plan for the sump. DM was in contact with DTSC and the Department of Health Services (DHS) regarding this closure plan on behalf of GE. DM responded to comments made by DHS dealing with what DHS perceived as 'a lack of provisions for characterizing the lateral extent of contamination'. DM rationalized that the majority of contaminated soil had been removed, and further investigation would be done to assess the extent of vertical contamination, rather than lateral, beneath the sump. DM stated that soil surrounding the sump may have been contaminated by a slow release of wash water possibly leaking from the sump through cracks or joints in the sump materials. The sump was not used as a point of discharge but rather as an in-line separator unit for a waste stream that entered the industrial sewer system. Because of this, DM did not anticipate large volumes of water were released into the subsurface. As such, the slow intermittent release of wash water through cracks in the sump would not, according to DM, produce a great driving force that would carry contaminants to a large lateral area from the sump. In the end, GE committed in the work plan, through DM, to conduct research to assess the quantity of wash water discharged into the sump on an annual basis. Also, GE commissioned the drilling of a boring beneath the former sump to investigate vertical migration of contaminants.

The DTSC responded to this correspondence with an approval letter of the above T-58 Sump Closure Work Plan on August 6, 1992.

Other correspondence found in DTSC files included 2 RWQCB letters to the attorneys of former SITE occupants Northrop Aircraft Corporation and McDonnell Douglas Aircraft Company. These 2 letters were essentially the same, dated 3 days apart in April of 1991; they stated that chlorinated solvents were detected in several wells located south and down gradient from the Ontario Airport, and records indicated that in the 1950s, these two former facilities routinely discharged industrial waste into the ground. The 2 former facilities were cited as 'probable sources of contaminants in the ground water', and requested to submit technical reports. The RWQCB stated that it would soon after be conducting soil gas surveys at each of the former sites, and depending on the results, further investigation maybe warranted. No other documents pertaining to this issue were found at DTSC.

Other documents and correspondence between GE and the DTSC were found, but many dealt with variance on permit issues and other less pertinent items in assessing possible past or current RECs at the SITE. A Closure Certification Report, dated June 2, 1994, prepared by Canonie Environmental, documents the final recommendations and certification of the removed USTs discussed in Section 7.1, closure of an Expanded Drum Storage Area (EDSA), closure of a 2000-gallon waste storage tank, and an oil/water separator. Soil samples were taken and analyzed from each of the closure and excavated areas. Based on the results, Canonie recommended closure be granted without further action. On October 17, 1994, closure was granted and certified by the DTSC.

9.0 CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I ESA in general conformance with the scope and limitations of ASTM E 1527-00 of GE Engine Services, Inc., (SITE) located at 1923 East Avion Street in the City of Ontario, San Bernardino County, California. Any exceptions to, or deletions from, the ASTM E 1527-00 scope is described in Section 2.2 of this report.

Based on the findings of our environmental assessment, we have arrived at the following conclusions:

- Some cracks were observed in the floor inside Hangar 3 where contaminants could potentially seep through. The Hangar is a former machine shop, so oils and other chemicals may have been used. Based on this and the assessment made in the Harding ESE Phase I ESA dated September 26, 2002, detailing high ion counts of Trichloroethene (TCE) and intermediate ion counts of Tetrachloroethene (PCE) detected from Petrex static soil-gas devices in the soils southeast and southwest sides along Hangar 3.
- Inside Hangar 5, on the northwest side of the building, are former locations of a bearing cleaning room and a paint booth. These types of areas use many chemicals for operations. Also, this area currently houses a machine shop, and oil staining on the floor was observed near some machines.
- Inside Hangar 5 is the Campbell Grinder Room. Commonly, this type of area uses hazardous chemicals, such as oils, lubricants, and solvents. If any small cracks exist in the floor, the soil beneath could potentially be impacted. At the time of our reconnaissance, some floor areas were not visible as they were covered with machines, pallets, and oil/clean sweep material. We did not observe any significant cracking in the floors of Hangar 5.
- Plasma spraying reportedly took place in Hangar 2. This is generally more of a health and safety issue during spraying; however, a residue may still be present or may have washed into cracks in the floors, if any exist. A review of former files at the SITE should be performed to determine the type of spray utilized (aluminum, etc.), and potential for environmental impact.
- An Asbestos Exposure Assessment completed March 9, 2004 by Integrity Environmental Consultants Inc. showed that asbestos tiles exist in the Data Processing Building.
- The Cleaning Area inside the Hangar 1 Annex uses Hydroxide and vapor degreasers to clean parts. In the past, TCE and other hazardous solvent chemicals were used. The adjacent

cleaning area on the southeast side of the Hangar 1 Annex used to be outside, where water was washed onto the pavement and ground surface.

- The Flowroom on the northeast side of Hangar 1, currently housing the Fuel Nozzle Purging area and Gear Box Tooling Room, is also the former location of a bearing cleaning area, a finger print neutralizer tank, a solvent tank, and a preservative oil tank. The Flowroom also used to be home to the Thermal Couple Room.
- The 1953 aerial photograph shows aircraft parked in the area immediately west of Hangar 3 on a surfaced area. Based on the 1953 DWR report it was a common practice to wash aircraft at these facilities. Wastewater discharged from aircraft washing operations exceeded the State's limits for phenols. Discharges were to unlined ditches and sumps. The DWR report states that in 1953 the groundwater was not impacted.
- The number of USTs to have historically existed at the SITE is unclear. Listings in the EDR report state that the SITE has historically maintained 14-17 USTs. Mr. Bradley Grubbs of GE was unsure of how many USTs had historically been at the SITE. Harding ESE reported in their 2002 Phase I ESA that 15 USTs historically existed at the SITE. They reported that all USTs had been properly removed and had received acceptance of certification of closure from the DTSC in 1994. This closure letter for 15 USTs at the SITE was not located by MACTEC. This issue should be researched further to confirm the historical and current presence of USTs at the SITE.
- A Closure Plan for the T-58 Test Cell Sump at the SITE was approved in a letter from the DTSC on August 6, 1992. GE committed in the work plan, through Dames and Moore, Inc., to conduct research to assess the quantity of wash water discharged into the sump on an annual basis. Also, GE commissioned the drilling of a boring beneath the former sump to investigate vertical migration of contaminants. No further documentation regarding work performed or a Final Closure Report was located by MACTEC.
- Records indicate that in the 1950s, former SITE occupants Northrop Aircraft Corporation and McDonnell Douglas Aircraft Company routinely discharged industrial waste into the ground. The 2 former facilities were cited as 'probable sources of contaminants in the ground water', and requested to submit technical reports by the RWQCB. Northrop and McDonnell Douglas discharged wastewaters from aircraft washing to unlined ditches and sumps, the exact location of which can not be determined from historical records and aerial photographs.

- MACTEC recommends that a Work Plan be prepared to assess potential recognized environmental concerns addressed in this report. The Work Plan should include soil gas surveys and soil sampling, following all applicable state and local regulatory requirements.

10.0 LIMITATIONS

The findings and opinions in this report are relevant to the dates of our site work. They should not be relied upon to represent conditions at later dates.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in this or similar localities at the time of service. No other warranty, expressed or implied, is made as to the professional advice included in this report.

The opinions included in this report are based on information obtained during the study and on our experience. If additional information becomes available that might affect our conclusions, we request the opportunity to review the information, reassess the potential environmental concerns, and modify our opinion, if warranted.

Although this assessment has attempted to identify the potential for site contamination, potential sources of contamination may have escaped detection. They may have been overlooked because of the limited scope of this assessment, the inaccuracy of public records, or the presence of undetected and unreported environmental concerns.

11.0 INFORMATION SOURCES

Geology, Surface Drainage, and Ground-Water Flow

- California Division of Oil, Gas, and Geothermal Resources, 1996, "Regional Wildcat Map W1-4," dated June 22, 1996.
- Harding ESE, Inc., 2001, Phase I Environmental Site Assessment [GE Ontario Site], November 4, 2002, Harding ESE Project No. 54472.1.
- U.S. Geological Survey, "Guasti, California 7.5-Minute Topographic Map," 1966 (photorevised 1981).

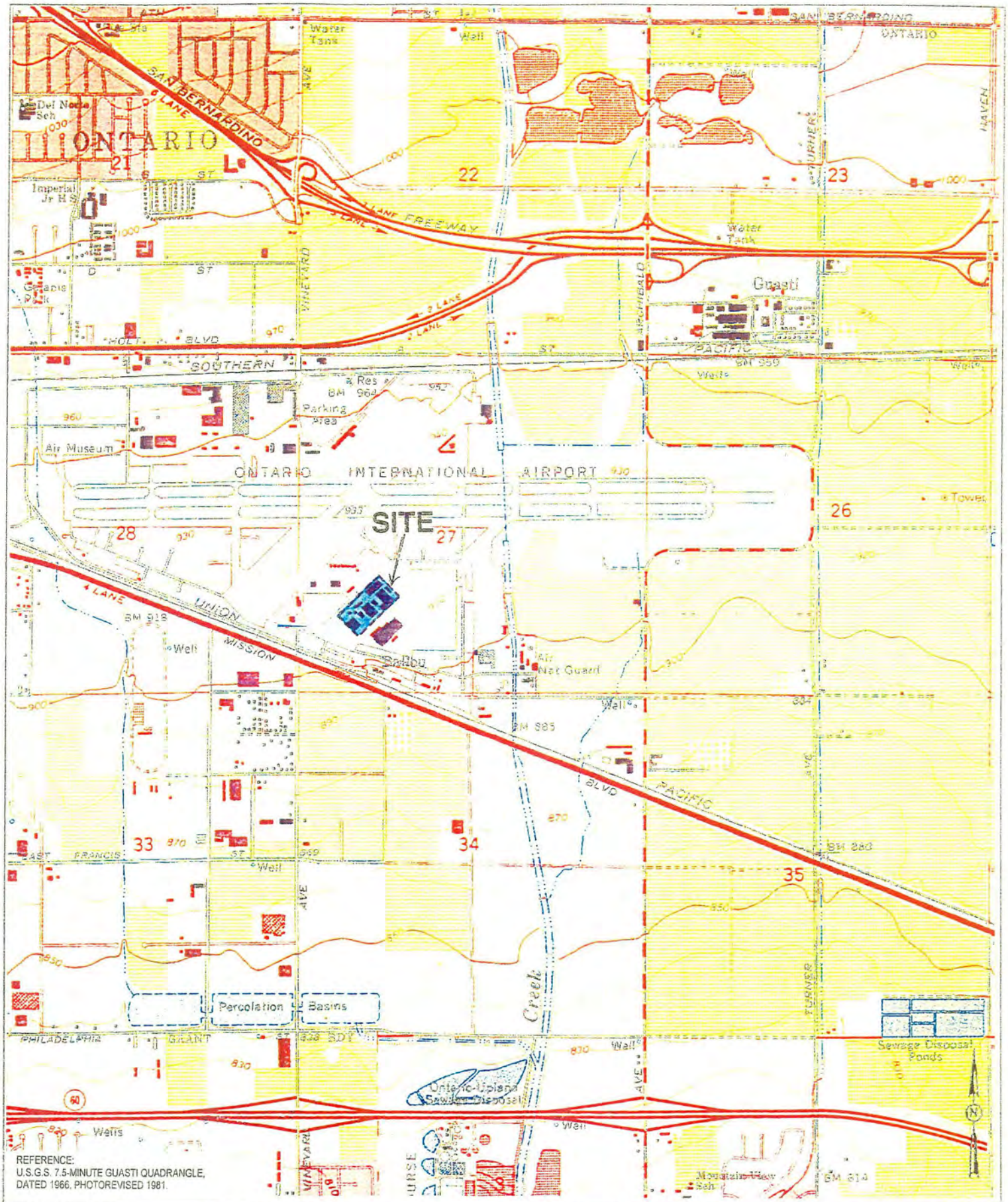
Historical Review

- Aerial Photographs dated 1938 (1"=555'), 1949 (1"=500'), 1953 (1"=555'), 1968 (1"=480'), 1977 (1"=666'), 1989 (1"=666'), 1994 (1"=666'), and 2002 (1"=666') from the EDR-Aerial Photography Print Service.
- U.S. Geological Survey (USGS) Topographic Map, 7.5-minute Series, Guasti Quadrangle, dated 1941, 1966, 1966-1973, and 1966-1981 provided by EDR.
- U.S. Geological Survey (USGS) Topographic Map, 15-minute Series, Ontario Quadrangle, dated 1954 provided by EDR.
- U.S. Geological Survey (USGS) Topographic Map, 15-minute Series, Cucamonga Quadrangle, dated 1930 provided by EDR.
- Canonie Environmental, 1994. *Closure Certification Report, Closure of Hazardous Waste Management Units, GE Aircraft Engines, Engine Maintenance Center, Ontario, California,* June
- Dames and Moore, 1988. *Final Closure Report, Underground Storage Tank Site, 1923 East Avion Street, Ontario, California,* August 8.
- Dames and Moore, 1990. *Closure Plan, Hazardous Waste Management Units, Engine Maintenance Center, Ontario International Airport, San Bernardino County, California,* November 20.
- Harding ESE, 2002. *Phase I Environmental Site Assessment, Three Buildings at GE Engine Services, Inc., Ontario, CA.* September 26.
- Meredith/Boli and Associates, 1992. *Information Search (Solvent Use and Potential Releases), Ontario International Airport, San Bernardino, California,* June 10.

- OHM Remediation Services Group, 1991. *Closure Report for Underground Storage Tanks and Vadose Wells, General Electric Aircraft Engines, Ontario, California,* May 30.

- State of California, Department of Public Works, Division of Water Resources, 1953. *Investigation of Waste Discharges at Ontario International Airport, San Bernardino County,* August 10.

FIGURES



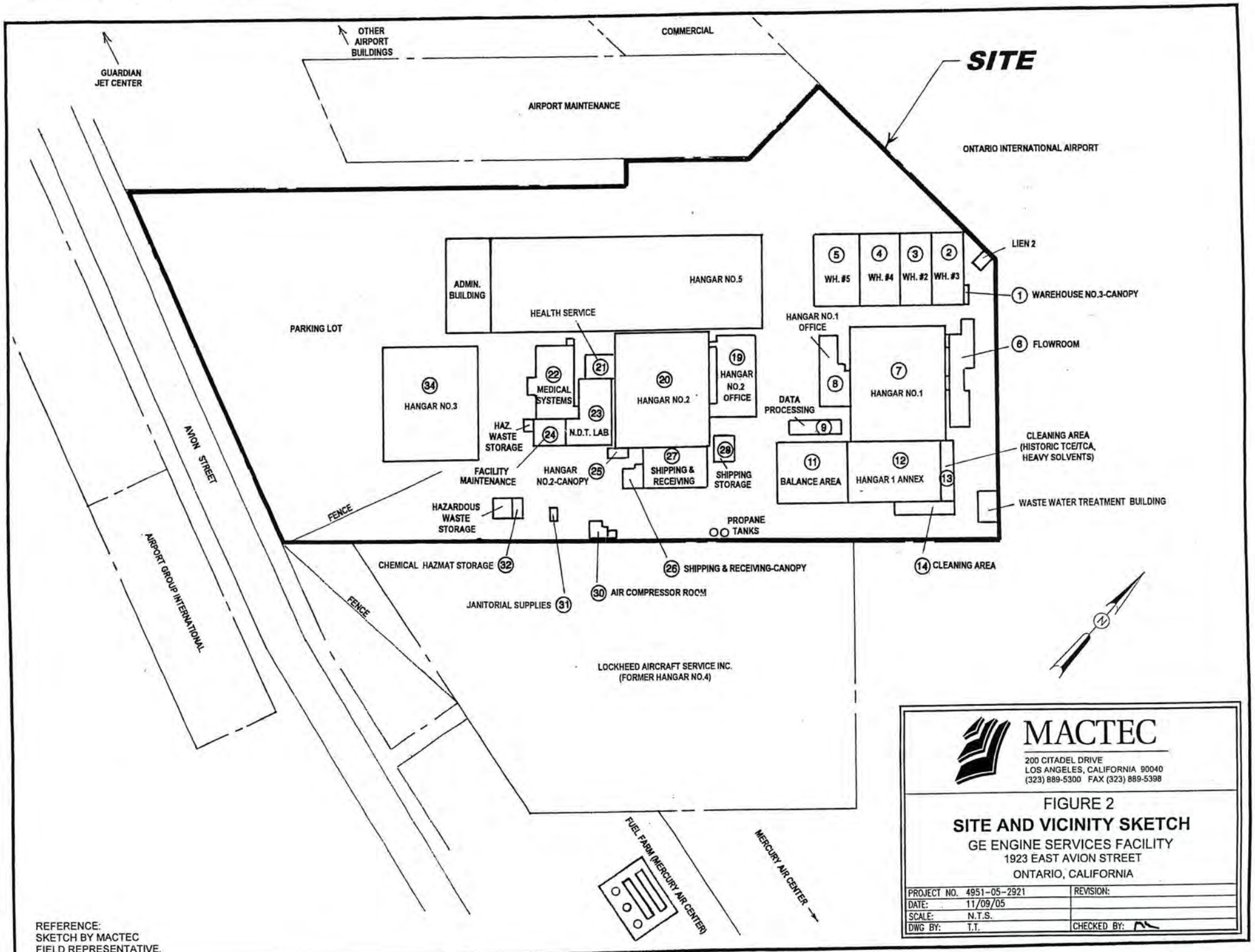
REFERENCE:
U.S.G.S. 7.5-MINUTE GUASTI QUADRANGLE,
DATED 1966, PHOTOREVISED 1981.

MACTEC
200 CITADEL DRIVE
LOS ANGELES, CALIFORNIA 90040
(323) 889-5300 FAX (323) 889-5398

SITE LOCATION MAP

FIGURE 1

PROJECT NO.	4951-05-2921	REVISION:	
DATE:	11/09/05		
SCALE:	1"=2000'		
DWG BY:	T.T.	CHECKED BY:	MK



REFERENCE:
SKETCH BY MACTEC
FIELD REPRESENTATIVE.

MACTEC
200 CITADEL DRIVE
LOS ANGELES, CALIFORNIA 90040
(323) 889-5300 FAX (323) 889-5398

FIGURE 2

SITE AND VICINITY SKETCH

GE ENGINE SERVICES FACILITY
1923 EAST AVION STREET
ONTARIO, CALIFORNIA

PROJECT NO.	4951-05-2921	REVISION:
DATE:	11/09/05	
SCALE:	N.T.S.	
DWG BY:	T.T.	CHECKED BY:

APPENDIX A

PHOTOGRAPHS

Project#: 4951-05-2921.01 Date: 11-10-05 Field Staff Initials: MK and KM

Project Name: GE Engine Services, Ontario

Image No.	Description
1	 View Northeast towards former Hangar No. 4 and other commercial warehouse buildings adjacent to the SITE.
2	 View south across Avion Street at Airport Group International, Inc., located at 1922 Avion Street.

Image No.	Description
3	 View southwest across Avion Street at commercial buildings.
4	 View east of SITE towards Mercury Air Center's Fuel Farm.

Image No.	Description
5	 View northeast towards Mercury Air Center.
6	 View west towards Avion Street and Vineyard Avenue, Guardian Jet Center.

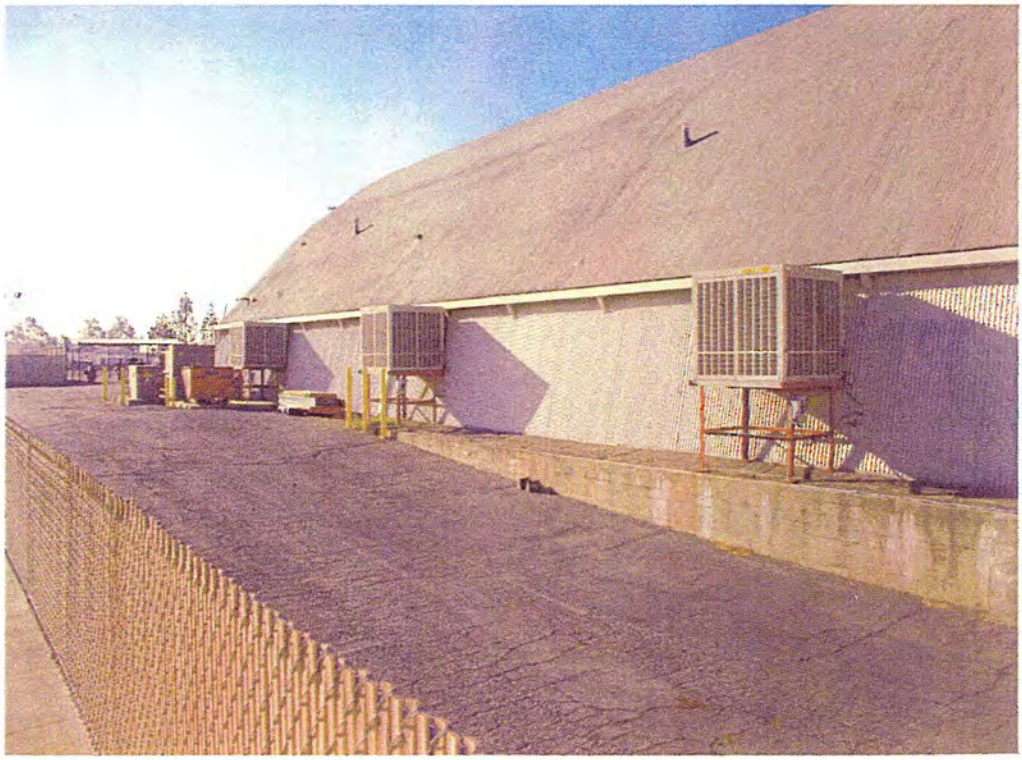
Image No.	Description
7	 View north down Vineyard Avenue towards Ontario International Airport buildings. West of SITE.
8	 View southeast along northeast side of Hangar No. 3 (H3).

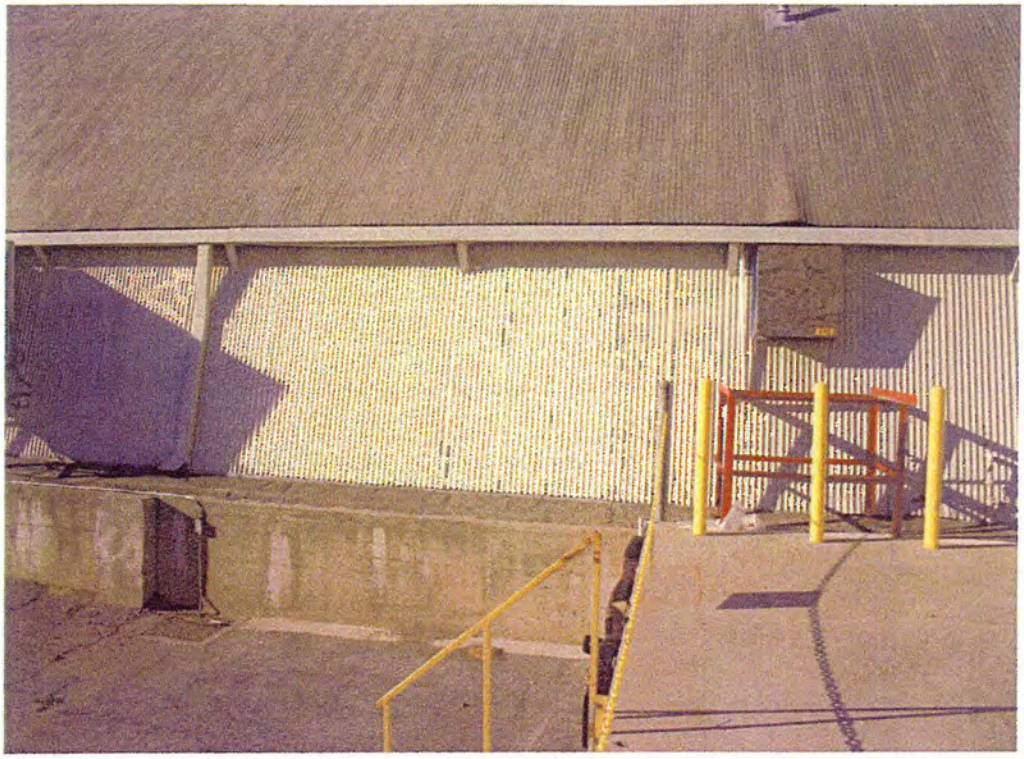
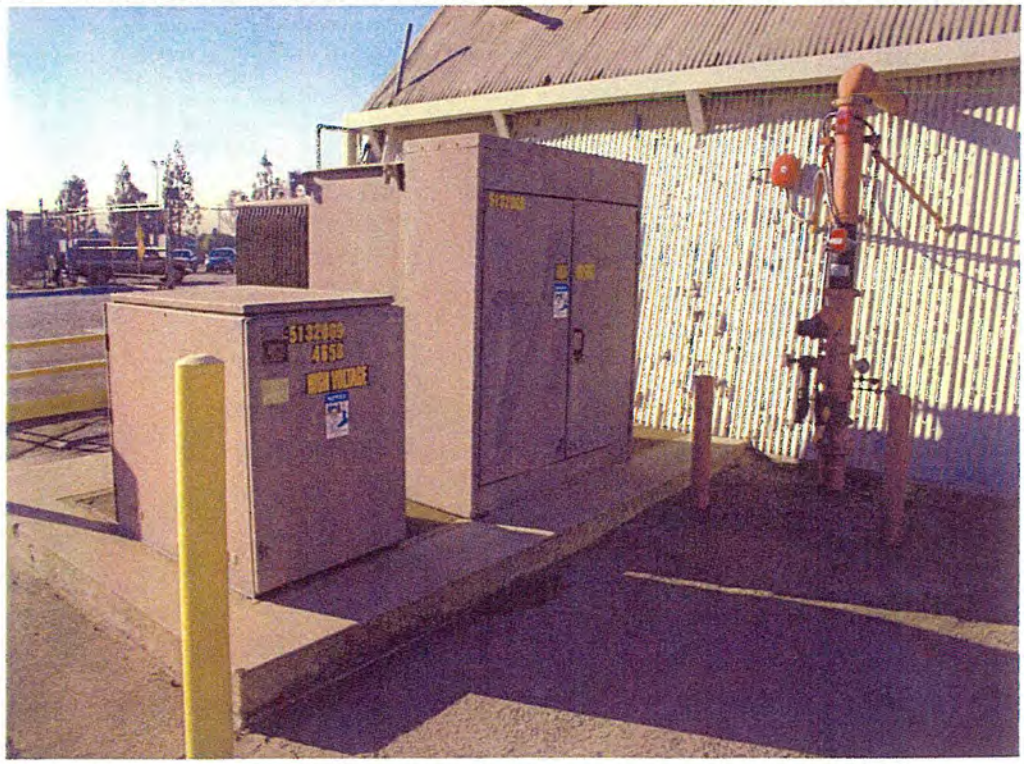
Image No.	Description
9	 View of northeast side of H3. On left, wiring leading into or coming out of drain is visible.
10	 Pad mounted electrical box and transformer on southeast corner of H3.

Image No.	Description
11	 Possible lead based paint flaking off side of H3. Manhole cover visible near H3 wall.
12	 View of drainage system on southeast side of H3. Spout to drainage visible near corner of H3.

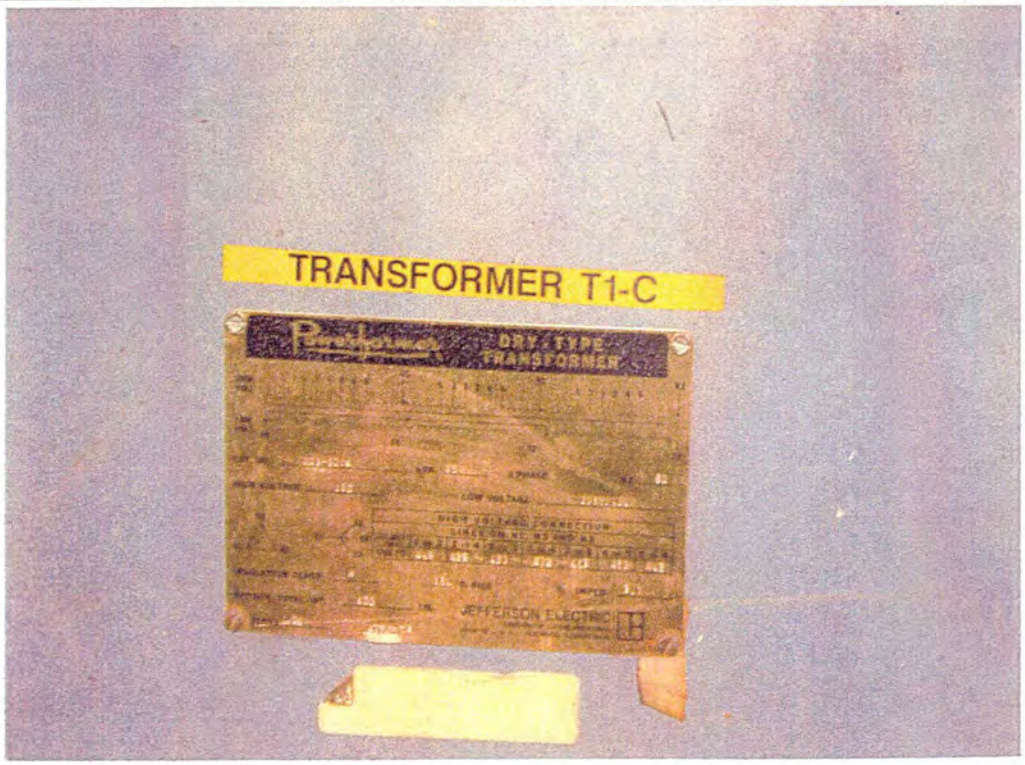
Image No.	Description
13	 View inside one of many flammable materials storage cabinets at the SITE. This is in H3.
14	 Dry type transformers in H3, and elsewhere at the SITE.

Image No.	Description
15	 Some cracking in the floor inside H3. Former machine shop area. Seepage of contaminants possible.
16	 Hazardous Waste storage area, east/southeast of H3.

Image No.	Description
17	 Some cracking observed in HazWaste Storage area. Possible circular boring location seen here as well.
18	 View inside HazWaste Storage Canopy. Entire area is on a concrete pad. Drains to sump.

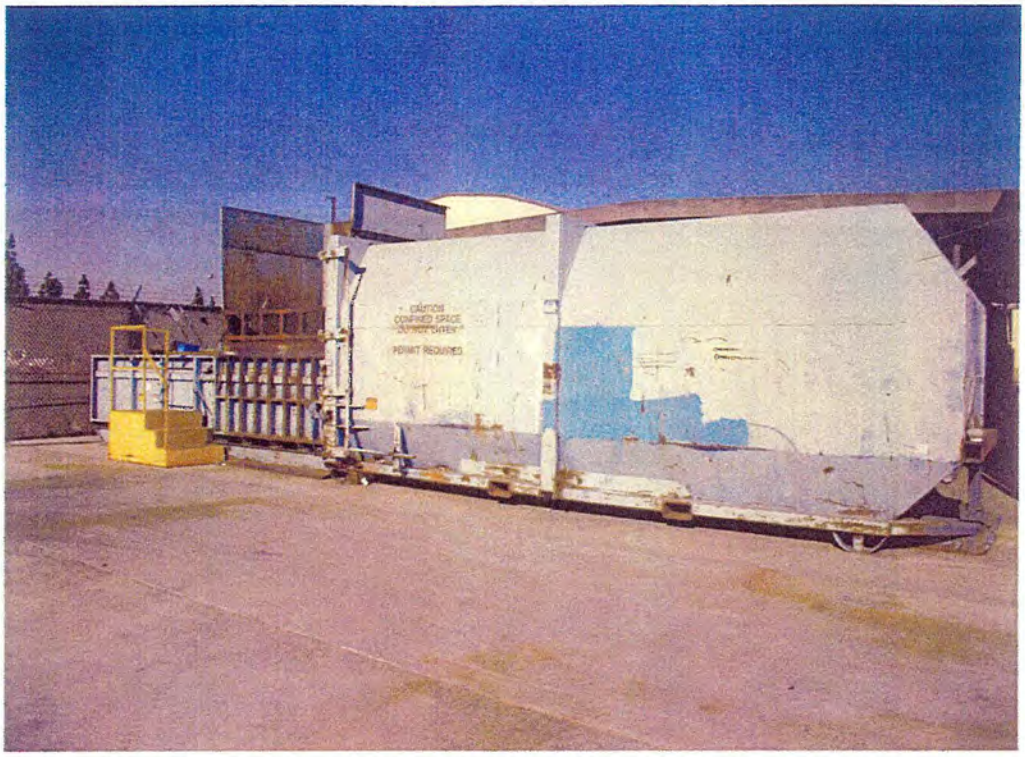
Image No.	Description
19	 View of refuse storage compactor behind (south/southeast) HazWaste Canopy.
20	 View along water pipeline for fire suppression system, located on the southeast side of SITE near perimeter.

Image No.	Description
21	 View northeast towards 2 1300-gallon propane tanks. Electric line leading to the tanks (patched asphalt).
22	 View inside janitorial supply shed of some of the chemicals used.

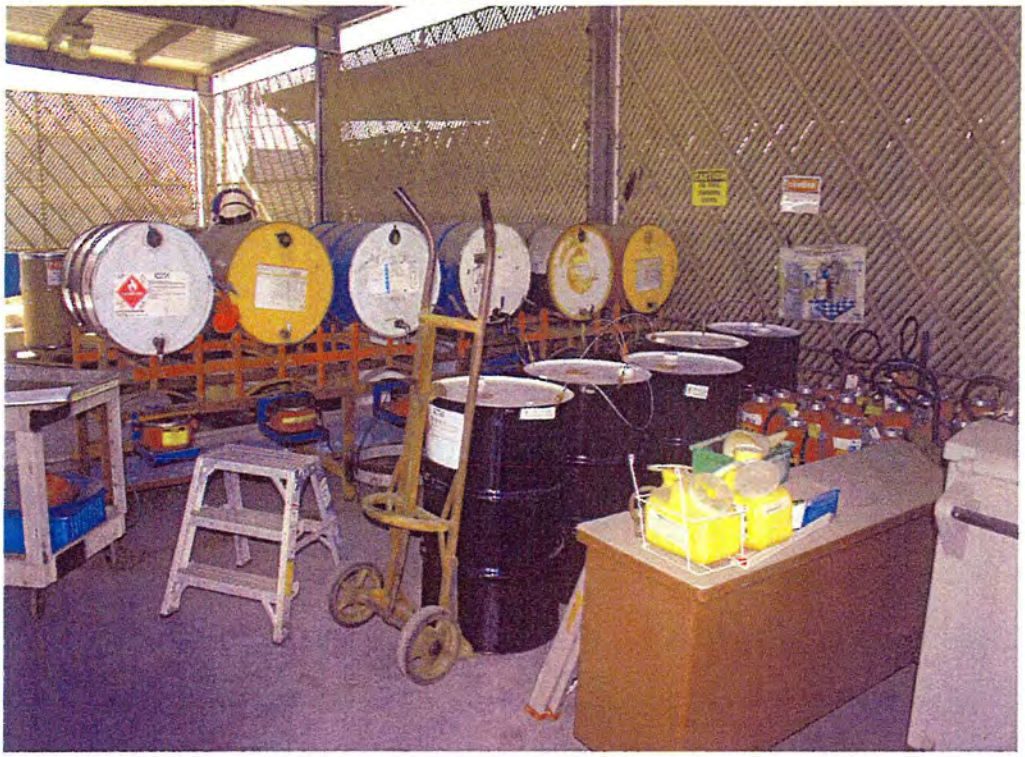
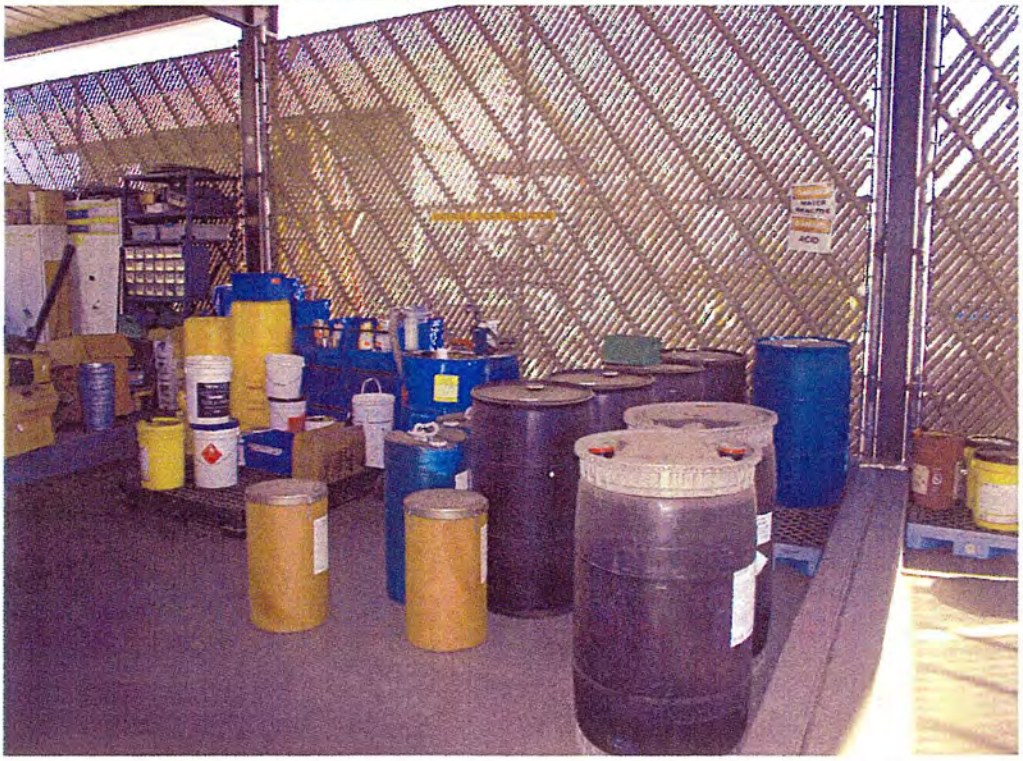
Image No.	Description
23	 Hazardous materials (HazMat) storage canopy. Adjacent to the HazWaste canopy. Concrete slab, sealed floor.
24	 Hazardous materials (HazMat) storage canopy. Concrete slab, sealed floor.

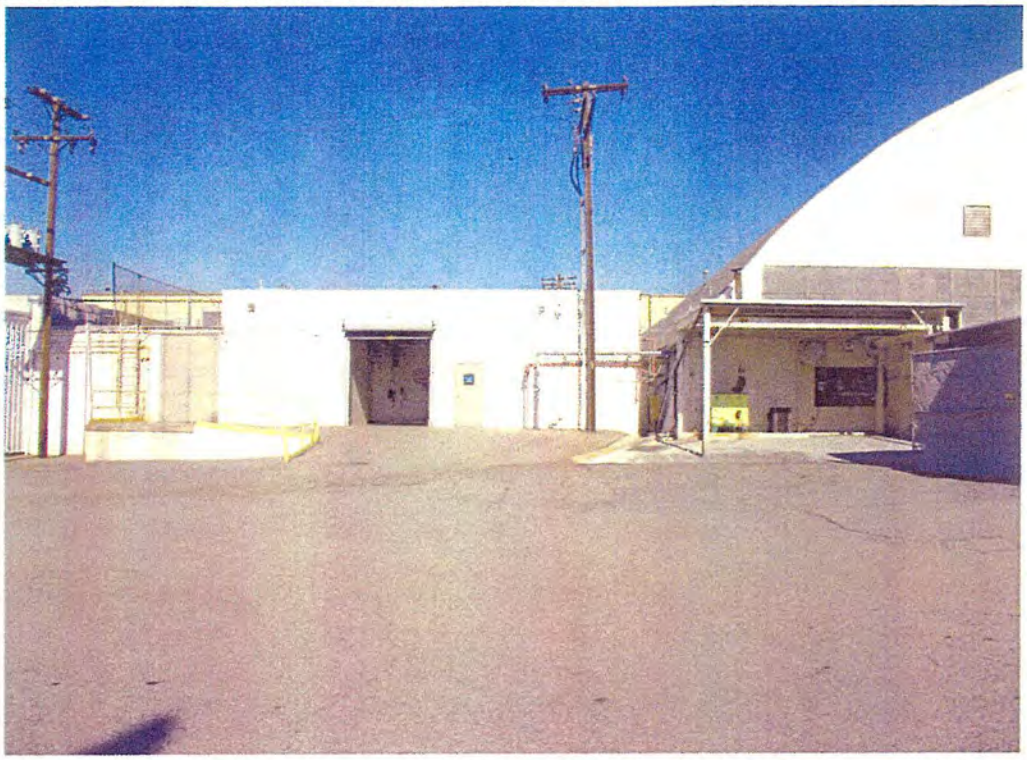
Image No.	Description
25	 View northwest towards H2 (on right), NDT Lab (ahead), and Facilities Maintenance (left).
26	 View north of Shipping and Receiving building. H2 adjacent behind it.

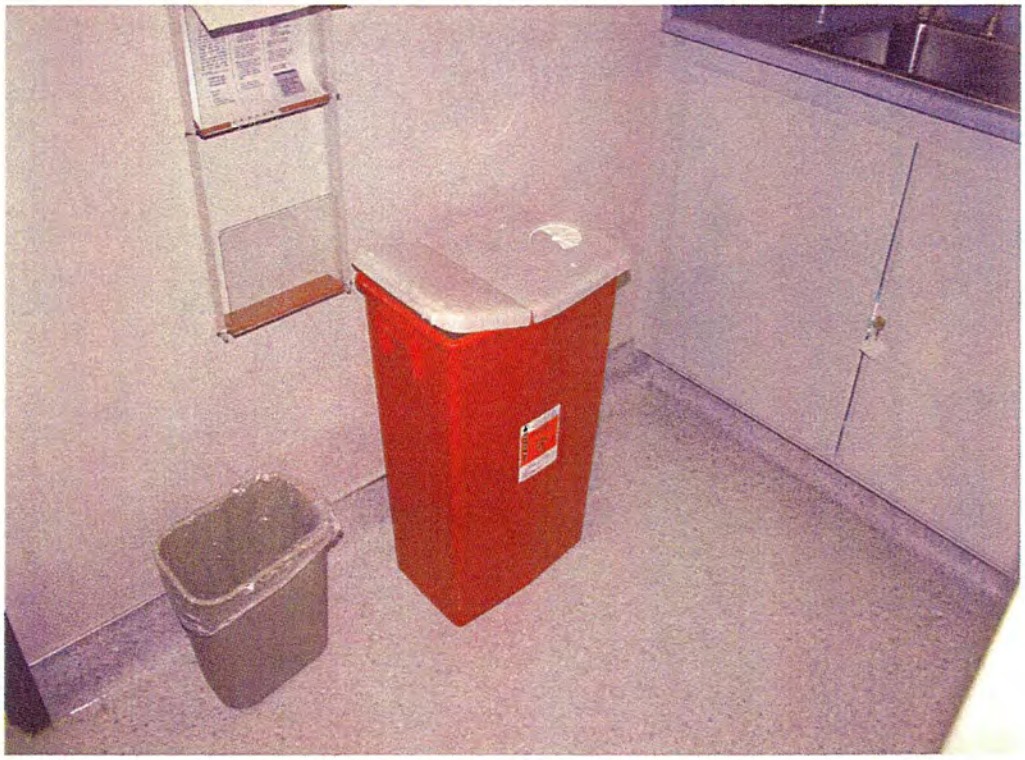
Image No.	Description
27	 View southeast towards the 2 1300-gallon propane tanks used for SITE operations.
28	 View inside Medical Systems building, inside an exam room.

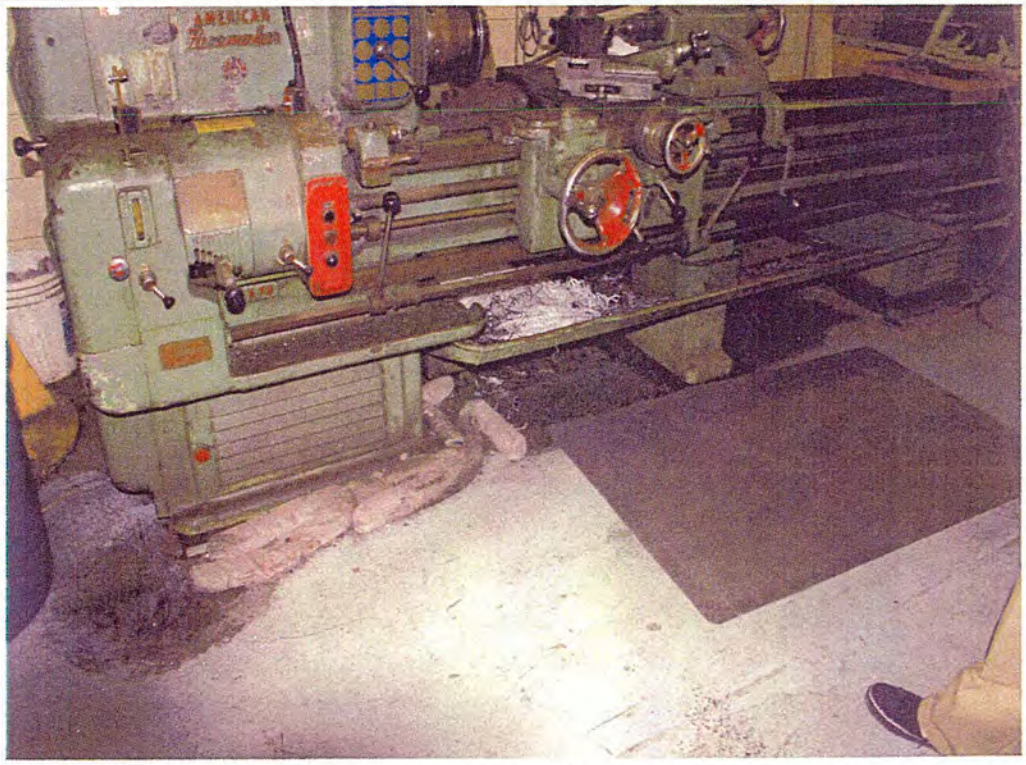
Image No.	Description
29	 HazWaste Satellite Storage shed adjacent to Facilities Maintenance building.
30	 View inside Facilities Maintenance building. Many heavy tooling machines. Leakage and staining observed. Clay absorbents at the base of many machines to catch leaks.

Image No.	Description
31	 View inside Non-Destructive Testing (NDT) Lab of a no longer used ultrasonic cleaner.
32	 NDT Lab area. Some household chemicals and soaps stored under the sink.

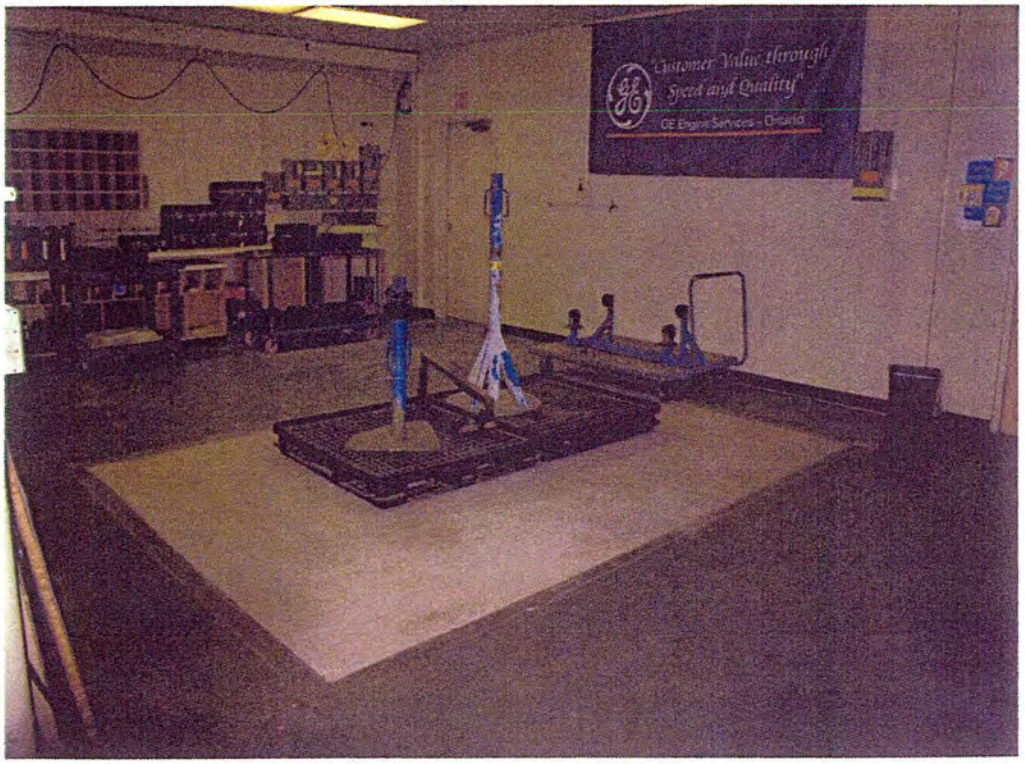
Image No.	Description
33	 NDT Lab area. Possible waste water piping leading into drain (sump).
34	 NDT Lab area. Concrete pad and remnants of a metal border.

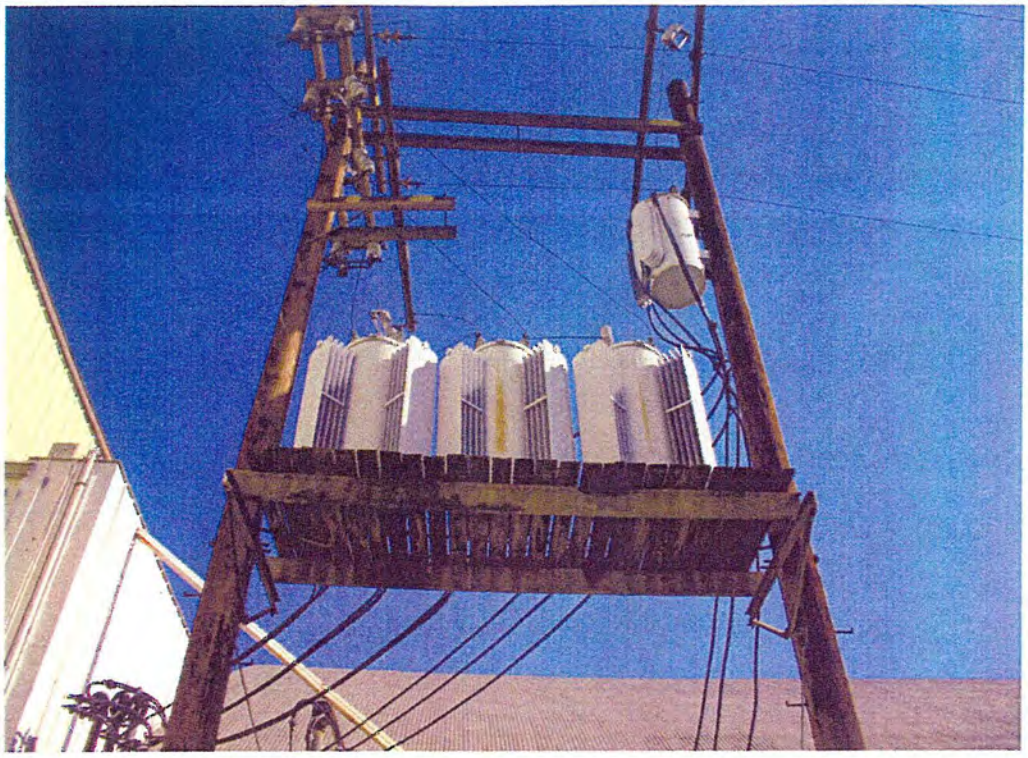
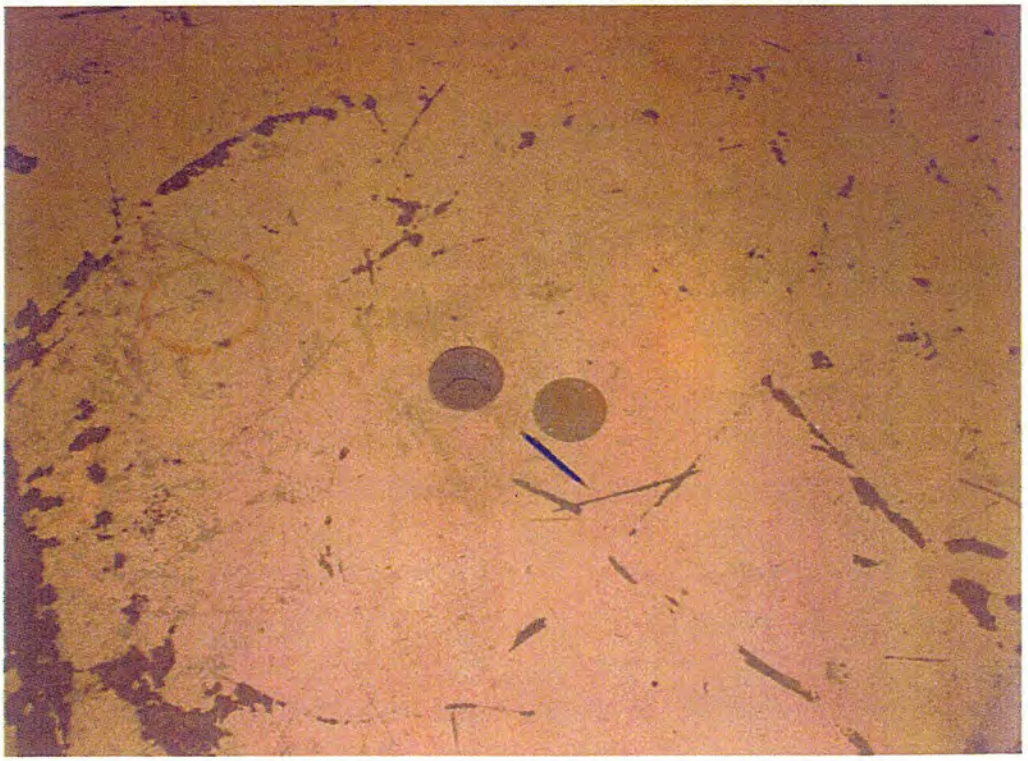
Image No.	Description
35	 Some of the several pole mounted transformers at the SITE. These particular transformers are behind (NW) the NDT Lab, and some staining was observed, though it appeared dry and old.
36	 Inside H5, Calibration Lab; concrete floor with possible boring hole seen here. A circular depression ring was evident around this hole. Former bearing cleaning area.

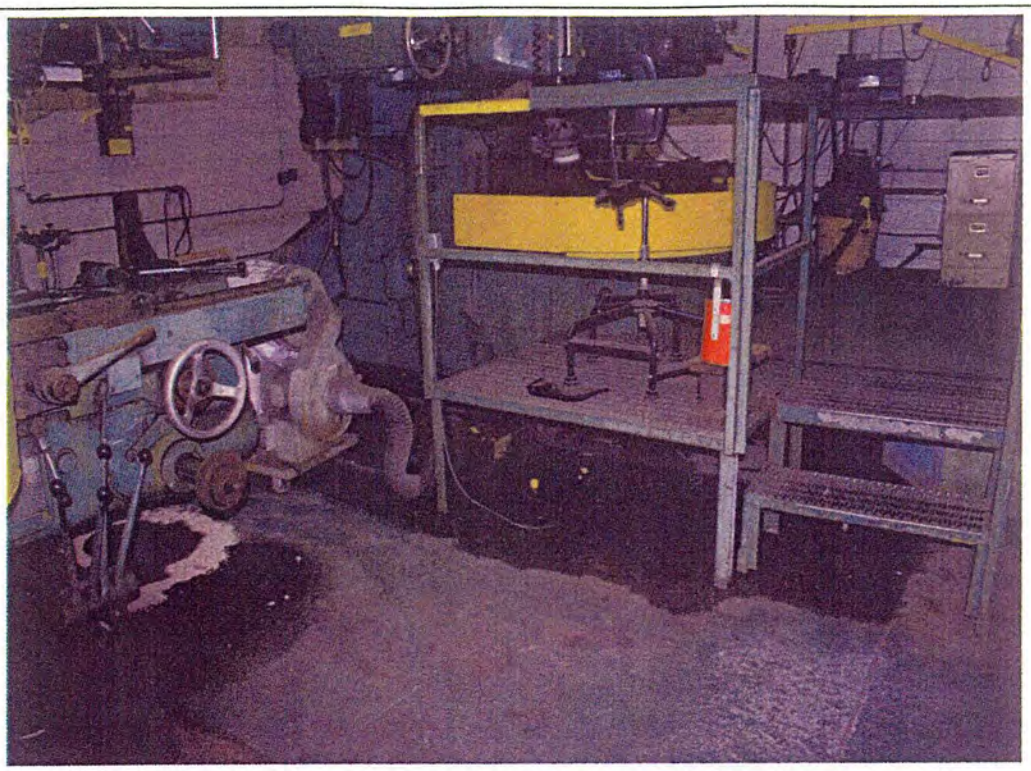
Image No.	Description
37	 Machine Shop inside H5. Machines are old, some leaking observed.
38	 Covered floor drain inside H5.

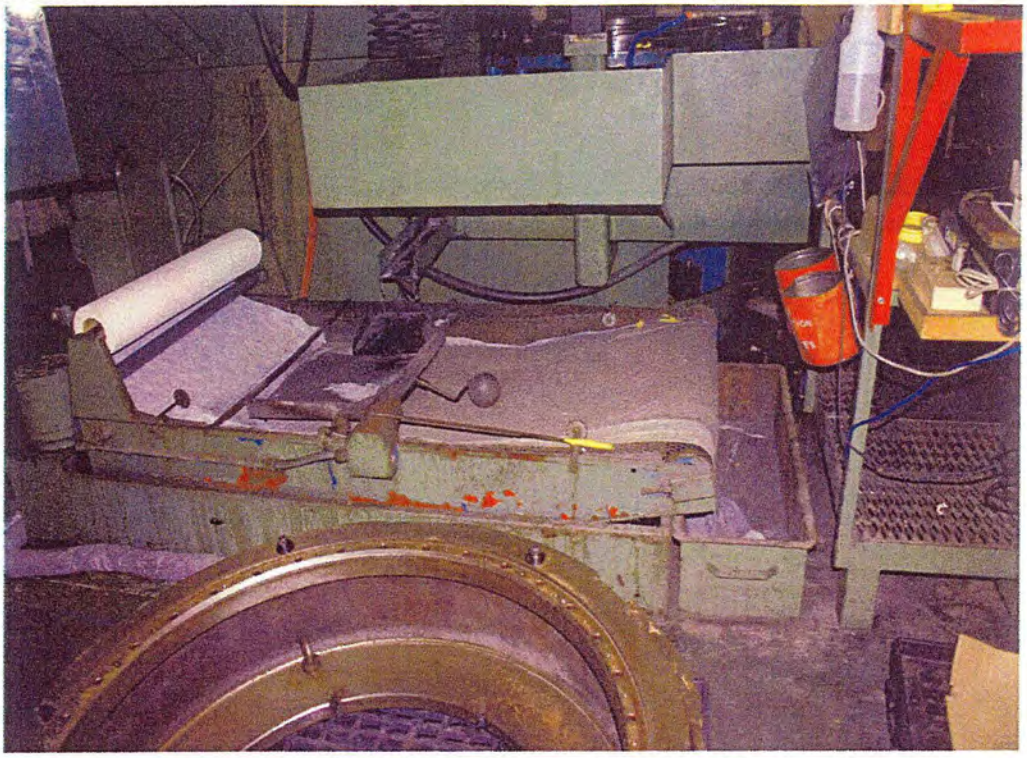
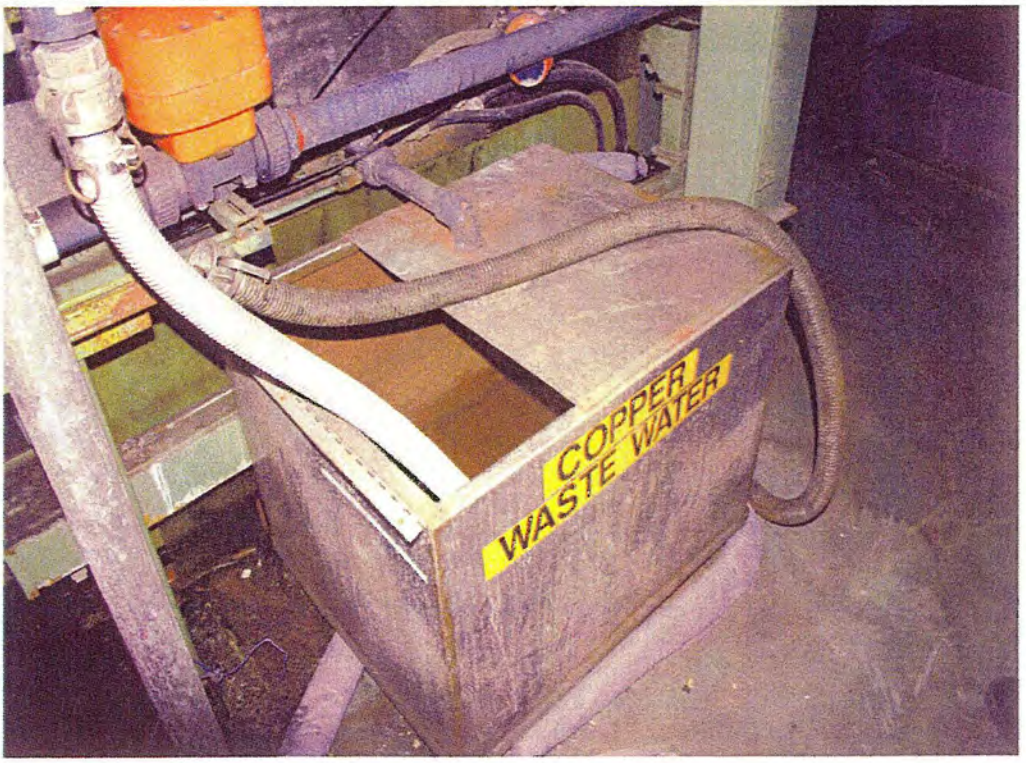
Image No.	Description
39	 Campbell Grinding Room machine inside H5.
40	 Waste water capture below grinder.

Image No.	Description
41	 Storage of temperature sensitive solvents and bonding agents inside 'Cold Room' of H2.
42	 Storage of temperature sensitive solvents and bonding agents inside 'Cold Room' of H2.

Image No.	Description
43	 Shipping storage shed. Pallets of parts and materials.
44	 Battery backup system for Data Processing building. Cabinet on right removed during week of December 18, 2005. All asbestos containing floor tiles under the cabinet are planned for removal on January 17, 2006.

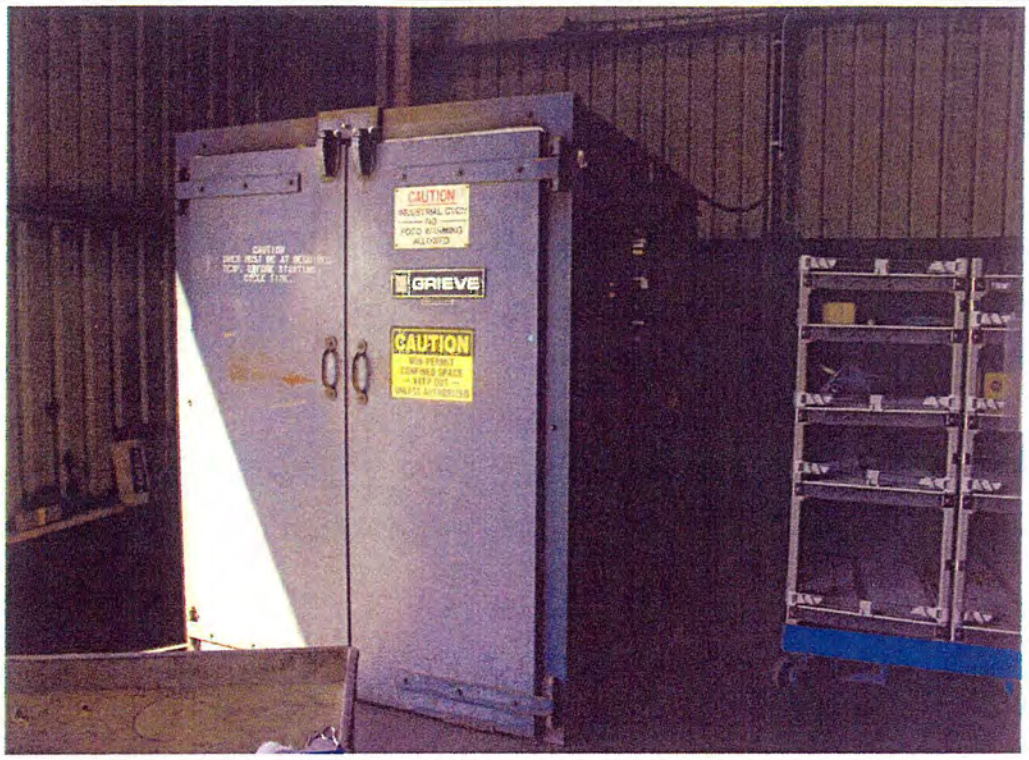
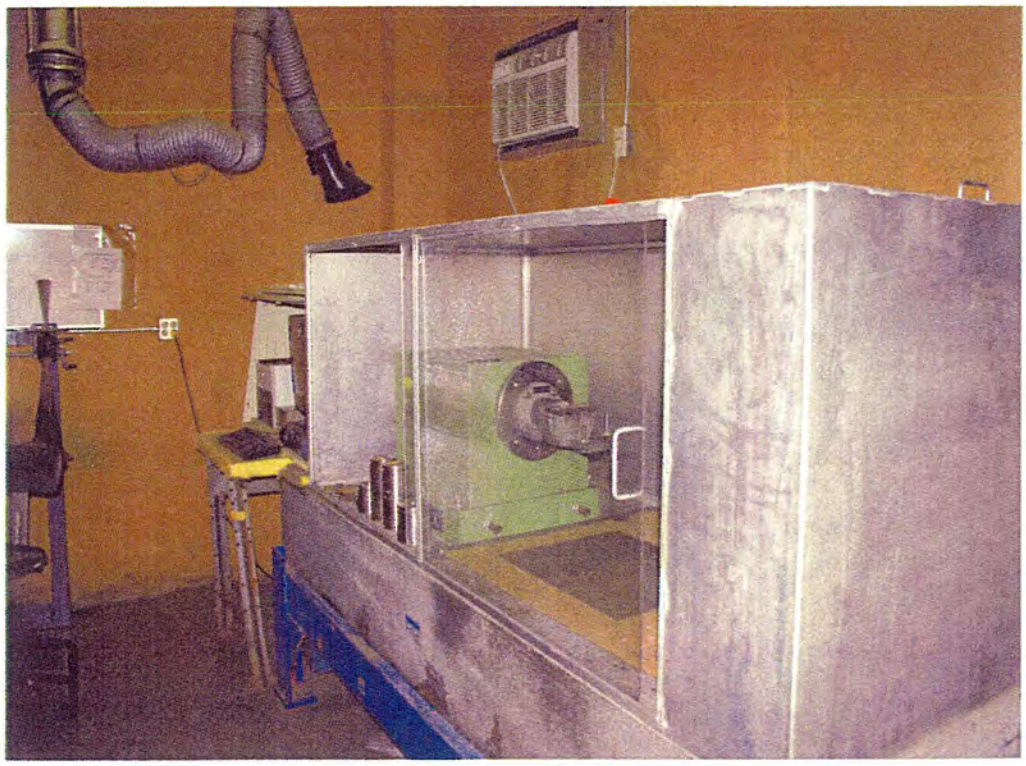
Image No.	Description
45	 Heat treating oven inside H1 Balance Area.
46	 Mag Particle machine inside H1 Annex area.

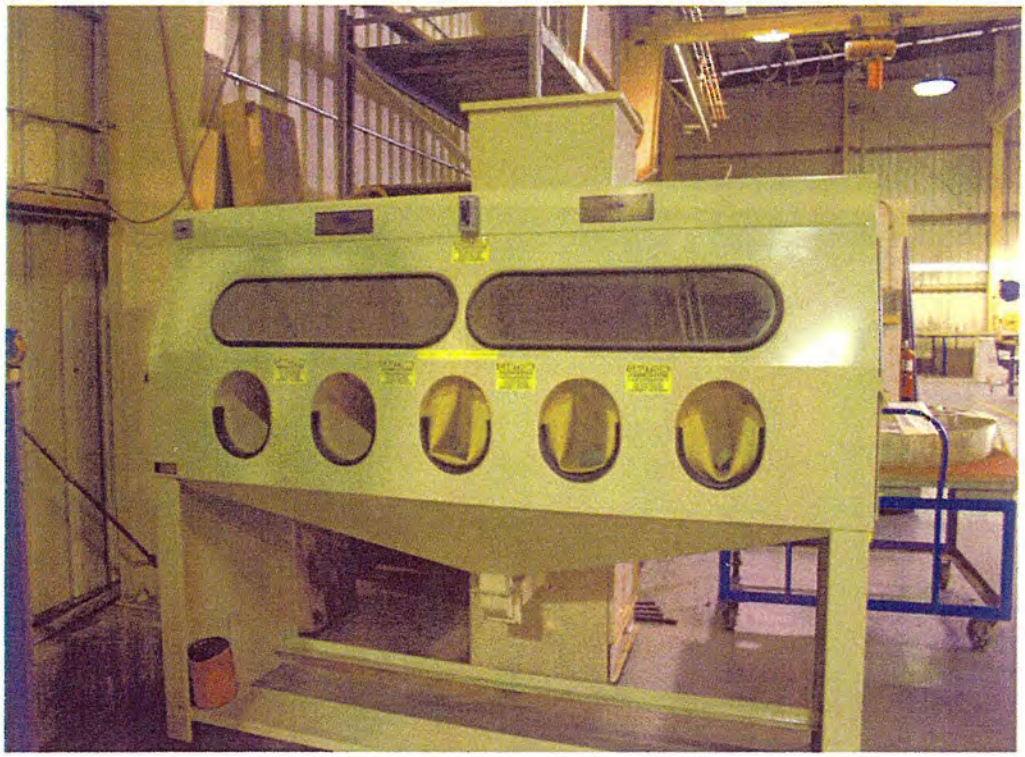
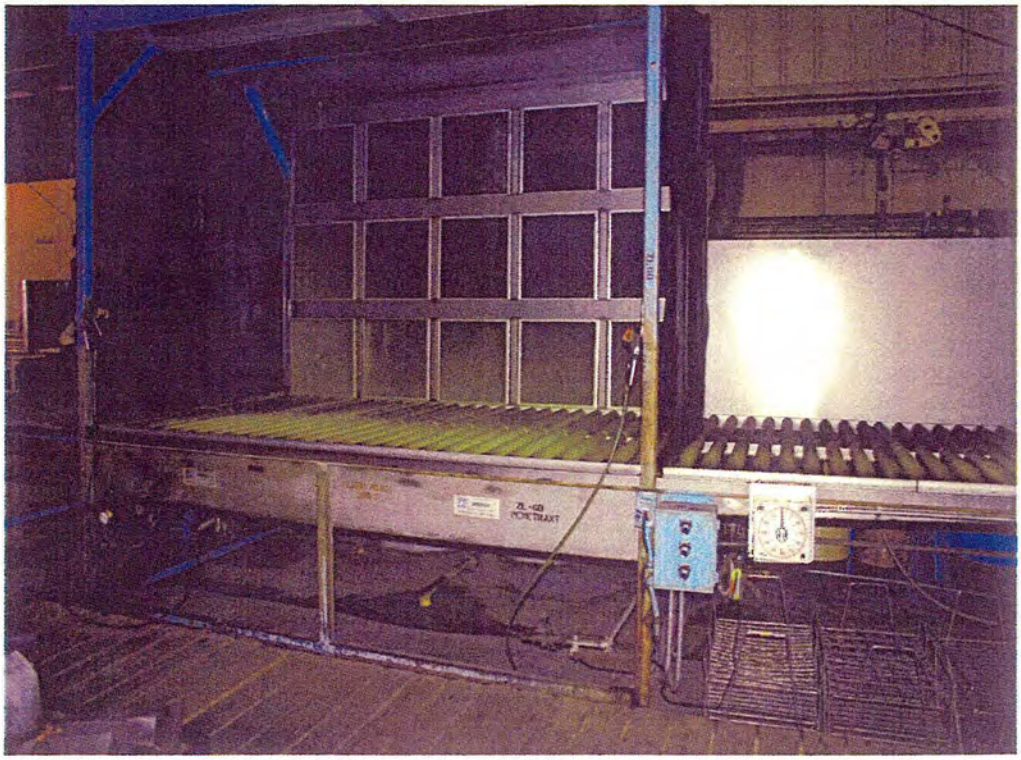
Image No.	Description
47	 H1 Annex; inspection area for parts containing asbestos.
48	 H1 Annex, Cleaning Area, FPI Line.

Image No.	Description
49	 Heavy Cleaning Area, H1 Annex. Sodium Hydroxide and other chemicals used. Floor drainage to sump leading to waste water treatment building. TCE and TCA formerly used here.
50	 Other cleaning machines in Heavy Cleaning Area.

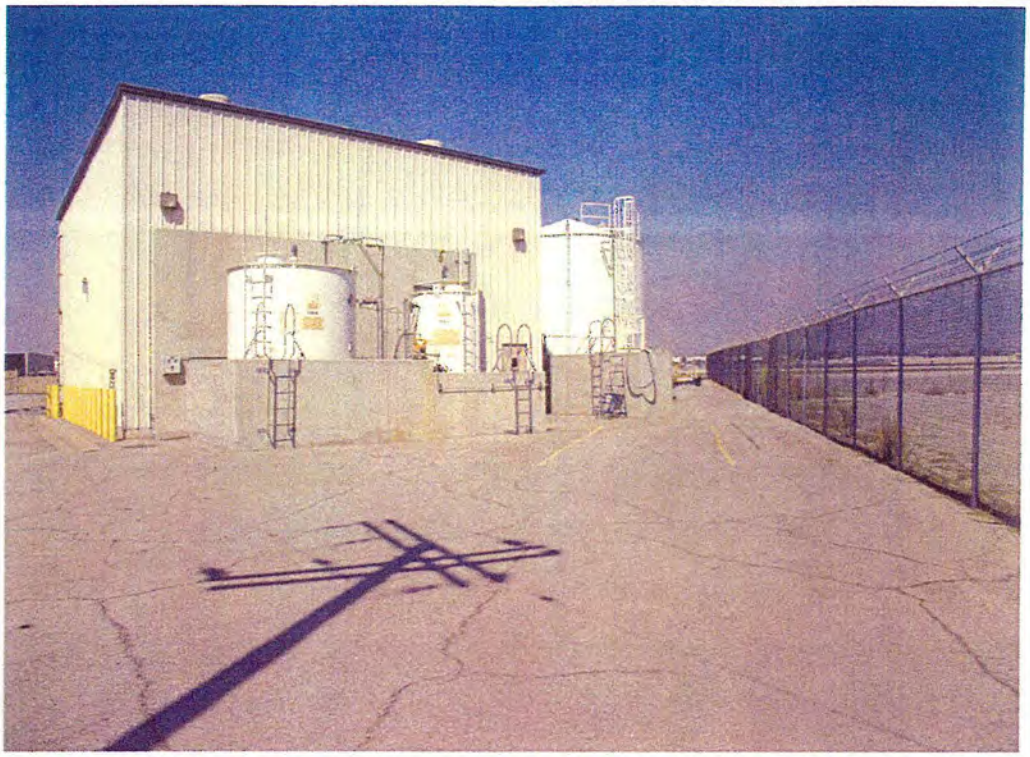
Image No.	Description
51	 View northeast at the rear side of the Waste Water Treatment building. Tanks of Sulfuric Acid and Potassium Hydroxide can be seen.
52	 Inside Waste Water Treatment building; Metal Hydroxide Sludge and pH adjusted Effluent tanks.

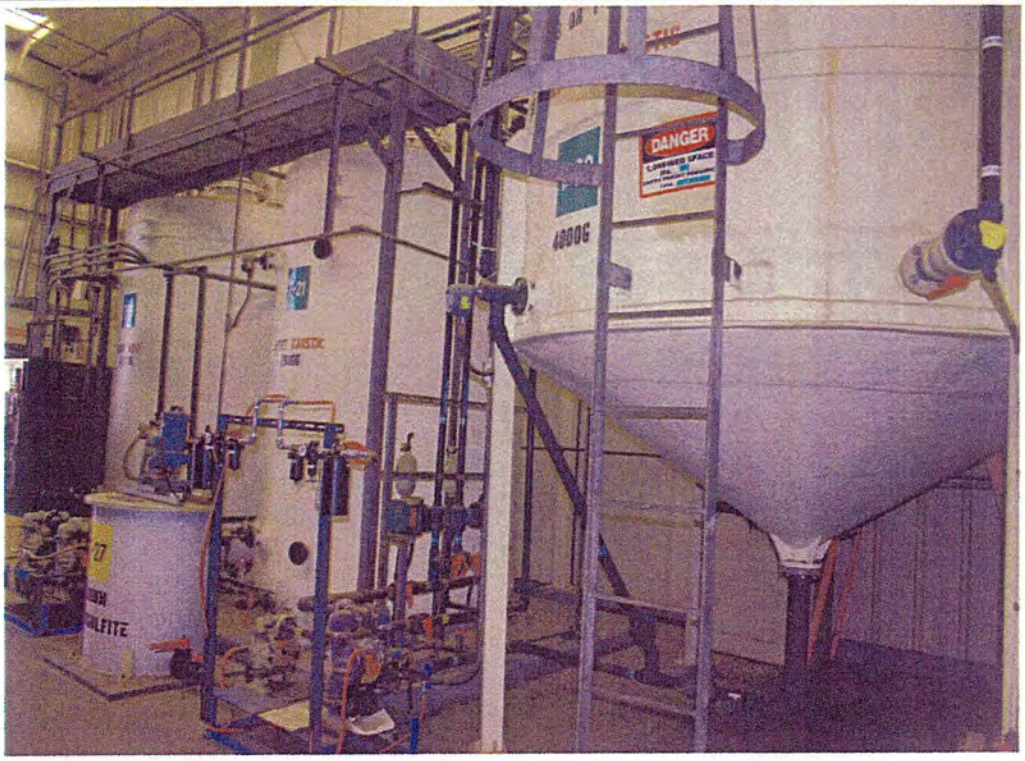
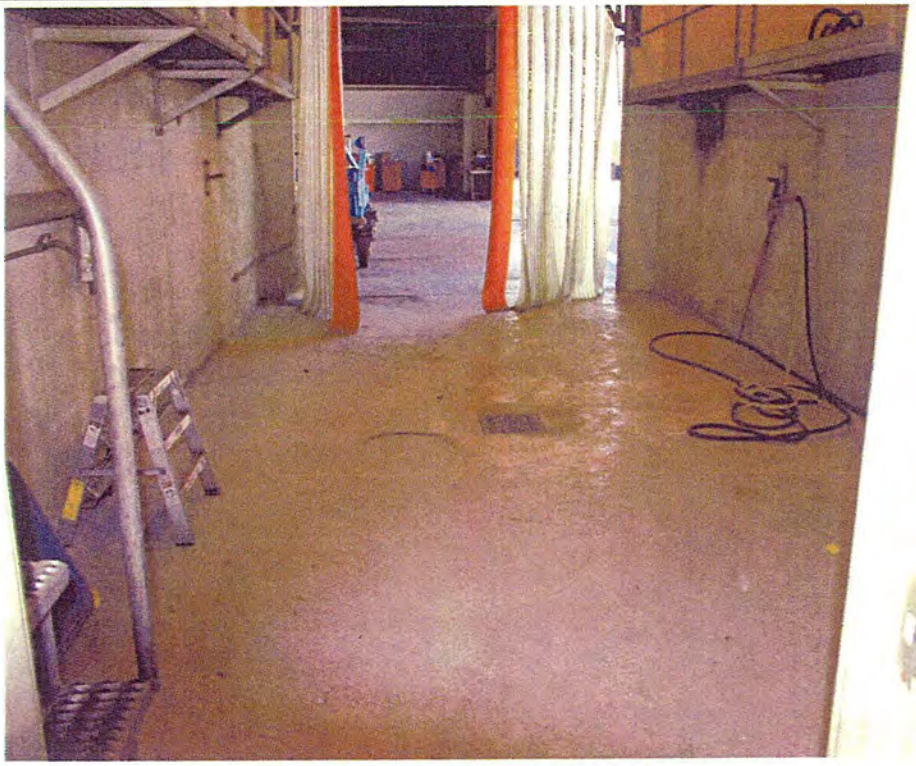
Image No.	Description
53	 Waste Water Treatment building Acid and Spent Caustic tanks.
54	 View near Flowroom cleaning area. Wash bay for engines.

Image No.	Description
55	 Unknown hole in floor of Flowroom.
56	 Floor near pipes in H1 stained from apparent leakage.

Image No.	Description
57	 Hazardous Waste Satellite Accumulation Area in H1. These are found in each of the Hangars, and some other buildings at the SITE.
58	 Gas tank storage on rear side (NE) of H5.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Appendix H

Questionnaires

GSI ENVIRONMENTAL

OWNER/OCCUPANT QUESTIONNAIRE

For Phase I Environmental Site Assessment (ESA) of:

(Please enter property name and address below)

Proposed Project Magellan Airport Cargo Center (see figure attached for area)

Who is filling this questionnaire out (Check One): Owner ☐ Occupant ☐

Question	Check One Answer			If Yes, Provide Description
1. Does the owner or occupant of the property have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?	Yes ☐	No ☐	Unk ☐	
2a. Has the owner or occupant of the property been informed of the past existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?	Yes ☐	No ☐	Unk ☐	
2b. Has the owner or occupant of the property been informed of the current existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?	Yes ☐	No ☐	Unk ☐	
2c. Has the owner or occupant of the property been informed of the past existence of environmental violations with respect to the property or any facility located on the property?	Yes ☐	No ☐	Unk ☐	
2d. Has the owner or occupant of the property been informed of the current existence of environmental violations with respect to the property or any facility located on the property?	Yes ☐	No ☐	Unk ☐	
3. Does the owner or occupant of the property have any knowledge of any environmental site assessment of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?	Yes ☐	No ☐	Unk ☐	

GSI ENVIRONMENTAL

OWNER/OCCUPANT QUESTIONNAIRE

For Phase I Environmental Site Assessment (ESA) of:

(Please enter property name and address below)

Proposed Project Magellan Airport Cargo Center (see figure attached for area)

Who is filling this questionnaire out (Check One): Owner ☐ Occupant ☐

Question	Check One Answer			If Yes, Provide Description
4. Does the *owner* or *occupant* of the *property* know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any *hazardous substance* or *petroleum products* involving the *property* by any *owner* or *occupant* of the *property*?	Yes ☐	No ☐	Unk ☐	
5a. Does the *property* discharge *waste-water* (not including sanitary waste or storm water) onto or adjacent to the *property* and/or into a storm water system?	Yes ☐	No ☐	Unk ☐	
5b. Does the property discharge waste water (not including sanitary waste or storm water) onto or adjacent to the property and/or into a sanitary sewer system?	Yes ☐	No ☐	Unk ☐	
6. Did you observe evidence, or do you have any prior knowledge that any *hazardous substances* or *petroleum products*, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the *property*?	Yes ☐	No ☐	Unk ☐	
7. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes ☐	No ☐	Unk ☐	
8. Has the Owner or Occupant of the property been informed or is otherwise aware of current or past dry-cleaning operations occurring at the Site?	Yes ☐	No ☐	Unk ☐	

Signature: _____

Printed Name _____

Affiliation _____

Date: _____

USER QUESTIONNAIRE
For Phase I Environmental Site Assessment (ESA) of:
(Please enter property name and address below).

Proposed Project Magellan Airport Cargo Center (see figure attached for area)

In order to qualify for one of the *Landowner Liability Protections (LLP's)*[1] offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments"),* the *user* (of the Phase I ESA) must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional* (GSI). Failure to conduct these inquiries could result in a determination that "*all appropriate inquires"* is not complete.

1. **Why is the Phase 1 being performed?**

2. **Environmental liens that are filed or recorded against the *property* (40 CFR 312.25).**

   Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law? NOTE 1 – In certain jurisdictions, federal, tribal, state or local statutes, or regulations specify that environmental liens and AUL's be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AUL's.

[1] *Landowner Liability Protections, or LLP's*, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability ("Common Elements" Guide)* issued on March 6, 2003.

USER QUESTIONNAIRE
For Phase I Environmental Site Assessment (ESA) of:
(Please enter property name and address below).

Proposed Project Magellan Airport Cargo Center (see figure attached for area)

3. **Activity and use limitations that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26 (a)(1)(v) and vi)).**

   Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 above) identify any AUL's, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law?

4. **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).**

   Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

5. **Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).**

   Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

Please Initial Here_____

GSI ENVIRONMENTAL

USER QUESTIONNAIRE
For Phase I Environmental Site Assessment (ESA) of:
(Please enter property name and address below).

Proposed Project Magellan Airport Cargo Center (see figure attached for area)

6. **Commonly known or *reasonably ascertainable* information about the *property* (40 CRF 312.30).**

   Are you aware of commonly known or reasonable ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example:

   (a.) Do you know the past uses of the *property*?

   (b.) Do you know the specific chemicals that are present or once were present at the *property*?

   (c.) Do you know of spills or other chemical releases that have taken place at the *property*?

   (d.) Do you know of any environmental cleanups that have taken place at the *property*?

7. **The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).**

   Based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of releases at the *property*?

Please Initial Here_____

USER QUESTIONNAIRE
For Phase I Environmental Site Assessment (ESA) of:
(Please enter property name and address below).

Proposed Project Magellan Airport Cargo Center (see figure attached for area)

8. **Do you have any other knowledge or experience with the *property* that may be pertinent to the *environmental professional* (for example, copies of any available prior *environmental site assessment reports*, documents, correspondence, etc., concerning the *property* and its environmental condition)?**

Signature _____ Printed Name _____

Affiliation _____ Date _____

Please Initial Here_____



N

LEGEND

- Proposed Building
- Phase 1 Site

Notes

Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).

Feet
0 125 250

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

GSI ENVIRONMENTAL

SITE OUTLINE WITH PROPOSED BUILDINGS

Proposed Project Magellan Airport Cargo Distribution Center
Former Ontario Airport Property, Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	2-Nov-2021	Chk'd By:	SC
Map ID:	**ONT_SitePropBldgs**	Appv'd By:	

FIGURE 1

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Appendix I

Agency File Requests/Responses

Est. 1988

Environmental Support Services

Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
P) 949.429.3564 | F) 949.429.3563 | E) Shannon@EnvironmentalSupportServices.com
www.EnvironmentalSupportServices.com | EIN# 83-0533710

September 14, 2021

Project Name: Ontario

GSI Environmental
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attention: Samantha Curtis

Dear Ms. Curtis,

Attached is the Environmental (Hazardous/Toxic Waste) Records Search Summary of the 1049 South Vineyard Avenue, 2500 Jarupa Street, 1230 & 1250 Tower Drive, 1280 South Tower Drive, 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion ("Ontario") site located in Ontario, California. Environmental Support Services ("**ESS**") received the request on September 1, 2021 (See Appendix A). Should you have any questions regarding the summary, please call.

Sincerely,
Environmental Support Services

Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

shannon environmentalsupportservices.com

From: Samantha Curtis <scurtis@gsi-net.com>
Sent: Wednesday, September 1, 2021 3:27 PM
To: shannon environmentalsupportservices.com
Cc: Erika F Anderson; Samantha Curtis; Bita Tabatabai
Subject: GSI 5925: Ontario Airport File Review Request

Hi Shannon,

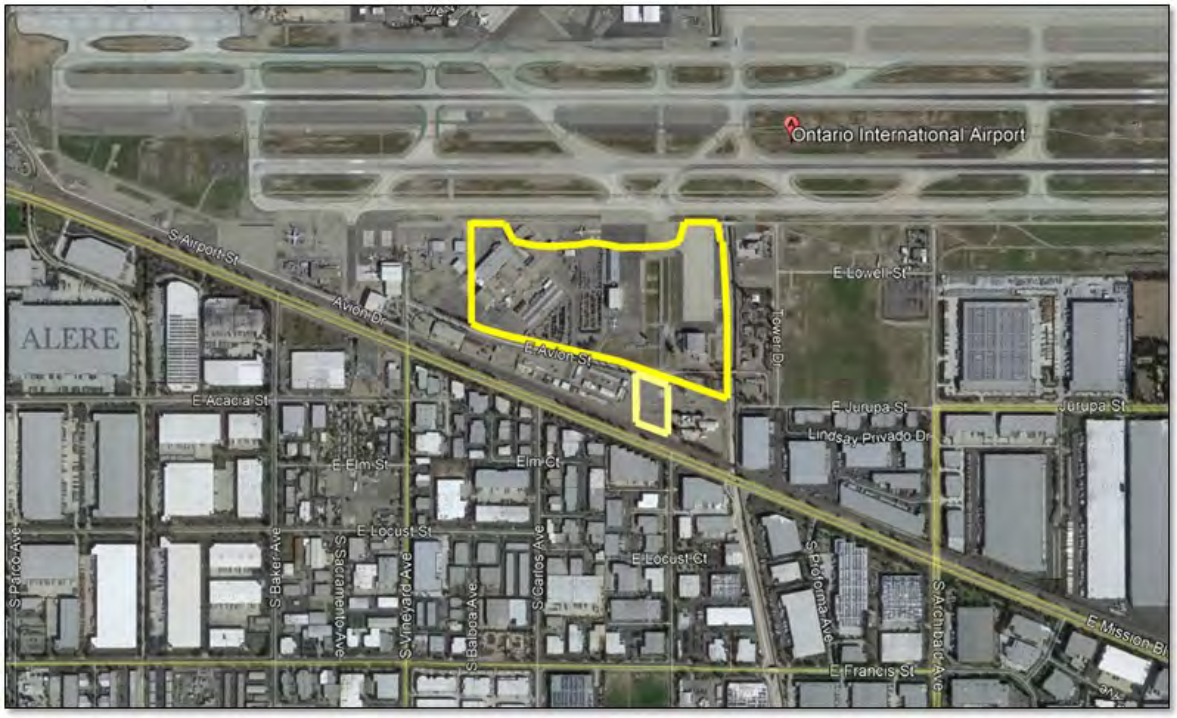
We would like to request all available agency records for this site at the Ontario airport. All of the addresses that we know of are listed below as well as the APN numbers. All addresses are in Ontario, CA. and some of them are listed as Street/Drive/Place.

We have also included a figure at the bottom that identifies the site location in yellow. If it is possible to get a report of initial records back by Sept. 14th, that would be ideal. Please let us know if you have any questions.

- 1049 South Vineyard Avenue
- 1280 South Tower Drive
- 1801 East Avion Drive
- 1922 East Avion Street
- 1923 East Avion Street (also Drive and Place)
- 2132 Avion (Also East Avion Street)
- 2161 East Avion Street
- 2264 East Avion Street (also Place)
- 2475 East Avion Street
- 2500 Jarupa Street
- 1230 Tower Drive
- 1250 Tower Drive

The parcels associated with the property are as follows:

- Parcel 61/ APN 011326106 (approximately 38 acres)
- Parcel 62/ APN 011326107 (approximately 15 acres)
- Parcel 63/ APN 011326108 (approximately 2 acres)
- Parcel 67/ APN 011327101 (approximately 9 acres)
- Parcel 68/ APN 011327102 (approximately 11 acres)



Thank you!

Sam

Samantha Curtis, PG | Senior Geologist | GSI Environmental Inc.
19200 Von Karman Avenue | Suite 800 | Irvine, California 92612
Office: 949.679.1070 | Cell: 949.870.6820
scurtis@gsienv.com | www.gsi-net.com

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Appendix A

Environmental (Hazardous/Toxic Waste) Records Search
Order Form

Records Search Summary

Company:	GSI Environmental
Project Name:	Ontario
Attention:	Samantha Curtis
Street Address of Property:	1049 South Vineyard Avenue, 2500 Jarupa Street, 1230 & 1250 Tower Drive, 1280 South Tower Drive, 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion Ontario, CA APNs 011326106, -07, -08, 011327101 & -02

San Bernardino County Fire Department

E-mailed request: 9-1-21, Contact: Maria Molina/Donna Juday

ESS submitted a request for a records search concerning the Ontario site to Ms. Molina/Ms. Juday, with the San Bernardino County Fire Department (See Appendix B). **ESS** requested information concerning the utilization, manufacture, storage and/or discharge of hazardous materials/waste, and any information concerning previous or on-going site investigations/remediations pertaining to hazardous materials/waste. As of September 14, 2021, Ms. Molina/Ms. Juday had not completed **ESS'** request. Should any information concerning the site surface, **ESS** will immediately forward it to Ms. Curtis at the GSI Environmental office.

Department of Toxic Substances Control (DTSC) – Cypress Office

E-mailed request: 9-1-21, Contact: Julie Johnson/Jone Barrio

Previous contacts with the DTSC have disclosed that this office only collects and stores information (such as treatment, storage and disposal of hazardous waste) concerning sites which have existing businesses, industries, etc. present. **ESS** requested that Ms. Johnson/Ms. Barrio, with the DTSC, check the file room records for any files/information concerning 1049 South Vineyard Avenue, 2500 Jarupa Street, 1230 & 1250 Tower Drive, 1280 South Tower Drive, 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion, Ontario, CA (See Appendix C). Ms. Barrio, with that department informed **ESS** on September 3, 2021 that her department did have files/information concerning the Ontario site (See Appendix C). Per Ms. Curtis' instructions on September 3, 2021, **ESS** did not schedule an appointment to have the paper files reviewed.

Department of Toxic Substances Control (DTSC) – Chatsworth Office

E-mailed request: 9-1-21, Contact: Glenn Castillo/Robert Hardison

Previous contacts with the DTSC have disclosed that this office only collects and stores information (such as treatment, storage and disposal of hazardous waste) concerning sites which have existing businesses, industries, etc. present. **ESS** requested that Mr. Castillo/Mr. Hardison, with the DTSC, check the file room records for any files/information concerning 1049 South Vineyard Avenue, 2500 Jarupa Street, 1230 & 1250 Tower Drive, 1280 South Tower Drive, 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion, Ontario, CA (See Appendix D). Mr. Hardison, with that department informed **ESS** on September 2, 2021 that the Cypress Office has all the files/information concerning the Ontario site (See Appendix D) (See Above).

Cal Fire - Office of the State Fire Marshal

On-line request: 9-1-21, Contact: Pubic Records Request

ESS requested that the Public Records Section, with Cal Fire - Office of the State Fire Marshal, check their records concerning the storage of hazardous materials/waste, pipelines and underground storage tanks with regards to the following: 1049 South Vineyard Avenue, 2500 Jarupa Street, 1230 & 1250 Tower Drive, 1280 South Tower Drive, 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion, Ontario, CA (See Appendix E). Mark Springer, with that department informed **ESS** September 10, 2021 that his department had no pipelines for the Ontario site (See Appendix E). He informed **ESS** September 10, 2021 he needed an extension until September 27, 2021 to complete the remainder of **ESS'** request for the Ontario site (See Appendix E).

City of Ontario Fire Department

On-line request: 9-1-21, Contact: Public Records Section

ESS requested that the Public Records Section, with the City of Ontario City Clerk's Office, check the Fire Department records concerning the storage of hazardous materials/waste and underground storage tanks with regards to the following: 1049 South Vineyard Avenue, 2500 Jarupa Street, 1230 & 1250 Tower Drive, 1280 South Tower Drive, 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion, Ontario, CA (See Appendix F). They informed **ESS** September 7, 2021 that their department had no records for 1049 South Vineyard Avenue, 2500 Jarupa Street, 1230 & 1250 Tower Drive, 1280 South Tower Drive, 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion, Ontario, CA and all records concerning the storage of hazardous materials/waste, hazardous spills and underground storage tanks for sites in Ontario would be kept with the lead agency, San Bernardino County Fire Department (See Above) (See Appendix F). No further information concerning the site was obtained from the fire department at the time of the investigation.

City of Ontario of Public Works Department

On-line request: 9-1-21, Contact: Public Records Section

ESS requested that the Public Records Section, with the City of Ontario City Clerk's Office, check the Public Works Department records for any information concerning industrial waste discharge permits or violations for 1049 South Vineyard Avenue, 2500 Jarupa Street, 1230 & 1250 Tower Drive, 1280 South Tower Drive, 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion, Ontario, CA (See Appendix G). They informed **ESS** September 7, 2021 that their department had no records for 1049 South Vineyard Avenue, 2500 Jarupa Street, 1230 & 1250 Tower Drive, 1280 South Tower Drive, 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion, Ontario, CA (See Appendix G).

City of Ontario Building Department

On-line request: 9-1-21, Contact: Public Records Section

ESS requested that the Public Records Section with the City of Ontario City Clerk's Office, provide the building records (all building permits and certificates of occupancy) for 1049 South Vineyard Avenue, 2500 Jarupa Street, 1230 & 1250 Tower Drive, 1280 South Tower Drive, 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion, Ontario, CA (See Appendix H). They provided **ESS** September 13, 2021 with all the available records for the addresses (See Appendix H). No further information concerning the site was obtained from the building department at the time of the investigation.

South Coast Air Quality Management District (SCAQMD)

On-line request: 9-1-21, Contact: Public Records Section

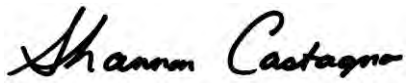
ESS submitted a search request concerning active, inactive and sold files concerning 1049 South Vineyard Avenue, 2500 Jarupa Street, 1230 & 1250 Tower Drive, 1280 South Tower Drive, 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion, Ontario, CA to the Public Records Section at the SCAQMD (See Appendix I). Lora Trapp, with that department informed **ESS** September 3, 2021 that her department had no records for 1049 South Vineyard Avenue, Ontario, CA (See Appendix I). Lisa Ramos, with that department informed **ESS** September 3, 2021 that her department did have records for 1230 & 1250 Tower Drive, 1280 South Tower Drive, Ontario, CA (See Appendix I). Stacey Walkowiak, with that department informed **ESS** September 10, 2021 she needed a 30 day extension to complete **ESS'** request for 2500 Jarupa Street, Ontario, CA (See Appendix I). Should any information concerning the site surface, **ESS** will immediately forward it to Ms. Curtis at the GSI Environmental office. Stacey Walkowiak, with that department informed **ESS** September 10, 2021 she needed a 30-60 day extension to complete **ESS'** request for 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion, Ontario, CA (See Appendix I). Should any information concerning the site surface, **ESS** will immediately forward it to Ms. Curtis at the GSI Environmental office.

Regional Water Quality Control Board (RWQCB) – Santa Ana Region

E-mailed request: 9-1-21, Contact: Public Records Section

ESS requested that the Public Records Section, with the RWQCB, provide the files for 1049 South Vineyard Avenue, 2500 Jarupa Street, 1230 & 1250 Tower Drive, 1280 South Tower Drive, 1801 East Avion Drive & 1923 East Avion Drive, 1923 & 2264 East Avion Place 1922, 1923, 2132, 2161, 2264 & 2475 East Avion Street and 2132 Avion, Ontario, CA (See Appendix J). They informed **ESS** September 14, 2021 that their department did have records for the Ontario site (See Appendix J). Per Ms. Curtis' instructions on September 14, 2021, **ESS** did not schedule an appointment to have the paper files reviewed. No further information concerning the site was obtained from the RWQCB at the time of the investigation.

Records Search completed by:



Shannon Castagno
Project Manager
Environmental Support Services

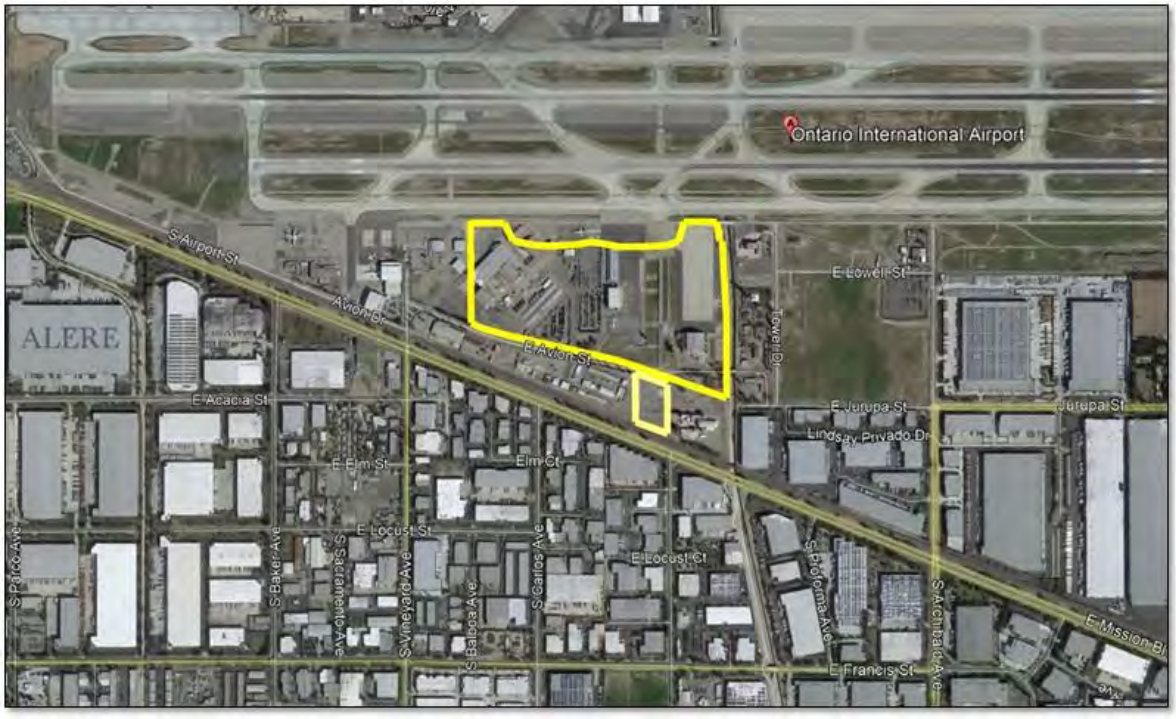
The information provided in this report was obtained by a comprehensive examination of public records, public information and public servant communications. The degree of care performed by **ESS** is equivalent to that exercised by environmental companies performing similar records searches.

Please let us know if you have any questions.

- 1049 South Vineyard Avenue
- 1280 South Tower Drive
- 1801 East Avion Drive
- 1922 East Avion Street
- 1923 East Avion Street (also Drive and Place)
- 2132 Avion (Also East Avion Street)
- 2161 East Avion Street
- 2264 East Avion Street (also Place)
- 2475 East Avion Street
- 2500 Jarupa Street
- 1230 Tower Drive
- 1250 Tower Drive

The parcels associated with the property are as follows:

- Parcel 61/ APN 011326106 (approximately 38 acres)
- Parcel 62/ APN 011326107 (approximately 15 acres)
- Parcel 63/ APN 011326108 (approximately 2 acres)
- Parcel 67/ APN 011327101 (approximately 9 acres)
- Parcel 68/ APN 011327102 (approximately 11 acres)



Appendix B

Request for Records Search to the
San Bernardino County Fire Department

CUPA
San Bernardino County Fire Protection District • Hazardous Materials Division
620 S. E St., San Bernardino, CA 92415-0153 • (909) 386-8468 FAX (909) 386-8460
hazmatrecords@sbcfire.org

REQUEST FOR AN ENVIRONMENTAL AUDIT PHASE 1 CERTIFIED HAZARDOUS MATERIALS RECORDS SEARCH FINDING REPORT

The main focus of a REQUEST FOR AN ENVIRONMENTAL AUDIT PHASE 1 CERTIFIED HAZARDOUS MATERIALS RECORDS SEARCH FINDING REPORT is to determine whether there exists in San Bernardino County Fire Protection District (SBCFPD) any record relating to contamination or reports of spills at a particular site. An Environmental Phase 1 Certified Hazardous Materials Records Search Finding Report should reveal whether there are any facilities at the site that are subject to current or past regulatory activity by SBCFPD, such as underground storage tanks, hazardous material handlers, hazardous waste generators, and CalARP facilities, as well as any reports of spills, incidents, complaints, or cleanup activity, which can be a useful tool in providing a history of compliance or non-compliance.

Once SBCFPD has completed its records search, an Environmental Phase 1 Certified Hazardous Materials Records Search Finding Report will be prepared and issued. Such report will detail all SBCFPD records associated with a particular site by type, date, location, and status (where applicable). All files identified in an Environmental Phase 1 Certified Hazardous Materials Records Search Finding Report can be made available for copies and/or review upon request.

If the completed records search reveals no SBCFPD record of hazardous material activity at the site, an Environmental Phase 1 Certified Hazardous Materials Records Search Finding Report will be issued, noting that "no records" were identified.

Please provide a specific site address or location description. If a situs address does not exist or cannot be found, list another type of location identifier such as Assessor Parcel Number (preferable), cross streets or intersections (e.g., NWC 5th Ave. & Main St.), and/or legal description. If possible, please attach a map to this request form.

SITE INFORMATION		
Property Owner or Business Name	Location (Site Address and/or Assessor Parcel No.)	City/Community
Ontario Airport Site	See Attached	Ontario

Please provide your name, the company you represent, and contact information below.

REQUESTOR INFORMATION			
NAME	Shannon Castagno	COMPANY (*If individual, leave blank*)	
MAILING ADDRESS	30251 Golden Lantern, Suite #E-305 Laguna Niguel, CA 92677	STATE	ZIP CODE
TELEPHONE	Tel: 949-429-3564 - Fax: 949-429-3563 Shannon@EnvironmentalSupportServices.com		

So that we may provide better service, please check one or more of the boxes below which best describe how the findings of the Env. Audit Phase 1 Certified Hazardous Materials Records Search will be used and/or your relationship to the property in question.

PURPOSE OR RELATIONSHIP TO PROPERTY

- ☑ 1. Phase I site assessment or due diligence **AT THE SITE**
- ☐ 2. Environmental professional involved with remediation **AT THE SITE**
- ☐ 3. Phase I site assessment or due diligence **NEARBY**
- ☐ 4. Environmental professional involved with remediation **NEARBY**
- ☐ 5. Proposed School Site (1/4 mi. search for AHM)
- ☐ 6. Proposed Drinking Water Well
- ☐ 7. Owner or operator of the facility or property
- ☐ 8. Potential buyer
- ☐ 9. Real Estate Agent, Lender, Appraiser
- ☐ 10. Pending escrow
- ☐ 11. Proposed redevelopment
- ☐ 12. Legal or other reason: _____

AGENCY USE

Phase 1 Certified Record Search Finding Report issued: __/__/__	Reference No:
Phase 1 Certified "No Record" Finding Report issued: __/__/__	Amount Paid:
	Receipt No.:
	Date:

** IMPORTANT –THIS PAGE MUST BE SIGNED PRIOR TO SUBMITTAL **

DISCLAIMER: While all attempts are made to provide accurate, current, and reliable information, San Bernardino County Fir Protection District *(further referred to as SBDFPD)* recognizes the possibility of human error. Therefore, SBCFPD, its officers employees, agents and volunteers, make no representations as to the accuracy, completeness or suitability of an Environmental Audi Phase 1 Certified Hazardous Materials Records Search Finding Report and provides an Environmental Audit Phase 1 Certifie Hazardous Materials Records Search Finding Report "as is," with no warranties, express or implied, including the implied warranty o fitness for a particular purpose. In no event shall SBCFPD be liable for any damages of any nature whatsoever, arising out of th issuance of a Certified Hazardous Materials Records Search Finding Report. SBCFPD therefore assumes no liability for damage incurred directly or indirectly as a result of any errors, omissions or discrepancies in a Certified Hazardous Materials Records Searcl Finding Report.

RELEASE AND INDEMNIFICATION: In consideration for the issuance of an Environmental Audit Phase 1 Certified Hazardou Materials Records Search Finding Report, I hereby release and forever discharge SBCFPD, its officers, employees, agents an volunteers from any and all claims, actions, losses, damages and/or liability in connection with SBCFPD's issuance of an Environmenta Audit Phase 1 Certified Hazardous Materials Records Search Finding Report, including, but not limited to, claims that may arise du to the active or passive negligence of SBCFPD, its officers, employees, agents and volunteers.

I am familiar with the provisions of California Civil Code Section 1542, which provides as follows:

"A general release does not extend to claims which the creditor does not know or suspect to exist in his or her favor at the time o executing the release, which if known by him or her must have materially affected his or her settlement with the debtor."

I hereby expressly waive any and all rights that I may have there under. I understand and acknowledge the significance an consequence of this specific waiver of California Civil Code Section 1542 and assume full responsibility for any injuries, damages, losse or liabilities that I may hereafter discover as possibly resulting from SBCFPD's issuance of an Environmental Audit Phase 1 Certifie Hazardous Materials Records Search Finding Report.

In further consideration for SBCFPD's issuance of an Environmental Audit Phase 1 Certified Hazardous Materials Records Searcl Finding Report, I hereby agree, for myself, my heirs, administrators, executors and assigns, that I shall indemnify, defend (with counse approved by County) and hold harmless SBCFPD, its officers, employees, agents and volunteers from any and all claims, demands actions or suits arising out of or in connection with SBCFPD's issuance of an Environmental Audit Phase 1 Certified Hazardou Materials Records Search Finding Report brought by any third party.

I have read the above terms and conditions, including the paragraphs entitled "DISCLAIMER" and "RELEASE AN INDEMNIFICATION", and by my signature below, I affirm that I understand these terms and conditions and accept them as part o my REQUEST FOR AN ENVIRONMENTAL AUDIT PHASE 1 CERTIFIED HAZARDOUS MATERIALS RECORDS SEARCI FINDING REPORT.

I hereby request an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report for the location described on Page 1 of this application.

- ☐ **I am including payment of the initial fee of $136.00, for the first hour of research, by check or money order, payable to San Bernardino County Fire Protection District, or by credit card payment taken over the phone. I understand that research exceeding one hour will be billed at the rate of $136.00 for each additional hour spent by SBCFPD in completing this request.**
- ☑ **I have faxed or emailed this request and will forward payment along with the original request form within 48 hours.**

REQUESTOR'S SIGNATURE	
SIGNATURE OF REQUESTOR Shannon Castagno	DATE 9/1/21

Rev. 05/06/2020

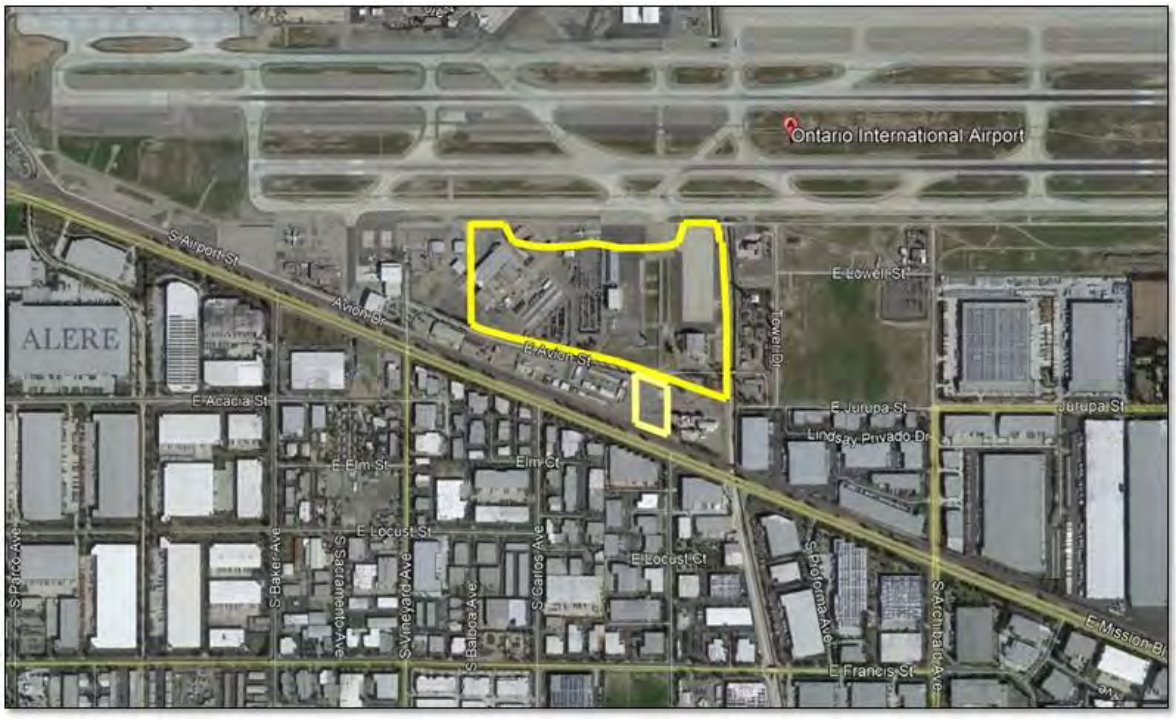
We would like to request an agency records search for this site at the Ontario airport. All of the addresses that we know of are listed below as well as the APN numbers. All addresses are in Ontario, CA. and some of them are listed as Street/Drive/Place.

We have also included a figure at the bottom that identifies the site location in yellow. Please let us know if you have any questions.

- 1049 South Vineyard Avenue
- 1280 South Tower Drive
- 1801 East Avion Drive
- 1922 East Avion Street
- 1923 East Avion Street (also Drive and Place)
- 2132 Avion (Also East Avion Street)
- 2161 East Avion Street
- 2264 East Avion Street (also Place)
- 2475 East Avion Street
- 2500 Jarupa Street
- 1230 Tower Drive
- 1250 Tower Drive

The parcels associated with the property are as follows:

- Parcel 61/ APN 011326106 (approximately 38 acres)
- Parcel 62/ APN 011326107 (approximately 15 acres)
- Parcel 63/ APN 011326108 (approximately 2 acres)
- Parcel 67/ APN 011327101 (approximately 9 acres)
- Parcel 68/ APN 011327102 (approximately 11 acres)



Appendix C

Request for Records Search to the
Department of Toxic Substances Control – Cypress Office and
Response Obtained from that Agency

Est. 1988

Environmental Support Services

Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
P) 949.429.3564 | F) 949.429.3563 | E) Shannon@EnvironmentalSupportServices.com
www.EnvironmentalSupportServices.com | EIN# 83-0533710

September 1, 2021

Dept of Toxic Substances Control
Cypress Office
5796 Corporate Avenue
Cypress, CA 90630

Attention: Julie Johnson/Jone Barrio

Dear Julie/Jone,

Please check for any files/information on the following site:

Site: "Ontario Airport Property"
Ontario, CA
(See Attached Address List & Site Map)

Sincerely,
Environmental Support Services

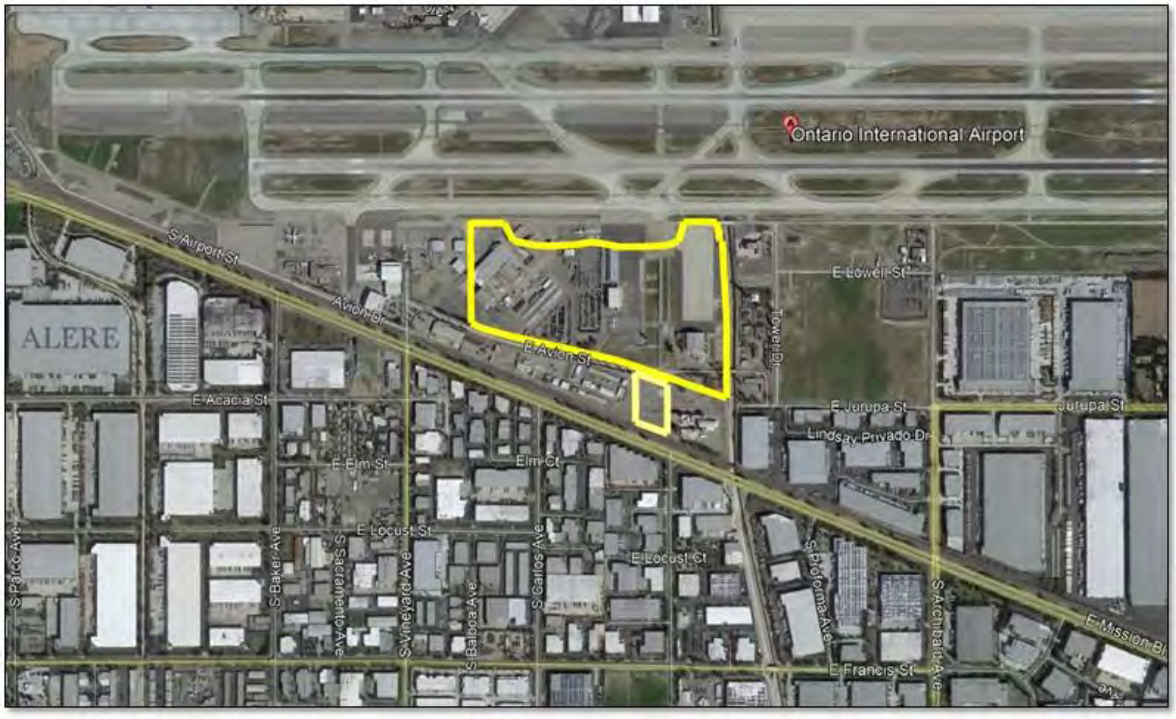
Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

Please let us know if you have any questions.

- 1049 South Vineyard Avenue
- 1280 South Tower Drive
- 1801 East Avion Drive
- 1922 East Avion Street
- 1923 East Avion Street (also Drive and Place)
- 2132 Avion (Also East Avion Street)
- 2161 East Avion Street
- 2264 East Avion Street (also Place)
- 2475 East Avion Street
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- 1230 Tower Drive
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The parcels associated with the property are as follows:

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- Parcel 62/ APN 011326107 (approximately 15 acres)
- Parcel 63/ APN 011326108 (approximately 2 acres)
- Parcel 67/ APN 011327101 (approximately 9 acres)
- Parcel 68/ APN 011327102 (approximately 11 acres)



shannon environmentalsupportservices.com

From: Barrio, Jone@DTSC <Jone.Barrio@dtsc.ca.gov>
Sent: Friday, September 3, 2021 3:17 PM
To: shannon environmentalsupportservices.com
Cc: Barrio, Jone@DTSC
Subject: RE: : DTSC Public Records Request PR4-090221-02 ONTARIO

Hi Shannon,

Correction on 1 site (1). No Records

1. Ontario International Airport Master Plan, Archibald Ave & Airport Dr., Ontario. (No Records)
2. General Electric, 1923 E Avion St., (Check envirostor > Ontario Arm Airfield in Envirostor ID: 80000416) documents have be Uploaded 1992, 2011 to Envirostor). Hard copies are old 1985 -1992.
3. General Electric Test Cell, 2264 Avion Pl., Ontario, (Check Envirostor **ID#36370024,** 95% of entire site documents

   have been uploaded. Uploads 1983 – 2019. Chia Rin is the PM.> ChiaRin.Yen@dtsc.ca.gov.

If you still want an appt., next appt. will not be available until after Sept 20th.

Thanks

Jone

From: shannon environmentalsupportservices.com <shannon@environmentalsupportservices.com>
Sent: Thursday, September 2, 2021 4:33 PM
To: Barrio, Jone@DTSC <Jone.Barrio@dtsc.ca.gov>
Subject: RE: : DTSC Public Records Request PR4-090221-02 ONTARIO

EXTERNAL:

Hi Jone, I would like to have the files pulled for the sites do you have records on. Could you please give me an idea of how big the files are? I'd like to let my client know so I can get them an estimate on what it would cost to have a copy service go in and scan them. Thank you again and have a wonderful day 😊

Sincerely,
Shannon Castagno
Project Manager
Tel) 949-429-3564
Fax) 949-429-3563

http://EnvironmentalSupportServices.com

From: Barrio, Jone@DTSC <Jone.Barrio@dtsc.ca.gov>
Sent: Thursday, September 2, 2021 4:24 PM
To: shannon environmentalsupportservices.com <shannon@environmentalsupportservices.com>
Cc: Barrio, Jone@DTSC <Jone.Barrio@dtsc.ca.gov>
Subject: : DTSC Public Records Request PR4-090221-02 ONTARIO

Hello,

Please see the attachment for a response to your Public Records Act request. A hard copy will not follow but may be available upon request.

If you have any questions, please feel free to send an email to CypressFileRoom@dtsc.ca.gov or call the DTSC Regional File Room at (714)484-5336. Please continue to use this Regional File Room email box for future communication as it allows us to respond more efficiently to your requests.

Thank you,

Jone Barrio
Regional Records Coordinator
Dept. of Toxic Substances Control
5796 Corporate Ave
Cypress, CA 90630

Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D., Director
5796 Corporate Avenue
Cypress, California 90630

Gavin Newsom
Governor

September 2, 2021

Shannon Castagno
Environmental Support Services
shannon@environmentalsupportservices.com

PR4-090221-02

Dear Requestor:

On Sept. 1st, 2021, the Department of Toxic Substances Control (DTSC) received your email of Sept. 1st, 2021, requesting records under the Public Records Act. DTSC Cypress Region has identified site records responsive to your request for**:**
Ontario International Airport Master Plan, Archibald Ave & Airport Dr., Ontario. General Electric, 1923 E Avion St., & General Electric Test Cell, 2264 Avion Pl., Ontario

DTSC did not find records for: 1049 S Vineyard Ave., 1280, South, 1230 & 1250 Tower Dr., & 1801, 1922, 2132, 2161, 2475 East & Dr. & St., Place Avion & 2500 Jarupa St & 5 APN Parcels.

Please contact us to schedule an appointment to review these records. DTSC will notify you if any of the records will be withheld from disclosure under the Act.[i] We recommend you bring a copier or arrange for a bonded copying service to make copies of the records.

A large number of our records are available on EnviroStor, an online database that provides non-confidential, public access to DTSCs data management system. It tracks our cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known or suspected contamination issues. EnviroStor is available 24/7, 365 days a year. The data reflects the latest updates as they are entered in the system. Access it from your computer or smartphone, the local library – anywhere Internet access is available. Just go to www.envirostor.dtsc.ca.gov. You'll find a step-by-step tour of EnviroStor under the "How to Use EnviroStor" menu on the website.

If you have any questions or would like further information regarding your request, please, contact me via email at jone.barrio@dtsc.ca.gov .

Sincerely,
Jone Barrio
Jone Barrio
Regional Records Coordinator

[i] Some of the records may be exempt from disclosure under the Public Records Act because they may be identified as follows: (1) preliminary drafts or notes (Government Code sections 6254(a)); (2) records pertaining to pending litigation (Government Code section 6254(b)); (3) personnel, medical, personal or private information (Government Code sections 6254(c), 6254(k), 6254.3; Civil Code section 1798, et seq.); (4) records pertaining to complaints or investigations or identification of confidential informant(Government Code section 6254(f)); (5) records covered by the attorney-client privilege (Government Code section 6254(k); Evidence Code section 954); (6) records covered by the attorney work product privilege (Government Code section 6254(k); Code of Civil Procedure section 2018.030); (7) records covered by the deliberative process privilege (Government Code sections 6254(k), 6255; Times Mirror Company v. Superior Court (1991) 53 Cal. 3d 1325); (8) records covered by the official information privilege (Government Code section 6254(k); Evidence Code section1040); and/or (9) records containing confidential business information or trade secrets (Government Code· section 6254(k); California Code of Regulations, title 22, section 66260.2; Evidence Code section 1060; Health and Safety Code sections 25173, 25185(d), 25358.2); (10) records containing geological and geophysical information (Government Code section 6254 (e)). This is not an exhaustive list and other exemptions may prevent disclosure of records.

Appendix D

Request for Records Search to the
Department of Toxic Substances Control – Chatsworth Office and
Response Obtained from that Agency

Est. 1988

Environmental Support Services

Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
P) 949.429.3564 | F) 949.429.3563 | E) Shannon@EnvironmentalSupportServices.com
www.EnvironmentalSupportServices.com | EIN# 83-0533710

September 1, 2021

Dept of Toxic Substances Control
Chatsworth Office
9211 Oakdale Avenue
Chatsworth, CA

Attention: Glenn Castillo/Robert Hardison

Dear Glenn/Robert,

Please check for any files/information on the following site:

Site: "Ontario Airport Property"
Ontario, CA
(See Attached Address List & Site Map)

Sincerely,
Environmental Support Services

Shannon Castagno

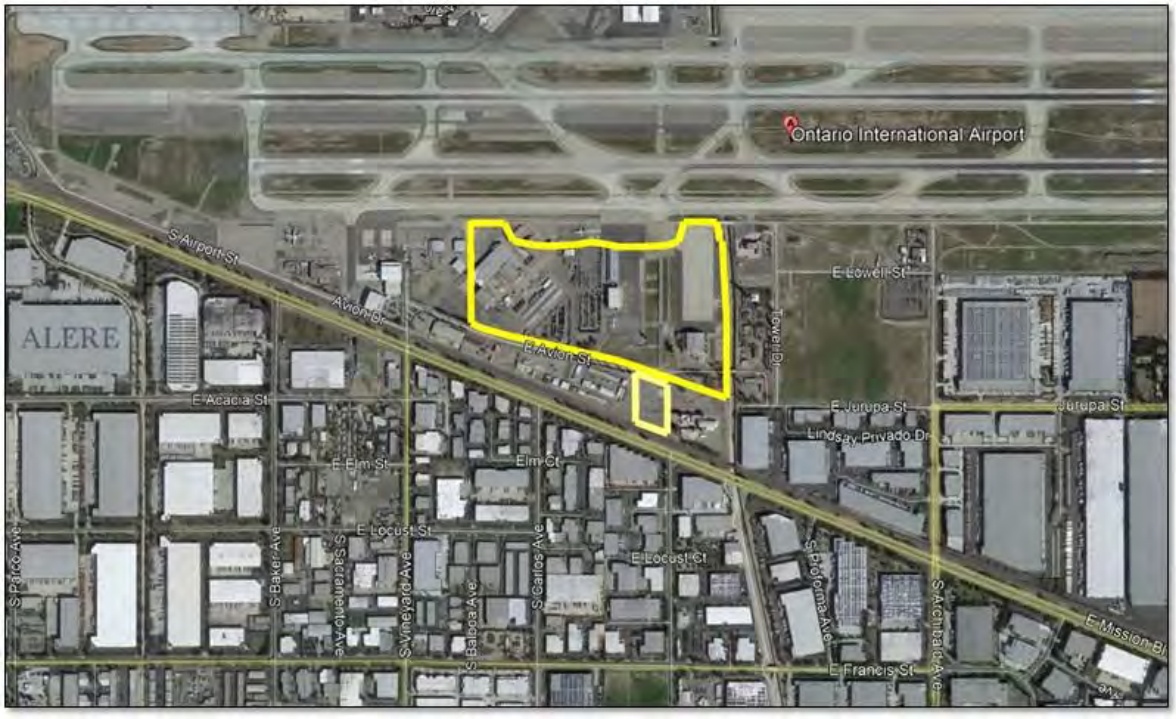
Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

Please let us know if you have any questions.

- 1049 South Vineyard Avenue
- 1280 South Tower Drive
- 1801 East Avion Drive
- 1922 East Avion Street
- 1923 East Avion Street (also Drive and Place)
- 2132 Avion (Also East Avion Street)
- 2161 East Avion Street
- 2264 East Avion Street (also Place)
- 2475 East Avion Street
- 2500 Jarupa Street
- 1230 Tower Drive
- 1250 Tower Drive

The parcels associated with the property are as follows:

- Parcel 61/ APN 011326106 (approximately 38 acres)
- Parcel 62/ APN 011326107 (approximately 15 acres)
- Parcel 63/ APN 011326108 (approximately 2 acres)
- Parcel 67/ APN 011327101 (approximately 9 acres)
- Parcel 68/ APN 011327102 (approximately 11 acres)



shannon environmentalsupportservices.com

From: ChatsworthFileRoom@DTSC <ChatsworthFileRoom@dtsc.ca.gov>
Sent: Thursday, September 2, 2021 9:00 AM
To: shannon environmentalsupportservices.com
Subject: RE: Public Records Request

Hello Shannon,

I have forwarded your request to our Cypress regional office for processing because Ontario International Airport is in San Bernardino County.

Robert Hardison, RMAC
Chatsworth DTSC

From: shannon environmentalsupportservices.com <shannon@environmentalsupportservices.com>
Sent: Wednesday, September 1, 2021 6:58 PM
To: ChatsworthFileRoom@DTSC <ChatsworthFileRoom@dtsc.ca.gov>
Subject: Public Records Request

EXTERNAL:

Environmental Support Services
Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
Tel) 949-429-3564 • Fax) 949-429-3563
www.EnvironmentalSupportServices.com • Info@EnvironmentalSupportServices.com

September 1, 2021

Dept of Toxic Substances Control
Chatsworth Office
9211 Oakdale Avenue
Chatsworth, CA

Attention: Glenn Castillo/Robert Hardison

Dear Glenn/Robert,

Please check for any files/information on the following site:

Site: "Ontario Airport Property"
Ontario, CA
(See Attached Address List & Site Map)

Sincerely,
Environmental Support Services



Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

Appendix E

Request for Records Search to the
Cal Fire – Office of the State Fire Marshal and
Response and Extension to Respond Obtained from that Agency

shannon environmentalsupportservices.com

From: CALFIRE PRA Records Center <calfire@govqa.us>
Sent: Wednesday, September 1, 2021 7:05 PM
To: shannon environmentalsupportservices.com
Subject: Public Records Request :: R001948-090121

RE: PUBLIC RECORDS REQUEST of 9/1/2021, Reference # R001948-090121

Dear Shannon Castagno,
Thank you for your interest in public records of the CAL FIRE. Your request has been received and is being processed in accordance with the California Public Records Act, Government Code section 6250 et seq. Your request was received on September 01, 2021 and given the reference number R001948-090121 for tracking purposes.

Records Requested: Site: : “Ontario Airport Property”, Ontario, CA (See Attached Address List & Site Map). ESS requests the following information concerning the subject site which your agency may have on file: 1. utilization, manufacture, storage, or discharge of hazardous materials/waste. 2. previous or on-going site investigations/remediations pertaining to hazardous materials/waste. 3. hazardous materials disclosures concerning the site. 4. pipelines. 5. information regarding underground storage tank present or previously found at the site. 6. Reportable Spills, Releases, Notices of Violations (NOVs) and any Environmental Reportable Issues.

Your request will be forwarded to the relevant CAL FIRE department(s) to locate the information you seek and to determine the volume and any costs that may be associated with satisfying your request. You will be contacted about the availability and/or provided with copies of the records in question. PLEASE NOTE: The California Public Records Act does not require a governmental body to create new information, to do legal research, or to answer questions.

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed.

CAL FIRE

To monitor the progress or update this request please log into the CAL FIRE Records Center

shannon environmentalsupportservices.com

From: CALFIRE PRA Records Center <calfire@govqa.us>
Sent: Friday, September 10, 2021 2:33 PM
To: shannon environmentalsupportservices.com
Subject: [Records Center] Public Records Request :: R001948-090121

--- Please respond above this line ---

There are no pipelines within 1500 feet of the addresses requested. The closest pipeline is approximately .75 miles away.

To monitor the progress or update this request please log into the CALFIRE PRA Records Center

shannon environmentalsupportservices.com

From: CALFIRE PRA Records Center <calfire@govqa.us>
Sent: Friday, September 10, 2021 1:43 PM
To: shannon environmentalsupportservices.com
Subject: [Records Center] Public Records Request :: R001948-090121

--- Please respond above this line ---

RE: PUBLIC RECORDS REQUEST September 01, 2021, Reference # R001948-090121

Dear Ms. Castagno,

This letter is in response to your Public Records Act request dated September 01, 2021 in which you requested the following records:

"Site: : “Ontario Airport Property”, Ontario, CA (See Attached Address List & Site Map). ESS requests the following information concerning the subject site which your agency may have on file: 1. utilization, manufacture, storage, or discharge of hazardous materials/waste. 2. previous or on-going site investigations/remediations pertaining to hazardous materials/waste. 3. hazardous materials disclosures concerning the site. 4. pipelines. 5. information regarding underground storage tank present or previously found at the site. 6. Reportable Spills, Releases, Notices of Violations (NOVs) and any Environmental Reportable Issues."

Your request is under review and a 14-day extension of time is necessary under Government Code Section 6253(c) to determine whether your request seeks copies of disclosable public records in Cal Fire’s possession. The extension of time is necessary due to:

6253(c)(1) Search for Records from Field Facilities

We expect to provide you with a determination on or before 9/27/2021.

If you have any questions or need additional information, you can manage your request through the CALFIRE PRA Records Center.

Sincerely,

Mark Springer
PRA Attorney
CAL FIRE

To monitor the progress or update this request please log into the CALFIRE PRA Records Center



Appendix F

Request for Records Search to the
City of Ontario Fire Department and
Response Obtained from that Agency

shannon environmentalsupportservices.com

From: Ontario Records Center <ontarioca@govqa.us>
Sent: Wednesday, September 1, 2021 5:11 PM
To: shannon environmentalsupportservices.com
Subject: Public Records Request :: R000354-090121

Dear Shannon Castagno:

Your request has been received and is being processed. Your request was received in this office on 9/1/2021 and given the reference number R000354-090121 for tracking purposes.

Records Requested: "Ontario Airport Property" Ontario, CA (See Attached for Addresses and Map) ESS requests the following information concerning the subject address which the fire department may have on file: 1. utilization, manufacture, storage, or discharge of hazardous materials/waste. 2. previous or on-going site investigations/remediations pertaining to hazardous materials/waste. 3. hazardous materials disclosures concerning the site. 4. information regarding underground storage tank present or previously found at the site.

Your request will be forwarded to the relevant department(s) to locate the information you seek and to determine the volume and any costs associated with satisfying your request. You will be contacted about the availability and/or provided with copies of the records in question.

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed.

City of Ontario

To monitor the progress or update this request please log into the Records Request Center

shannon environmentalsupportservices.com

From: Ontario Records Center <ontarioca@govqa.us>
Sent: Tuesday, September 7, 2021 8:22 AM
To: shannon environmentalsupportservices.com
Subject: [Records Center] Public Records Request :: R000354-090121

--- Please respond above this line ---

RE: Public Records Request of September 01, 2021, Reference # R000354-090121

Dear Shannon Castagno,

The City of Ontario received a public records request from you on September 01, 2021. Your request mentioned:

> **"Ontario Airport Property"**
> **Ontario, CA**
> **(See Attached for Addresses and Map)**
> **ESS requests the following information concerning the subject address which the fire department may have on file: 1. utilization, manufacture, storage, or discharge of hazardous materials/waste. 2. previous or on-going site investigations/remediations pertaining to hazardous materials/waste. 3. hazardous materials disclosures concerning the site. 4. information regarding underground storage tank present or previously found at the site.**

The City of Ontario has reviewed its files and has determined there are no responsive record(s) to your request.

We suggest you contact the San Bernardino County CUPA to request responsive records.

With this correspondence, the City of Ontario has completed its response to your request.

Sincerely,

City Clerk & Records Management
City of Ontario

To monitor the progress or update this request please log into the Records Request Center

Appendix G

Request for Records Search to the
City of Ontario Public Works Department and
Response Obtained from that Agency

shannon environmentalsupportservices.com

From: Ontario Records Center <ontarioca@govqa.us>
Sent: Wednesday, September 1, 2021 5:16 PM
To: shannon environmentalsupportservices.com
Subject: Public Records Request :: R000356-090121

Dear Shannon Castagno:

Your request has been received and is being processed. Your request was received in this office on 9/1/2021 and given the reference number R000356-090121 for tracking purposes.

Records Requested: Site: "Ontario Airport Property" Ontario, CA (See attached for addresses and map) ESS requests the following information concerning the subject addresses which the public works department may have on file: 1. copies of applications and permits for industrial waste discharge; and 2. copies of any and all violations concerning industrial waste discharge.

Your request will be forwarded to the relevant department(s) to locate the information you seek and to determine the volume and any costs associated with satisfying your request. You will be contacted about the availability and/or provided with copies of the records in question.

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed.

City of Ontario

To monitor the progress or update this request please log into the Records Request Center

shannon environmentalsupportservices.com

From: Ontario Records Center <ontarioca@govqa.us>
Sent: Tuesday, September 7, 2021 12:11 PM
To: shannon environmentalsupportservices.com
Subject: [Records Center] Public Records Request :: R000356-090121

--- Please respond above this line ---

CITY OF ONTARIO SOUTHERN CALIFORNIA

RE: Public Records Request of September 01, 2021, Reference # R000356-090121

Dear Shannon Castagno,

The City of Ontario received a public records request from you on September 01, 2021. Your request mentioned:

> **Site: "Ontario Airport Property"**
> **Ontario, CA**
> **(See attached for addresses and map)**
> **ESS requests the following information concerning the subject addresses which the public works department may have on file:**
> **1. copies of applications and permits for industrial waste discharge; and**
> **2. copies of any and all violations concerning industrial waste discharge.**

City staff members have finished searching for and reviewing records potentially responsive to your request. The City of Ontario has reviewed its files and has determined there are no responsive record(s) to your request.

With this correspondence, the City of Ontario has completed its response to your request.

Sincerely,

City Clerk & Records Management
City of Ontario

To monitor the progress or update this request please log into the Records Request Center

Powered by GovQA

Appendix H

Request for Records Search to the
City of Ontario Building Department and
Response and Photocopies Obtained from that Agency

shannon environmentalsupportservices.com

From: Ontario Records Center <ontarioca@govqa.us>
Sent: Wednesday, September 1, 2021 5:14 PM
To: shannon environmentalsupportservices.com
Subject: Public Records Request :: R000355-090121

Dear Shannon Castagno:

Your request has been received and is being processed. Your request was received in this office on 9/1/2021 and given the reference number R000355-090121 for tracking purposes.

Records Requested: Site: "Ontario Airport Site" Ontario, CA (See Attached for Addresses and Map) I hereby request copies of all building permits and certificates of occupancy for the addresses.

Your request will be forwarded to the relevant department(s) to locate the information you seek and to determine the volume and any costs associated with satisfying your request. You will be contacted about the availability and/or provided with copies of the records in question.

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed.

City of Ontario

To monitor the progress or update this request please log into the Records Request Center

shannon environmentalsupportservices.com

From: Ontario Records Center <ontarioca@govqa.us>
Sent: Monday, September 13, 2021 5:28 PM
To: shannon environmentalsupportservices.com
Subject: [Records Center] Public Records Request :: R000355-090121

--- Please respond above this line ---

RE: Public Records Request of September 01, 2021, Reference # R000355-090121

Dear Shannon Castagno,

The City of Ontario received a public records request from you on September 01, 2021. Your request mentioned:

> **Site: "Ontario Airport Site"**
> **Ontario, CA**
> **(See Attached for Addresses and Map)**
> **I hereby request copies of all building permits and certificates of occupancy for the addresses.**

The City of Ontario has reviewed its files and has located responsive records to your request. Please log in to the Records Request Center at the following link to retrieve the responsive records.

Public Records Request - R000355-090121

City staff members have finished searching for, gathering, and reviewing records responsive to your request. With this correspondence and the records provided herewith, the City of Ontario has completed its response to your request.

Sincerely,

City Clerk & Records Management
City of Ontario

To monitor the progress or update this request please log into the Records Request Center

Address: 1801 E AVION ST Permit No. **B201502443** **City of Ontario Building Department**

OWNER:	**CONTRACTOR**	**CONTACT**	Date: 12/10/2015	Valuation 10,500 00
FEDERAL EXPRESS	Griffith Company		Total Sq Ft	APN
2601 Main St #270	3050 E Birch Street		New Sq Ft	Lot
Irvine 92614	Brea, Ca 92821		Units	Tract
	Phone (714)984-5500	Phone	DAB Nbr	Block
	Lic # 88 A	Cell Phone		Construction Type
				Other Miscellaneous

Description/Comments: INSTALLATION OF SEVEN (7) LIGHT POLES AND FIXTURES

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 88 Lic. Class A,B,C-8,C-12,C-27 Exp. Date 9/30/16

City Lic. # 70290 Expires 1/31/2017

X 12-10-15 Date _____ Signature of Contractor _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation

( ) I have and will maintain Worker's Compensation Insurance

WC Policy No. None Listed Carrier old republic general corp

X ( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT If after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

X 12-10-15 Date _____ Signature of Owner or Agent _____

Electrical	Plumbing	Mechanical
Platform-Theater 7		

Fees:

Issuance Fee	47 00
Building Fee	218 75
Plan Review Fees	132 70
Electrical Fee	7 70
Plumbing Fee	0 00
Mechanical Fee	0 00
Grading Fee	0 00
NMC Dev Fee	0 00
Development Fee	0 00
Sewer Assmnt	0 00
Dust Control Fee	0 00
SMIP Fee	2 94
Investigation Fee	0 00
Microfilm Fee	0.00
Copies Fee	0 00
SB1473 Fee	1 00

TOTAL FEES:	$498.69
TOTAL PAYMENTS:	$498.69
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1602443

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final	04/14/16	[illegible]

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final	04/14/16	[illegible]

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES: INSPECTIONS BY [illegible]

Rev. 2/2012

Address: 1801 E AVION ST Permit No. **B201403772** **City of Ontario Building Department**

OWNER:	**CONTRACTOR**	**CONTACT**	Date 12/10/2015	Valuation 0 00
FEDERAL EXPRESS	Griffith Company		Total Sq Ft	APN
2601 Main St #270	3050 E. Birch Street		New Sq Ft	Lot
Irvine 92614	Brea Ca 92821	Phone	Units	Tract
	Phone (714)984-5500	Cell Phone	DAB Nbr	Block
	Lic. # 88 A			Construction Type

Description/Comments: PRECISE GRADING AND STORM DRAIN FOR FEDEX

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code)

Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 88 Lic. Class A,B,C-8,C12,C27 Exp. Date 9/30/16

City Lic. # 70290 Expires 1/31/2017

X 12-10-15 Date _____ Signature of Contractor _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-Insurance for Worker's Compensation

( ) I have and will maintain Worker's Compensation Insurance

WC Policy No. A1CW99281 Carrier old republic general corp

X ( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

X 12-10-15 Date _____ Signature of Owner or Agent _____

Electrical Plumbing Mechanical

Fees:

Issuance Fee	23 50
Building Fee	0 00
Plan Review Fees	63 35
Electrical Fee	0 00
Plumbing Fee	28 43
Mechanical Fee	0 00
Grading Fee	223 50
NMC Dev Fee	0 00
Development Fee	0 00
Sewer Assmnt	0 00
Dust Control Fee	250 00
SMIP Fee	0 00
Investigation Fee	0 00
Microfilm Fee	0 00
Copies Fee	0 00
SB1473 Fee	0 00

TOTAL FEES:	$1,720.28
TOTAL PAYMENTS:	$1,720.28
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1403772

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final	04/14/16	[illegible]

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final		

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final	04/14/16	[illegible]

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES: 04/14/16 INSPECTIONS BY LAMP — UG

Rev. 2/2012

Address: 1801 E AVION ST, ONTARIO, CA 91761 Permit No. **B201602164**

City of Ontario Building Department

OWNER:
CITY OF LOS ANGELES
#1 World Way
Los Angeles Ca 90009

CONTRACTOR
Hal Hays Construction Inc
4181 Latham Street
Riverside, Ca 92501
Phone : (951)788-0703
Lic. # 667560

CONTACT
,
Phone : (714)-57-1211
Cell Phone:

Date: 9/29/2016 Valuation 50,000.00
Total Sq Ft: APN: 1 1325113
New Sq Ft: Lot:
Units: Tract:
DAB Nbr Block:
Construction Type:
Other Miscellaneous

Description/Comments: RECONFIGURE (EX) AIRPORT SECURITY GATE, RELOCATE (EX) GUARD BOOTH, AND INSTALL NEW CAMERA POLE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date Signature of Owner

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 667560 Lic. Class A,B,C12,C21 Exp. Date 11/30/2017
City Lic. # 84210 Expires: 12/31/2016

9/29/2016 Date Signature of Contractor

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
( ) I have and will maintain Worker's Compensation Insurance

WC Policy No. 7322812101 Carrier CALIFORNIA INSURANCE COMPANY

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

9/29/2016 Date Signature of Owner or Agent

Electrical
Power to 1 HP: 1

Plumbing

Mechanical

Fees:

Issuance Fee	47.00
Building Fee:	667.75
Plan Review Fees:	491.90
Electrical Fee:	4.75
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	14.00
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	2.00

TOTAL FEES: $1,242.40
TOTAL PAYMENTS: $1,242.40
BALANCE DUE: $0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1602164

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
~~Soils Cert.~~	N/A 10-14-16	P. Rico
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing	11-4-16	P. Rico
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final	11-4-16	P. Rico
ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit P'	10-19-16	P. Rico
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding	11-4-16	P. Rico
Final	11-4-16	P. Rico

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		
MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		
POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		
DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

P' **NOTES:** 10-14-16 U.G. CONDUIT O.K. UNDER S.O.G. OF BOOTH P. Rico
11-4-16 HOLD DOWN BOLTS OK NEEDS SPECIAL INSPECTION ROOF OK

Address: 1801 E AVION ST, ONTARIO, CA 91761 Permit No. **B201600373** City of Ontario Building Department

OWNER:
CITY OF LOS ANGELES
#1 World Way
Los Angeles Ca 90009

CONTRACTOR
Christian Brothers Mechanical Services Inc
11140 Thurston Lane
Mira Loma, Ca 91752
Phone :
Lic. # 499547

Date: 4/11/2016 Valuation 20,000.00
Total Sq Ft: APN: 11325113
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:
Other Miscellaneous

Description/Comments: HVAC CHANGEOUT

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date Signature of Owner

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 499547 Lic. Class C20 Exp. Date 10/31/2016
City Lic. # 65854 Expires: 12/31/2016
4/11/2016 Date Signature of Contractor

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
(X) I have and will maintain Worker's Compensation Insurance

WC Policy No. WSD2162946 Carrier Insurance Company of West

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

4/11/2016 Date Signature of Owner or Agent

Electrical

Plumbing

Mechanical
AH Unit to 10K CFM. 1
Ventilation System 4

Fees:

Issuance Fee	47.00
Building Fee:	344.75
Plan Review Fees:	233.50
Electrical Fee:	0.00
Plumbing Fee:	0.00
Mechanical Fee	53.25
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	0.00
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	1.00
TOTAL FEES:	$688.50
TOTAL PAYMENTS:	$688.50
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1600373

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final		

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric	5-23-16 P. Rico	
Rough Electric – T-Bar		
SRV's Grounding & Bonding	B20160	
Final	5-23-16 P. Rico	

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Rough Mechanical	5-20-16	P. Rico
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final *	6/16/16	

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES:

* 6/16/2016 - ENERGY COMPLIANCE FORMS OBSERVED & VERIFIED AS COMPLETED & SIGNED BY RESPONSIBLE PERSON.

Rev. 2/2012

City of Ontario
Building Department
Telephone: (909) 395-8000
Inspection Direct Line: (909) 395-8248
Property Assessed Clean Energy (PACE) Hotline
Fax Line: (909) 395-8137
PLEASE NOTE: If a survey is required, please call 3 working days prior to inspection.

Permit No: ELEC2025-0000
Date Issued: 01/01/2025
Permit Valid: 01/01/2025 to 07/01/2025

APPROVED INSPECTIONS

Inspection	Date/Initial	Comments
Underground		
Rough		
Final		

OTHER INSPECTIONS AND FEES

Inspection	Date/Initial	Comments
Reinspection Fee		
Inspection Outside of Normal Business Hours		
Re-Roof		
Additional Plan Review required by changes, additions or revisions to plans		
For use of outside consultants for plan checking and inspections, or both		

Total Valuation: $0.00
Plan Check Fee: $0.00
Permit Fee: $0.00
Total Fees: $0.00

City of Ontario
Building Department
Telephone: (909) 395-8000
Inspection Direct Line: (909) 395-8248
Property Assessed Clean Energy (PACE) Hotline
Fax Line: (909) 395-8137
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Permit No: ELEC2025-0000
Date Issued: 01/01/2025
Permit Valid: 01/01/2025 to 07/01/2025

APPROVED INSPECTIONS

Inspection	Date/Initial	Comments
Underground		
Rough		
Final		

OTHER INSPECTIONS AND FEES

Inspection	Date/Initial	Comments
Reinspection Fee		
Inspection Outside of Normal Business Hours		
Re-Roof		
Additional Plan Review required by changes, additions or revisions to plans		
For use of outside consultants for plan checking and inspections, or both		

Total Valuation: $0.00
Plan Check Fee: $0.00
Permit Fee: $0.00
Total Fees: $0.00

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Permit No: ELEC2025-0000
Date Issued: 01/01/2025
Permit Valid: 01/01/2025 to 07/01/2025

APPROVED INSPECTIONS

Inspection	Date/Initial	Comments
Underground		
Rough		
Final		

OTHER INSPECTIONS AND FEES

Inspection	Date/Initial	Comments
Reinspection Fee		
Inspection Outside of Normal Business Hours		
Re-Roof		
Additional Plan Review required by changes, additions or revisions to plans		
For use of outside consultants for plan checking and inspections, or both		

Total Valuation: $0.00
Plan Check Fee: $0.00
Permit Fee: $0.00
Total Fees: $0.00

City of Ontario
Building Department
Telephone: (909) 395-8000
Inspection Direct Line: (909) 395-8248
Property Assessed Clean Energy (PACE) Hotline
Fax Line: (909) 395-8137
PLEASE NOTE: If a survey is required, please call 3 working days prior to inspection.

Permit No: ELEC2025-0000
Date Issued: 01/01/2025
Permit Valid: 01/01/2025 to 07/01/2025

APPROVED INSPECTIONS

Inspection	Date/Initial	Comments
Underground		
Rough		
Final		

OTHER INSPECTIONS AND FEES

Inspection	Date/Initial	Comments
Reinspection Fee		
Inspection Outside of Normal Business Hours		
Re-Roof		
Additional Plan Review required by changes, additions or revisions to plans		
For use of outside consultants for plan checking and inspections, or both		

Total Valuation: $0.00
Plan Check Fee: $0.00
Permit Fee: $0.00
Total Fees: $0.00



City of Ontario
Building Department
Telephone: (909) 395-8027
Inspection Request Line: (909) 395-8029
Automated Inspection Hotline: (909) 395-8031

☆ IMPORTANT PERMIT RULES ☆

Permit Approval expires one year from the issuing date unless otherwise stated.

Inspection	Hours Prior	Days	Inspector
Footings	24 hours		
...	...		

City of Ontario
Building Department
Telephone: (909) 395-8027
Inspection Request Line: (909) 395-8029
Automated Inspection Hotline: (909) 395-8031

☆ IMPORTANT PERMIT RULES ☆

Permit Approval expires one year from the issuing date unless otherwise stated.

Inspection	Hours Prior	Days	Inspector
Footings	24 hours		
...	...		

City of Ontario
Building Department
Telephone: (909) 395-8027
Inspection Request Line: (909) 395-8029
Automated Inspection Hotline: (909) 395-8031

☆ IMPORTANT PERMIT RULES ☆

Permit Approval expires one year from the issuing date unless otherwise stated.

Inspection	Hours Prior	Days	Inspector
Footings	24 hours		
...	...		

City of Ontario
Building Department
Telephone: (909) 395-8027
Inspection Request Line: (909) 395-8029
Automated Inspection Hotline: (909) 395-8031

☆ IMPORTANT PERMIT RULES ☆

Permit Approval expires one year from the issuing date unless otherwise stated.

Inspection	Hours Prior	Days	Inspector
Footings	24 hours		
...	...		

City of Ontario Building Department

Address: 2132 E AVION ST

Permit No. B200102482

Owner
LAWA
I WORLD WAY
LOS ANGELES, CA

Contractor
SAME AS OWNER
Lic #: 000

Architect
Lic #:

Engineer
Lic #:

Date: 12-03-2002 **Val:** $12,000.00
Trct: **APN:**
Sq.Ft.: 720 **Avig:** N
Units: 0 **Lot:**
Stories: 0 **Block:**
Occ: **Const:**
DAB #: 0 **Var:** 0

~~**Intended Permit Use:** FOUNDATION FOR COACH~~

Description / Comments:
INSTALLATION OF STATE APPROVED COMMERCIAL COACH

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License #_____Lic. Class_____Exp. Date_____

City Lic. #_____ Expires_____

Date_____ Signature of Contractor_____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date 12-3-02 Signature of Owner Donell Darby

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.:_____ Carrier:_____

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Donell Darby
Signature of Owner or Agent

12-3-02
Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furance To 100M BTU	(0)	Issuance Fee	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furance Ovr 100M BTU	(0)	Building Fee	$209.25
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furance	(0)	Electrical Fee	$54.00
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$136.01
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	Parks & Rec SFD	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Parks & Rec MFD	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$1,363.23
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Sewer Assmnt ENG	$34.63
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Fire Facilities Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	Dust Control Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	S.M.I.P Fee	$2.52
Display/Lighting/Etc	(0)	Public Pools	(0)	Appl Vents	(0)	Investigation Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Permit Fee	$0.00
Service to 200 Amps	(1)	Misc.	(0)	Comm/Indust Inc	(0)	Microfilm-Plans Fee	$15.00
Service 201-1000 Amps	(0)			Misc. Appl/Equip	(0)	Xerox Copies Fee	$0.00
Service Over 600 Volts	(0)					Storm Drain Fee	$0.00
Misc. Equip	(0)					Water Fee	$0.00
Signs	(0)					Sewer Fee	$0.00
Addl. Sign Circ	(0)					Helicopter Flyover	??
						Refund Amount	$0.00

Total Fees $1,814.64
Total Payments (-) $1,814.64
Balance Due **$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2240		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing	6/12/03	
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final Foundation	10/28/03	
ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground	6-4-03	JB
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	10/28/03	
BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		
WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground	6-4-03	JB
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
B20030206 **Final**	10/28/03	
MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		
ENCROACHMENT PERMIT		
Clearance		
FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: 6-4-03 - underground Conduit, EGR, underground Plumbing OK (JB)
6/30/03 Steel for Storm Wall

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2161		

Job shall become null and void if work not commenced within 180 days from date of issuance OR if work is discontinued or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel	5-10-02	JB
Slab Grade	5-10-02	JB
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing	5-23-02	JB
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing ~~Main~~ TRAILER	5-7-02	JB
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
FRAMING WORK STOP		
Final	8/13/02	

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground	5-3-02	JB
Rough Electric TRAILER	5-7-02	JB
Rough Elecric – T-Bar		
SRV's Ground & Bond		
Rough Elect work stop		
Final	8/13/02	

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Final		

PLUMBING APPROVALS		
Ground	5-03-02	JB
Water Piping		
On-Site Sewer		
Rough Plumbing TRAILER	5-3-02	JB
Gas Pipe-Test		
Roof Drains		
Rough Plumb work stop		
Final	8/13/02	

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Forms		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: 5-3-02. Ground Plumbing OK R Elect R Framing, NOT Ready. (JB)
5-3-02 ~~Under~~ Conduit OK TO Back fill (JB) 5-10-02 Footing & Steel ~~Stake~~ Bar Tie
TRAILER 5-7-02 Rough Framing R Elect OK (JB) 5-21-02 NOT Ready. (JB)
5-9-02 Correction Notice (JB)
5-23-02 Roof Sheathing OK on WORK Stop. (JB)
7-9-02 NOT Ready (JB)

Address: 2475 E AVION ST

Permit No. B200203154

City of Ontario Building Department

Owner
ONTARIO INT'L AIRPORT

Contractor
THE RMS GROUP, INC.
5772 BOLSA AVE. #110
HUNTINGTON BEACH, CA 92649
714-470-9037 Lic #: 781298

Architect
CSA ARCHITECTS
10916 LE CONTE
W LA, CA90024
310 824-8711 Lic #: C000003195

Engineer

Date: 10-18-2002 **Val:**$53,448.00
Trct: **APN:**
Sq.Ft.: 4454 **Avig:** N
Units: 0 **Lot:**
Stories: 1 **Block:**
Occ: F-1, S-5, B **Const:** IIFR
DAB #: 0 **Var:** 0

Intended Permit Use: TI

Description / Comments:
TENANT IMPROVEMENT FOR SHOP SUITES #111, #112, #112A

(PLUMBING, MECHANICAL, AND ELECTRICAL UNDER SEPARATE PLAN CHECK AND PERMIT).

Lic #:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 781928 Lic. Class BA HIC Exp. Date 8-31-2004

City Lic. # Plumbing Expires 12-31-02

Date 10-18-02 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

(X) I have and will maintain Worker's Compensation Insurance.

Policy No.: 1644367-01 Carrier: The RMS Group

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent

10-18-02
Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furance To 100M BTU	(0)	Issuance Fee	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furance Ovr 100M BTU	(0)	Building Fee	$671.75
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furance	(0)	Electrical Fee	$0.00
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$537.40
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	Parks & Rec SFD	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Parks & Rec MFD	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Sewer Assmnt ENG	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Fire Facilities Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	Dust Control Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	S.M.I.P Fee	$11.22
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Investigation Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Permit Fee	$0.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Microfilm-Plans Fee	$0.00
Service 201-1000 Amps	(0)			Misc. Appl/Equip	(0)	Xerox Copies Fee	$0.00
Service Over 600 Volts	(0)					Storm Drain Fee	$0.00
Misc. Equip	(0)					Water Fee	$0.00
Signs	(0)					Sewer Fee	$0.00
Addl. Sign Circ	(0)					Helicopter Flyover	$0.00
						Refund Amount	$0.00

Total Fees $1,220.37
Total Payments (-) $1,220.37
Balance Due **$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2240		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing	10/22/02	
Insulation		
Drywall Nailing	10/24/02	
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	10/28/02	

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final		

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: 10/22/02 Framing Full height wall in Side Area
Drywall COR issue 10/23/02

Address: 2264 E AVION ST

Permit No. **B200203798**

City of Ontario Building Department

Owner
~~CITY OF LOS ANGELES~~
1 WORLD WAY
LOS ANGELES CA 90045

Contractor
~~R.J. KIMBALL CONSTRUCTION~~
9757 7TH ST. #802
RANCHO CUCAMONGA, CA 91730
948-7380 Lic #: 469928 B

Architect
Lic #:

Engineer
~~VAN DAM ENGINEERING~~
1844 W 11TH ST STE D
UPLAND91786
931-5070 Lic #: C000000726

~~Date: 02-11-2003~~ ~~Val: $6,000.00~~
Trct: APN: 11326106
Sq.Ft.: 0 Avig: N
Units: 0 Lot:
Stories: 0 Block:
Occ: Const:
DAB #: 0 Var: 0

~~Intended Permit Use:~~

Description / Comments:
INSTALL EXTERIOR SECURITY TURNSTILE

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 469928 Lic. Class B Exp. Date 2-28-03

City Lic. # BL-0004244 Expires 12-31-03

Date 2/11/03 Signature of Contractor [signature]

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.: 0009405-2003 Carrier: State Fund

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

[signature] 2/11/03

Signature of Owner or Agent Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furance To 100M BTU	(0)	Issuance Fee	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furance Ovr 100M BTU	(0)	Building Fee	$125.25
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furance	(0)	Electrical Fee	$41.70
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$100.20
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	Parks & Rec SFD	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Parks & Rec MFD	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Sewer Assmnt ENG	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Fire Facilities Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	Dust Control Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	S.M.I.P Fee	$1.26
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Investigation Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Permit Fee	$0.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Microfilm-Plans Fee	$10.50
Service 201-1000 Amps	(0)			Misc. Appl/Equip	(0)	Xerox Copies Fee	$0.00
Service Over 600 Volts	(0)					Storm Drain Fee	$0.00
Misc. Equip	(1)					Water Fee	$0.00
Signs	(0)					Sewer Fee	$0.00
Addl. Sign Circ	(0)					Helicopter Flyover	$0.00
						Refund Amount	$0.00

Total Fees	$278.91
Total Payments (-)	$278.91
Balance Due	**$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2240		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Post (2) Setback & Footing Pads	2-20-03	JB
Steel		
Slab Grade	3-7-03	JB
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	4-8-03	JByrne

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground	3-26-03	JB
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	4-8-03	JByrne

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: 2-20-03 Post (2) Pads Footing & steel. (JB) only Need Slab and footings
3-7-03 Slab on grade, columns ok. (JB) 3-26-03 underground Ebody & Slab ok (JB)

Hercules

Address: 2132 E AVION ST ONTA | **Permit No.** B200300766 | **City of Ontario Building Department**

Owner	Contractor	Designer		
LA WORLD AIRPORTS	TUFF SHED 2330 S. CASTLE HARBOR ONTARIO 91761 909-988-8833 Lic #: 661664	Lic #:	Date: 08-21-2003 Trct: Sq.Ft.: 0 Units: 0 Stories: 0 Occ: DAB #: 0	Val: $3,000.00 APN: Avig: N Lot: 0 Block: Const: Var: 0

Intended Permit Use:

Description / Comments:
REPLACE EXISTING GUARD SHACK WITH NEW PRE-FABRICATED GUARD SHACK AND PERMANENT FOUNDATION

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 661664 Lic. Class E Exp. Date 12-03

City Lic. # 4705 Expires 12/31/03

Date 8/21/03 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No. 22J650754 6/1/03 Carrier: Travelers

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent Date 8/21/03

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Min. Issuance	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$83.25
Outlet/Switch 1-20	(2)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$26.80
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(1)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$66.60
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	Parks & Rec SFD	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Parks & Rec MFD	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Deviee to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Refund Amount	$0.00
Service Over 600 Volts	(0)						
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$243.88
Total Payments (-)	$243.88
Balance Due	**$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2240		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing	9-24-03	JK
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing	9-24-03	JK
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	11-21-03	[illegible]

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric	11-12-03	[illegible]
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	11-21-03	[illegible]

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

Address: 2132 E AVION ST ONTA Permit No. **B200300767**

City of Ontario Building Department

Owner	Contractor	Designer
LA WORLD AIRPORTS	TUFF SHED 2330 S. CASTLE HARBOR ONTARIO 91761 909-988-8833 Lic #: 661664	Lic #:

Date: 08-21-2003 Val: $3,000.00
Trct: APN:
Sq.Ft.: 0 Avig: N
Units: 0 Lot: 0
Stories: 0 Block:
Occ: Const:
DAB #: 0 Var: 0

Intended Permit Use:

Description / Comments:
REPLACE EXISTING GUARD SHACK WITH NEW PRE-FABRICATED GUARD SHACK AND PERMANENT FOUNDATION

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 661664 Lic. Class B Exp. Date 12-03

City Lic. # 42059 Expires 12/31/03

Date 8/21/03 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No. 1221605454 Carrier: 694061 HOVAGER INS

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent Date 8/21/03

Electrical		Plumbing		Mechanical	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)
Outlet/Switch 1-20	(2)	Building Sewer	(0)	Floor Furnace	(0)
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)
Light Fix 1-20	(1)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)
Display/Lighting/Etc	(0)	Public Pools	(0)	Appl Vents	(0)
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)		
Service Over 600 Volts	(0)				
Misc. Equip	(0)				
Signs	(0)				
Addl. Sign Circ	(0)				

Fees	
Min. Issuance	$0.00
Building Fee	$83.25
Electrical Fee	$26.80
Plumbing Fee	$0.00
Mechanical Fee	$0.00
Grading Fee	$0.00
Inspection Fee	$0.00
Plan Review Fee	$66.60
Parks & Rec SFD	$0.00
Parks & Rec MFD	$0.00
Sewer Assmnt SFD	$0.00
Sewer Assmnt COM	$0.00
Fire Facilities Fee	$0.00
Dust Control Fee	$0.00
S.M.I.P Fee	$0.00
Investigation Fee	$0.00
Microfilm-Permit Fee	$0.00
Microfilm-Plans Fee	$0.00
Xerox Copies Fee	$0.00
Refund Amount	$0.00

Total Fees	$243.88
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Balance Due	**$0.00**

City of Ontario

Building Department

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Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2240		

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BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing	9-24-03	jp
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	11-21-03	Blaylock

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric	10-12-03	Blaylock
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	11-21-03	Blaylock

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

Address: 2132 E AVION ST ONTA

Permit No. **B200300768**

City of Ontario Building Department

Owner FED EX
LA WORLD AIRPORT

Contractor
TUFF SHED
2330 S. CASTLE HARBOR
ONTARIO 91761
909-988-8833 Lic #: 661664

Designer

Lic #:

Date: 08-21-2003
Trct:
Sq.Ft.: 0
Units: 0
Stories: 0
Occ:
DAB #: 0

Val: $3,000.00
APN:
Avig: N
Lot: 0
Block:
Const:
Var: 0

Intended Permit Use:

Description / Comments:
REPLACE EXISTING GUARD SHACK WITH NEW PRE-FABRICATED GUARD SHACK AND PERMANENT FOUNDATION

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 661664 Lic. Class B Exp. Date 12-03

City Lic. # 42957 Expires 12/31/03

Date 8/21/03 Signature of Contractor

OWNER-BUILDER DECLARATION

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Date _____ Signature of Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No. 1226307546940 Carrier: FARMERS INS

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

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Signature of Owner or Agent

Date 8/21/03

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Light Fix 1-20	(1)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$66.60
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	Parks & Rec SFD	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Parks & Rec MFD	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Refund Amount	$0.00
Service Over 600 Volts	(0)						
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$243.88
Total Payments (-)	$243.88
Balance Due	**$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2240		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel	8/08/03	[illegible]
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing	9-24-03	[illegible]
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	11-21-03	[illegible]

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground	11-12-03	[illegible]
Rough Electric		[illegible]
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	11-21-03	[illegible]

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
~~Pre-Plaster~~		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES:

T-2

Address: 2132 E AVION ST ONTA

Permit No. B200300769

City of Ontario Building Department

Owner	Contractor	Designer
LA WORLD AIRPORT	TUFF SHED 2330 S. CASTLE HARBOR ONTARIO 91761 909-988-8833 Lic #: 661664	Lic #:

Date: 08-21-2003 **Val:** $3,000.00
Trct: **APN:**
Sq.Ft.: 0 **Avig:** N
Units: 0 **Lot:** 0
Stories: 0 **Block:**
Occ: **Const:**
DAB #: 0 **Var:** 0

Intended Permit Use:

Description / Comments:
REPLACE EXISTING GUARD SHACK WITH NEW PRE-FABRICATED GUARD SHACK AND PERMANENT FOUNDATION

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 661664 Lic. Class B Exp. Date 12-03

City Lic. # 42059 Expires 12/31/03

Date 8/21/03 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No. 1725630754 6-94 Carrier: HOWARD - N S

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Min. Issuance	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$83.25
Outlet/Switch 1-20	(2)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$26.80
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(1)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$66.60
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	Parks & Rec SFD	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Parks & Rec MFD	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Refund Amount	$0.00
Service Over 600 Volts	(0)						
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$243.88
Total Payments (-)	$243.88
Balance Due	**$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
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Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

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Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2240		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing	9-24-03	
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	11-26-03	

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric	10-29-03	
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	11-26-03	

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES:

Address: 2132 E AVION ST ONTA | Permit No. **B200300770** | **City of Ontario Building Department**

Owner	Contractor	Designer
LA WORLD AIRPORT	TUFF SHED 2330 S. CASTLE HARBOR ONTARIO 91761 909-988-8833 Lic #: 661664	Lic #:

T.4

Date: 08-21-2003 | Val: $3,000.00
Tract: | APN:
Sq.Ft.: 0 | Avig: N
Units: 0 | Lot: 0
Stories: 0 | Block:
Occ: | Const:
DAB #: 0 | Var: 0

Intended Permit Use:

Description / Comments:
REPLACE EXISTING GUARD SHACK WITH NEW PRE-FABRICATED GUARD SHACK AND PERMANENT FOUNDATION

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 661664 Lic. Class TS Exp. Date 12-03
City Lic. # 42059 Expires 12/31/03
Date 8/21/03 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No. WZZJC30754 Carrier: HOMER INS

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Min. Issuance	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$83.25
Outlet/Switch 1-20	(2)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$26.80
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(1)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$66.60
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	Parks & Rec SFD	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Parks & Rec MFD	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Refund Amount	$0.00
Service Over 600 Volts	(0)						
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$243.88
Total Payments (-)	$243.88
Balance Due	**$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
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Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

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Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2240		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel	8/28/03	
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing	9-24-03	
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	12-4-03	Blaylock

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric	10 12-03	Blaylock
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	12-4-03	Blaylock

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES:

Address: 2132 E AVION ST ONTA

Permit No. **B200301157**

City of Ontario Building Department

Owner	Contractor	Designer
LAWA #1 WORLD WAY LOS ANGELES, CA	SAME AS OWNER Lic #: 000	Lic #:

Date: 04-30-2003 Val: $0.00
Trct: APN:
Sq.Ft.: 0 Avig: N
Units: 0 Lot: 0
Stories: 0 Block:
Occ: Const:
DAB #: 0 Var: 0

Intended Permit Use:

Description / Comments:

ELECTRICAL SUPPLY FOR MODULAR COACH (#B200102482)

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License #_____ Lic. Class_____ Exp. Date_____

City Lic. #_____ Expires_____

Date_____ Signature of Contractor_____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date 4-30-03 Signature of Owner [signature]

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.:_____ Carrier:_____

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

[signature] 4-30-03

Signature of Owner or Agent Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Min. Issuance	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$0.00
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$72.20
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$0.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	Parks & Rec SFD	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Parks & Rec MFD	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$4.50
Service to 200 Amps	(1)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Refund Amount	$0.00
Service Over 600 Volts	(0)						
Misc. Equip	(1)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$114.30
Total Payments (-)	$114.30
Balance Due	**$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
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OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2240		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final		

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground	6-4-03	JB
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	10/28/05	

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground	6-4-03	JB
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final	10/28/05	

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

Address: 2132 E AVION ST ONTA

Permit No. **B200302069**

City of Ontario Building Department

Owner	Contractor	Designer
CITY OF LA, LOS ANGELES WORLD AIRPORTS $0.00 7301 WORLD WAY WEST LA, CA 90045 909-975-5482	Lic #:	Lic #:

Date: 05-15-2003

Trct: APN:
Sq.Ft.: 0 Avig:
Units: 0 Lot: 0
Stories: 0 Block:
Occ: Const:
DAB #: 0 Var: 0

Intended Permit Use: SEWER AND WATER

Description / Comments:
SEWER AND WATER LINES FOR MODULAR BUILDING

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License #_____ Lic. Class_____ Exp. Date_____

City Lic. #_____ Expires_____

Date_____ Signature of Contractor_____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code).

Date 5/15/03 Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.:_____ Carrier:_____

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent

5/15/03
Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$0.00
Outlet/Switch 1-20	(0)	Building Sewer	(1)	Floor Furnace	(0)	Electrical Fee	$0.00
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$52.90
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(1)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$0.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	Parks & Rec SFD	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Parks & Rec MFD	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$0.00
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$99.90
Total Payments (-)	$99.90
Balance Due	**$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2240		

This permit becomes void if work is not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS

Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final		

ELECTRICAL APPROVALS

Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final		

BLOCKWALL APPROVALS

Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS

Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS

Ground	6-4-03	JB
Water Piping		
On-Site Sewer	6-4-03	JB
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final	10/28/03	

MECHANICAL APPROVALS

Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		

POOL & SPA APPROVALS

Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT

Clearance		

FIRE SPRINKLER APPROVALS

Rough		
Final		

NOTES:

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC # VAR # DAB/FILE #

BUILDING ADDRESS: ONTARIO AIRPORT (2161 E. AVION ST.)

OWNER: SO. CA. EDISON

MAILING ADDRESS: 2161 E. AVION ST.

CITY: ONTARIO ZIP: TEL.

CONTRACTOR: THE AUSTIN CO.

ADDRESS: 27 TECHNOLOGY DRIVE

CITY: IRVINE ZIP: CA TEL: (949) 453-1000

STATE LIC. & CLASSIF.: C-24750 CITY LIC. NO.: 47331

ARCH., ENGR., DESIGNER: THE AUSTIN CO.

ADDRESS: (SAME AS ABOVE) TEL.

CITY ZIP STATE LIC. NO.

INTENDED PERMIT USE: HOIST/PLATFORM

SQ. FT. SIZE	NO. STORIES	NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B JM License No. C-24750 B-38256

Expiration Date 12/01 4/30/00 Contractor Signature James A. Reynolds

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier TRAVELERS INDEMNITY OF IL Expiration Date 6/01

Policy Number TJUB260T924-2-99

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 8/9/99 Applicant: X James A. Reynolds

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	20,000

BUILDING PERMIT FEES

PERMIT @	1000		321 25
PLAN CHECK BLDG. DEPT.	1001		
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006		4 20
SEWER CAPITAL ASSESSMENT FEE	1007		
PLAN CHECK EXPEDITING FEE	1680		
MICROFILMING	1670		20 50
MISC.			
TOTAL			345 95

PLUMBING FEES

BATHTUBS / SHOWERS		URINALS	
WATER CLOSETS		INTERCEPTORS	
LAVATORIES / SINKS		DRAINS	
TOTAL FIXTURES _____ @$ _____			
WATER HEATERS/POOL • SPA HEATER			
WATER ☐ GAS ☐ PIPING			
PERMIT FEES @			
TOTAL PLUMBING FEES	ACCT. 1100		
HOUSE SEWER @	SEP. PIT	SEPTIC TANK	
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT. 1200		

ELECTRICAL FEES

OCC. GROUP @ ¢		
SWITCHES, RECEPTACLES @		
LIGHTING FIXTURES @		
SERVICE @		
NO. MOTORS @		
PERMIT FEES @		
TOTAL ELECTRICAL FEES	ACCT. 1300	

MECH. FEES

HEATING M/BTU		
A/C M/BTU		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. 1400	

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. 1500	

SEWER ASSESSMENT FEES PAID	YES	NO	
AVIGATION AGREEMENT REQUIRED	YES	NO	

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $345.95

PERMIT NO. 118857 DATE 8/9/99

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

James A. Reynolds — Signature of Applicant or Agent

8/9/99 — Date

DEPARTMENT USE ONLY

Minimum Setback Distances

Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: _____

345.95 8/19/99-10/20010602-10/6661-9MW-60

VALIDATION

When property validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING	01/18/00	W Johnson
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ **INITIAL** _____

REMARKS

SEWER DIAGRAM

TRACT # _____

LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PC # 11965 VAR # DAB/FILE # APP. #

BUILDING ADDRESS 1049 S. VINEYARD

OWNER ONTARIO AIR SERVICE

MAILING ADDRESS SAME

CITY Ontario CA ZIP 91761 TEL.

CONTRACTOR SUNDBERG CONSTRUCTION

ADDRESS 487 'B' N. CENTRAL AVE

CITY UPLAND CA ZIP 91784 TEL 909 981-1606

STATE LIC. & CLASSIF. B-1 CITY LIC. NO. 15502

ARCH., ENGR. DESIGNER BONALDO ENGINEERING

ADDRESS _____ TEL _____

CITY R.C. Co ZIP _____ STATE LIC. NO. _____

INTENDED PERMIT USE: TI OFFICES AND RESTROOMS

SQ. FT. SIZE	NO. STORIES 1	NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B-1 License No. 557785

Expiration Date 5-31-2001 Contractor Signature Wes M. [illegible]

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Golden Eagle Expiration Date 12-28-99

Policy Number NWC 4207940S

☐ (This section need not be completed if the permit is for one hundred dollars ($100) or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 5/24/99 Applicant: Wes M. [illegible]

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Wes M. [illegible] _____

Signature of Applicant or Agent Date

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____ NOTE: _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

[illegible] R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

A

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	
TI	509	36.80	18,731

TOTAL VALUATION 18,731

PERMIT @	1000	974 75
PLAN CHECK BLDG. DEPT. Energy	1001	17 86
PARK & REC. FEE SFR Energy	1002 ~~1003~~	27 48
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	3 99
SEWER CAPITAL ASSESSMENT FEE	1007	1784 88
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	10 00
MISC.		
TOTAL		2000 90

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	1
WATER CLOSETS		2	INTERCEPTORS	
LAVATORIES 3	SINKS		DRAINS	

TOTAL FIXTURES 5 @$ 8.75		43 75
WATER HEATERS/POOL • SPA HEATER		
WATER ☐ GAS ☒ PIPING		5 00
PERMIT FEES @		22 00
TOTAL PLUMBING FEES ACCT. 1100		71 25
HOUSE SEWER @ SEP. PIT SEPTIC TANK		
PERMIT FEES @		
TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200		

ELECTRICAL FEES

OCC. GROUP @ ¢		
SWITCHES, RECEPTACLES 44 @		
LIGHTING FIXTURES 6 @ 7		14 00
SERVICE @		
NO. MOTORS @		
2 Fans		13 00
PERMIT FEES @		2 00
TOTAL ELECTRICAL FEES ACCT. 1300		49 00

MECH. FEES

HEATING M/BTU		26 50
A/C M/BTU		26 50
2 Units		
PERMIT FEE @		22 00
TOTAL MECHANICAL FEES ACCT. 1400		75 00

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES ACCT. 1500		
SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $2316.15

PERMIT NO. 117898 DATE 5/24/99

TRACT # _____
LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____
APN _____

PC # VAR # DAB/FILE #

BUILDING ADDRESS 1049 S Vineyard
OWNER Ontario Aircraft
MAILING ADDRESS 1049 S Vineyard
CITY Ontario ZIP 91764 TEL. 987-2700
CONTRACTOR L&R Electric
ADDRESS 7650 McKinley
CITY San Bernardino ZIP 92410 TEL. 909 862-9112
STATE LIC. & CLASSIF. 546372 C-10 CITY LIC. NO. 41686
ARCH., ENGR., DESIGNER
ADDRESS TEL.
CITY ZIP STATE LIC. NO.
INTENDED PERMIT USE: Propane Tank - Elec.

SQ. FT. SIZE | NO. STORIES | NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Class C-10 License No. 546372
Expiration Date 11-00 Contractor Signature [signature]

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:
Carrier Fire & Casualty Expiration Date 1-1-00
Policy Number 26-LR-NG8051

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 5-11-99 Applicant: [signature]

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).
Lender's Name _____
Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☒ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 35 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person be a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT @ 11574	1000		
PLAN CHECK BLDG. DEPT.	1001		
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006		
SEWER CAPITAL ASSESSMENT FEE	1007		
PLAN CHECK EXPEDITING FEE	1680		
MICROFILMING	1670		3 00
MISC.			
TOTAL			3 00

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRAINS		
TOTAL FIXTURES _____ @$ _____					
WATER HEATERS/POOL • SPA HEATER					
WATER ☐ GAS ☐ PIPING					
PERMIT FEES @					
TOTAL PLUMBING FEES			ACCT. 1100		
HOUSE SEWER @	SEP. PIT	SEPTIC TANK			
PERMIT FEES @					
TOTAL HOUSE SEWER & SANITATION FEES			ACCT. 1200		

ELECTRICAL FEES

OCC. GROUP @ ¢		
SWITCHES, RECEPTACLES @		
LIGHTING FIXTURES @		
SERVICE @		
NO. MOTORS @		
Elec for tank		16 25
PERMIT FEES @		38 75
TOTAL ELECTRICAL FEES	ACCT. 1300	55 00

MECH. FEES

HEATING M/BTU		
A/C M/BTU		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. 1400	

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. 1500	
SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $58.00

PERMIT NO. 11743 DATE 5/11/99

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

[signature] 5-11-99
Signature of Applicant or Agent Date

DEPARTMENT USE ONLY

Minimum Setback Distances Zone _____ NOTE: _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

05-11-1999/01-800/564/01-52103/$58.00

VALIDATION

When property validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

B

APPLICATION ONLY

BUILDING DEPARTMENT COPY

TRACT # _____
LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____
APN _____

PC 99105 VAR # _____ DAB/FILE # 937-7009 6980

BUILDING ADDRESS 1049 So Vineyard
OWNER Ontario Aircraft
MAILING ADDRESS 1049 So Vineyard 909
CITY Ontario CA ZIP 91761 TEL 987-2700
CONTRACTOR AMERI GAS Propane
ADDRESS 175 S Riverside Ave
CITY Bloomington CA ZIP 92316 TEL (909) 877-1881
STATE LIC. & CLASSIF. 717843 C-20 C36 CITY LIC. NO. 61
ARCH., ENGR., DESIGNER
ADDRESS TEL.
CITY ZIP STATE LIC. NO.
INTENDED PERMIT USE: AG Tank

SQ. FT. SIZE | NO. STORIES | NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Class C20 C36 License No. 717843
Expiration Date 1-31-2000 Contractor Signature AMERIGAS

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:
Carrier Cumberlands Expiration Date 7/99
Policy Number _____

☐ (This section need not be completed if the permit is for one hundred dollars ($100) or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions. AMERI GAS

Date: 4-1-99 Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).
Lender's Name _____
Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____ C

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

AMERI GAS Propane _____ Date _____
Signature of Applicant or Agent

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____
_____ Rear Setback from Rear Property Line
_____ Side Street setback from Center Line _____ R/W _____
_____ Side Setback from Property Line
_____ Side Setback from Property Line

NOTE: _____

VALIDATION

When property validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

C APPLICATION ONLY
BUILDING DEPARTMENT COPY

04-26-1999/01-0084834/01-3511E/$73.50

BUILDING PERMIT FEES

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	4200

PERMIT @	1000	55	00
PLAN CHECK BLDG. DEPT.	1001		
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006		50
SEWER CAPITAL ASSESSMENT FEE	1007		
PLAN CHECK EXPEDITING FEE	1680		
MICROFILMING	1670	18	00
MISC.			
TOTAL		73	50

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	
WATER CLOSETS			INTERCEPTORS	
LAVATORIES	SINKS		DRAINS	

TOTAL FIXTURES _____ @$ _____		
WATER HEATERS/POOL • SPA HEATER		
WATER ☐ GAS ☐ PIPING		
PERMIT FEES @		
TOTAL PLUMBING FEES	ACCT. 1100	
HOUSE SEWER @ SEP. PIT SEPTIC TANK		
PERMIT FEES @		
TOTAL HOUSE SEWER & SANITATION FEES	ACCT. 1200	

ELECTRICAL FEES

OCC. GROUP	@	¢	
SWITCHES, RECEPTACLES	@		
LIGHTING FIXTURES	@		
SERVICE	@		
NO. MOTORS	@		
PERMIT FEES @			
TOTAL ELECTRICAL FEES		ACCT. 1300	

MECH. FEES

HEATING M/BTU		
A/C M/BTU		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. 1400	

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. 1500	

SEWER ASSESSMENT FEES PAID	YES	NO	
AVIGATION AGREEMENT REQUIRED	YES	NO	

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $ 73.50

PERMIT NO. 117574 DATE 4/26/99

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME Martin Connors / INITIAL SC REMARKS
SETBACKS			
FOOTINGS/FORMS/STEEL/UFER			
U. GRND PLUMBING	6-10-99	SC	
U. GRND ELECT.			
SLAB GRADE			
SHEAR PANELS EXTERIOR			
SHEAR PANELS INTERIOR			
ROOF SHEATHING			
ROUGH ELECTRIC	6-10-99	SC	
ROUGH PLUMBING	6-10-99	SC	
ROUGH MECHANICAL	6-10-99	SC	
FLOOR FRAMING			
FLOOR SHEATHING			
ROOF COVERING			
ROUGH FRAMING	6-10-99	SC	← as per approved plans
CONCRETE PANELS			
CONNECTIONS POUR STRIP			
ENERGY CONSERVATION			← 6-15-99 walls SC (AM)
MASONRY BOND BEAM			
LATH-EXTERIOR			
DRY WALL NAIL	6-15-99	SC	(AM)
SUSPENDED CEILING			
GAS TEST			← No Gasline
POOL STEEL/BOND/LINER			
SPA PLBG./SPA HTG.			
POOL FENCE OK TO PLASTER			
ROOF DRAINS			
WATER SERVICE			
SEWER	12-13-99	Blaylock	**SEWER DIAGRAM**
STORM DRAIN			
COMPACTION REPORT			
ROUGH GRADING			
FINAL GRADING			
FINAL PLUMBING			
FINAL ELECTRIC			
ELECTRIC SRV'S GRD & BOND			
FINAL MECHANICAL			
FINAL BUILDING	3/15/00		
FINAL POOL/SPA			
EDISON CO. CALLED			
GAS CO. CALLED			
OTHER DEPARTMENT REQUIREMENTS			
PLANNING			
ENGINEERING			
POLICE			
FIRE			
PUBLIC FACILITIES			
PUBLIC SERVICES			
TEMP. CO. ISSUED			
C.O. ISSUED			

A

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.	6/23/99	Blaylock
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS FOUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	6/28/99	Blaylock
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL ____

REMARKS

SEWER DIAGRAM

B O O

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER	6-14-99	L Franco
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING	6/28/99	Blanchard
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

1801 Adion.

TRACT # _____
LOT # _____

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

VAR # 5879 DAB/FILE #

BUILDING ADDRESS: 1801 Avion, Ontario, CA 91761

OWNER: [redacted] FEDERAL EXPRESS

OWNER ADDRESS: SAME

CITY | ZIP | TEL

CONTRACTOR: HONEYWELL PROTECTION SERVICES

ADDRESS: 4585 Allstate Drive

CITY: Riverside | ZIP: 92501 | TEL: 781-0770

STATE LIC & CLASS: #52926 (Class C-61) | CITY LIC NO: 02956L

ARCH ENGR DESIGNER

ADDRESS | TEL

CITY | ZIP | STATE LIC NO

INTENDED PERMIT USE: Fire Alarms

SQ FT SIZE | NO STORIES | NO. DW UNITS

USE: COMMERCIAL [X] INDUSTRIAL [ ]
TYPE OF WORK: NEW [ ] ADD [ ] ALTER [ ] REPAIR [ ] DEMOLITION [ ]

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect

[redacted] Elizabeth Hughson 1/21/97
CONTRACTOR'S SIGNATURE DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improve thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____ B & P C for this reason: _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3700 Labor Code).

Policy No. 41WBRT21620E Company HARTFORD (Continous)

[ ] Certified copy is hereby furnished.

[ ] CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE 12/31/99

This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

WARNING TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [redacted] Elizabeth Hughson Date 1/21/97

Mailing Address _____

City, State, Zip _____

VALIDATION

When properly validated in this area, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 120 days, or if work is abandoned for more than 120 days.

APPLICATION ONLY

BUILDING PERMIT FEES

OCC./TYPE CONST	SIZE (SQ FT)	VAL. (SQ FT.)	VALUATION
		TOTAL VALUATION	$605.00

PERMIT @	01-32101	13 00
PLAN CHECK @	01-36105	8 45
PARK & REC. AQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-215-116	50
SEWER CAPITAL ASSESSMENT FEE @ $050 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
TOTAL		21 95

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ @ $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. #01-32102

HOUSE SEWER @ | SEP PIT | SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES		
LIGHTING FIXTURES		
APPLIANCE OUTLETS		
OCC. GROUP SQ FT @	¢	
OCC. GROUP SQ FT @	¢	
SERVICE AMPS	@	
NO. UNITS TEMP. POWER		
~~RESIDENTIAL~~ FIRE ALARM SYSTEM		7 50
SWIMMING POOL/SPA ELECTRIC		
PERMIT FEES @		10.00
TOTAL ELECTRICAL FEES ACCT. #01-32103		17 50

MECH. FEES

HEATING M/BTU A/C M/BTU		
OTHER		
PERMIT FEE @		
TOTAL MECHANICAL FEES ACCT #01-32104		

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES ACCT. #01-32106		
SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		
TOTAL ALL FEES (PAY THIS AMOUNT)		$ 39 45

PERMIT NO. 58990 DATE 1/21/97

BUILDING PERMIT FEES

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH PLUMBING		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		

C.O. ISSUED DATE

TEMP. C.O. ISSUED DATE

CONDITIONS

INSPECTION'S NAME _____ INITIAL

REMARKS

Approved 1/87 B.E. Exeter

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

TRACT # _____
LOT # _____

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

0238-

PC # _____ VAR # _____ DAB/FILE # _____

BUILDING ADDRESS: 1861 AVION
OCCUPANCY: FEDERAL EXPRESS FACILITY
OWNER: [illegible] ONTARIO, CA
ARCHITECT/ENGINEER: Bill Grierson/Federal Express
ADDRESS: 1861 Avion
CITY: Ontario ZIP: 91761 TEL:
CONTRACTOR: [illegible] Sec. Estate - Mart T.
ADDRESS: 2217 Eastman Ave
CITY: Ont. Ca ZIP: 91733 TEL: 714-947-0181
STATE LIC. # 215564 CITY LIC. # OK
ARCHITECT
ADDRESS
CITY ZIP TEL
STATE LIC. #
ENGINEER: Metcalf & Eddy Engrs
ADDRESS: Inland Empire Living
CITY ZIP TEL
STATE LIC. #

OCC. / TYPE CONST. | SIZE (SQ. FT.) | VAL. (SQ. FT.) | VALUATION

TOTAL VALUATION: 123,000

BUILDING PERMIT FEES

PERMIT #	01-32101	158 50
PLAN CHECK #	01-36105	103 02
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	1 61
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $ /5 EA	28-37211	
TOTAL		263 13

PLUMBING FEES

BATHTUBS	DISHWASHER/DISPOSAL
SHOWERS	CLOTHES WASHERS
WATER CLOSETS	DRINK. FOUNTAINS
LAVATORIES	URINALS
SINKS	INTERCEPTORS
	DRAINS

TOTAL FIXTURES _____ # $ 1

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS FT PIPING

SOLAR COLLECTORS TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # SEP. PIT SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32103

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT # ¢

OCC. GROUP SQ. FT # ¢

SERVICE AMPS #

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL SPA ELECTRIC

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT #01-32104

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

CITY OF ONTARIO
TOTAL 263.13
CHECK 263.13
5307-1101-0000287

TOTAL ALL FEES (PAY THIS AMOUNT) $ 263.13

62037

PERMIT NO. _____ DATE 6/1/87

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

X _____ Date 6/1/87

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I'm PT for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a copy certified by the insurance carrier.

023647 State Fund 4-1-88

X _____

Policy No. _____ Expiration Date _____

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Warning: Failure to secure workers' compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars ($100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, interest, and attorney's fees.

I am exempt from the Contractor's License Law for the following reason: _____

Date _____ Owner _____

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's name _____

Lender's address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

X _____ Date 6/1/87

Applicant's Signature _____

VALIDATION

When properly validated in this space, this form constitutes a permit to do

APPLICATION ONLY

BUILDING DEPARTMENT

INSPECTION RECORD

DATE INSPECTOR

INSPECTOR'S NAME

REMARKS

ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
WALL FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
RETAINING WALLS		
SOIL COMPACTION		
FIRE TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - FIRE BRICK		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL SPA		
FINAL SOLAR		
EDISON CO CALLED		
~~GAS CO CALLED~~	9-17-84 Floyd Clark	

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING		
TRASH BINS		
D.A.B. REQ.		
FIRE PLAN		
VARIANCE		
C.U.P.		

T # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2546

PLAN NO: _____

APN _____

PC # _____ VAR # _____ DAB/FILE # _____

BUILDING ADDRESS: 1801 E. Avion

OWNER: FEDERAL EXPRESS

MAILING ADDRESS: 1801 E Avion

CITY: Ontario ZIP: 91761 TEL: 983-4245

CONTRACTOR: Bryant Organization

ADDRESS: 731 So Lugo Ave

CITY: San Bernardino ZIP: 92408 TEL: 889-0655

DATE LIC. # 365357 C-39 CITY LIC NO 26660L

ARCHITECT: N/A

ADDRESS: _____ TEL: _____

CITY: _____ ZIP: _____ STATE LIC NO: _____

DESCRIPTION OF WORK: RE-ROOF

JOB VALUATION: 28,000 SQ FT NO STORIES: TILT-UP NO DW UNITS: —

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

X Donald L. Lenahan 89-90
SIGNATURE DATE

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5 Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044 Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

I am exempt under Sec. _____ B & P C for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a copy thereof (Sec. 3800 Labor Code).

Policy No. 7-X42 Company SEE INSURED ON FILE Continuous

I have filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I also understand that I am required to comply with the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this permit.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter the above-mentioned property for inspection purposes.

Signature of Applicant: Donald L. Lenahan Date: 8/9/90

Mailing address: 731 So Lugo Ave

City, State, Zip: San Bernardino Ca 92408

BUILDING PERMIT FEES

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	28,000

PERMIT #	7000 01-32101	425.50
PLAN CHECK BLDG. DEPT.	01-36120	
PLAN CHECK FIRE DEPT	01-36106	
PARK & REC. FEE SFR	07-31903	
PARK & REC. FEE MFR	07-31904	
EARTHQUAKE FEE RES	01-215-116	
EARTHQUAKE FEE COMM. 1006	01-215-118	10.00
SEWER CAPITAL ASSESSMENT FEE @ $950 EA	28-37210	
SEWER ASSESSMENT FEE @ $75 EA	28-37211	
MISC.		
TOTAL		435.50

PLUMBING FEES

FIXTURES @	
WATER HEATERS/POOL • SPA HEATER	
WATER ☐ GAS ☐ PIPING	
SOLAR COLLECTORS/TANKS	
PERMIT FEES @	
TOTAL PLUMBING FEES	ACCT. #01-32102
HOUSE SEWER @	SEP PIT / SEPTIC TANK
PERMIT FEES @	
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105

ELECTRICAL FEES

OCC GROUP SQ FT @ ¢	
OCC GROUP SQ FT @ ¢	
SERVICE AMPS @	
NO UNITS TEMP POWER	
PERMIT FEES @	
TOTAL ELECTRICAL FEES	ACCT. #01-32103

MECH. FEES

HEATING	
PERMIT FEE @	
TOTAL MECHANICAL FEES	ACCT. #01-32104

GRADING FEES

CUBIC YARDS	
TOTAL GRADING FEES	ACCT. #01-32106
SEWER ASSESSMENT FEES PAID YES NO	
AVIGATION AGREEMENT REQUIRED YES NO	

TOTAL ALL FEES $ 435.50

08-09-1990 01-05304/01-01 (PAY THIS AMOUNT)

PERMIT NO 25065 DATE 8/9/90

DEPARTMENT USE ONLY

Plan Check Validation _____

Minimum Setback Distances

Front Setback from Center Line _____ R/W _____

Rear Setback from Rear Property Line

Side Street Setback from Center Line _____ R/W _____

Side Setback from Property Line

NOTE: _____

APPLICATION ONLY

VALIDATION

When properly validated in this space, this form constitutes a permit to do

BLUE FINAL PINK FILE COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME _____ INITIAL _____ REMARKS
FOUNDATION			
CONSERVATION			

TRACT # _____

LOT # _____

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

0238

P.C. # | VAR # | DAB/FILE #

JOB ADDRESS: 1801 E. Avion St.

OWNER: Federal Express

OWNER'S ADDRESS: 1801 E. Avion St.

CITY: Ontario | ZIP: 91761 | TEL:

CONTRACTOR: CTI Electric, Inc.

ADDRESS: P.O. Box 885

CITY: Newhall | ZIP: 91322 | TEL: 818-782-2774

LIC. CLASS & LIC. #: 468280 C10 | CITY LIC. NO:

ARCHITECT OR ENGINEER: Certified Technology, Inc.

ADDRESS: 15164 Stagg St. | TEL: 818-988-2200

CITY: Van Nuys | ZIP: 91405 | STATE LIC. NO:

DESCRIPTION OF WORK: Electrical for Gasoline Fuel System

NO. OF STORIES: 1 | NO. OF UNITS:

OCCUPANCY: X | USE:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Fred Dauptain 8/21/87

CONTRACTOR DATE

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B.&P.C. for the reason _____

Owner _____ Date _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3700 Labor Code).

WC1-562-990767-936 Liberty Mutual 10/1/87

Company Date

X Certified copy is hereby furnished

Policy with the City

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

WARNING: Failure to secure workers' compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars ($100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, interest thereon, and attorney's fees.

I hereby affirm that I have complied with the requirements of the Workers' Compensation declaration and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: Fred Dauptain Date: 8/21/87

Mailing address: P.O. Box 885

City, State, Zip: Newhall, Ca. 91322

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION

6037

TOTAL VALUATION

BUILDING PERMIT FEES

PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA.	28-37210	
SEWER ASSESSMENT FEE # $75 EA.	28-37211	
TOTAL		

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ # $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # | SEP PIT | SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES	12	2.714	6.00
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
OCC. GROUP	SQ. FT.	#	¢
OCC. GROUP	SQ. FT.	#	¢
SERVICE AMPS		#	
NO. UNITS	TEMP. POWER		
NO. MOTORS	3	under 1HP	6.00
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES #			10.00
TOTAL ELECTRICAL FEES ACCT #01-32103			22.00

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT. #01-32104

GRADING FEES

CITY OF ONTARIO

CUBIC YARDS TOTAL

TOTAL GRADING FEES ACCT #01-32 CHECK 22.00

SEWER ASSESSMENT FEES PAID YES NO 9545211010002PT

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 22.00

PERMIT NO. 63535 DATE 8/21/87

VALIDATION

This property validated in the space at the top of this form covering a fee of $ _____

APPLICATION ONLY

PLEASE DO NOT REMOVE

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG. TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	10-15-87	[illegible]
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
ENGINEERING		
TRASH BINS		
D.A.B. REQ.		
SITE PLAN		
VARIANCE		
C.U.P.		

C.O. ISSUED DATE

TEMP. C.O. ISSUED DATE

CONDITIONS

INSPECTOR'S NAME INITIAL

REMARKS

SEWER DIAGRAM

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

TRACT # _____ LOT # _____ 67-58 VAR # _____ DAH/FILE # _____ 020881-0113-

1801 E. Avion St., Ontario, Ca.

Dept. of Airports/Federal Express

2132 E. Avion St., Terminal Bldg.

Ontario, Ca. 91761 714/984-1207

JOE KAY DESIGN & CONSTRUCTION CO., INC

2742 W. Orangethorpe Ave., "I"
P.O. Box 2365

Fullerton, CA 92633 714/879-3165

B1-269498

Fuel Island Canopy

OCC./TYPE CONST	SIZE (SQ FT)	VAL. (SQ FT)	VALUATION
Canopy	720	18.00	12,960

BUILDING PERMIT FEES

	TOTAL VALUATION	
PERMIT #	01-32101	98 50
PLAN CHECK 12 61717	01-36105	
PARK & REC. ACQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	91
SEWER CAPITAL ASSESSMENT FEE # $950 EA.	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
TOTAL		189 41

PLUMBING FEES

BATHTUBS	DISHWASHER/DISPOSAL
SHOWERS	CLOTHES WASHERS
WATER CLOSETS	DRINK. FOUNTAINS
LAVATORIES	URINALS
SINKS	INTERCEPTORS
	DRAINS

TOTAL FIXTURES # $

WATER HEATERS/POOL ● SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # SEP PIT SEPTIC TANK

PERMIT FEE #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT. # $

OCC. GROUP SQ. FT. # $

SERVICE AMPS $

NO. UNITS TEL. P. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT #01-32103

MECH. FEES

HEATING M/BTU A.C. M/BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES CITY OF ONTARIO

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 99 41

PERMIT NO. 6286 DATE 7-7-87

LICENSED CONTRACTOR'S DECLARATION

Joe D. Kay 7-8-87

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

X I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improve thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. B & P. for the reason

Date

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

0766286-87 STATE FUND JULY 7/1/88

X Policy number and company

Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

I understand that if I later become subject to the Workers' Compensation provisions of the Labor Code, I must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name

Lender's Address

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant Joe D. Kay - Pres Date 7/7/87

Mailing address P.O. Box 2365

City, State, Zip Fullerton, Ca., 92633-0365

INSPECTION RECORD

INSPECTION	DATE	INSPECTOR
FOOTING		
SLAB		
UNDERGROUND		
UNDERGROUND ELECTRIC		
UNDERGROUND MECHANICAL		
FLOOR FRAMING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
LATH COVERING		
PLUG TOP OUT		
FIRE PLACE - THROAT		
FIRE PLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING	1-4-88	D.A.K.
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		

OTHER DEPARTMENT REQUIREMENTS
ENGINEERING
TRASH BINS
D.A.B. REQ.
SITE PLAN
VARIANCE
C.U.P.

FOOTING	9-28-87 B.K.

PERMIT ISSUED: DATE

COMMENCED

INSPECTOR'S NAME _____ INITIAL

REMARKS

9-28-87 COLUMN BY PACK OK KB

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

CV 3-

PC # VAR # DAB/FILE #

BUILDING ADDRESS: 1801 Avion

OWNER: FEDERAL EXPRESS CORPORATION

MAILING ADDRESS: ONTARIO INTERNATIONAL AIRPORT

CITY: Ontario ZIP: 91761 TEL: 967-0789

CONTRACTOR: REDI CONSTRUCTION CO.

ADDRESS: P. O. Box 727

CITY: Temple City ZIP: 91780 TEL: (818)442-0321

STATE LIC # & CLASS: 371644 C-10 CITY LIC NO: 17339L

ARCHITECT: N/A

ADDRESS: TEL:

CITY: ZIP: STATE LIC NO:

ENGINEER: PETROLOGIST:

VALUE: 30,000 NO. STORIES: 1 NO. DW UNITS: 0

OCCUPANCY: COMMERCIAL [ ] INDUSTRIAL [X]

USE: Addn. to Bldg. BUILDING [ ] SEWER [ ] DEMOLITION [ ]

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

LICENSE # _____ DATE _____

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B & P C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. _____ Company _____

[ ] Copy is filed with the City [ ] Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

WARNING: IF APPLICANT in after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: Steve S. Thomas Date: 8-29-86

Mailing Address: PO Box 727

City, State, Zip: Temple City, CA

OCC. TYPE CONST.	SQ. FT.	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT @	01-32101	
PLAN CHECK @	01-36105	
PARK & REC. AQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-215-116	
SEWER CAPITAL ASSESSMENT FEE @ $750 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
TOTAL		

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	
TOTAL FIXTURES		@ $	
WATER HEATERS/POOL & SPA HEATERS			
WATER [ ] GAS [ ]		PIPING	
SOLAR COLLECTORS/TANKS			
PERMIT FEES @			
TOTAL PLUMBING FEES	ACCT #01-32102		
HOUSE SEWER @	SEP. PIT	SEPTIC TANK	
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105		

ELECTRICAL FEES

SWITCHES, RECEPTACLES			
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
OCC. GROUP	SQ. FT @	¢	
OCC. GROUP	SQ. FT @	¢	
SERVICE	AMPS @		
NO. UNITS	TEMP. POWER		
NO. MOTORS	4 @ 5.00		20 00
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES @	10.00		10 00
TOTAL ELECTRICAL FEES	ACCT #01-32103		30 00

MECH. FEES

HEATING M/BTU	A/C M/BTU		
OTHER			
PERMIT FEE @			
TOTAL MECHANICAL FEES	ACCT #01-32104		

GRADING FEES

CUBIC YARDS			
TOTAL GRADING FEES	ACCT #01-32106		
SEWER ASSESSMENT FEES PAID	YES	NO	
AVIGATION AGREEMENT REQUIRED	YES	NO	

TOTAL ALL FEES (PAY THIS AMOUNT): $ 30 00

PERMIT NO. 5076 DATE 10-23-86

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL		
UNDERGROUND PLUMBING		
UNDERGROUND ELECT		
UNDERGROUND MECH		
POOL STEEL/BOND BEAM/LINER		
SPA PLBG./SPA HTG.		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG. TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	10-15-87	
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
FIRE/RESCUE CALLED		
GAS CO CALLED		

C.O. ISSUED: DATE

TEMP. C.O. ISSUED: DATE

CONDITIONS:

INSPECTOR'S NAME INITIAL

REMARKS

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING		
TRASH/RINS		
LA REQ		

TRACT # _____
LOT # _____

CITY OF ONTARIO DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

PC # _____ VAR # _____ DAB/FILE # _____

BUILDING ADDRESS 1801 E. AVION

OWNER FEDERAL EXPRESS

MAILING ADDRESS 1801 E. AVION

CITY ONTARIO ZIP 91761 TEL 985-4245

CONTRACTOR O.C. ANTENNA

ADDRESS 9311 KRAMER "G"

CITY WESTMINSTER ZIP 92683 TEL 895-8040

STATE LIC & CLASS C61 COMM. 462934 CITY LIC NO 6[illegible]

ARCH. ENGR DESIGNER _____

ADDRESS _____ TEL _____

CITY _____ ZIP _____ STATE LIC NO _____

DESCRIBE PROPOSED USE INSTALL SAT DISH.

NO STORIES _____ NO. DW UNITS _____

RESIDENTIAL ( ) COMMERCIAL ( ) INDUSTRIAL ( )

NEW ( ) ADDIT ( ) ALTER ( ) REPAIR ( ) DEMOLITION ( )

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

SIGNATURE [signature] 5/10/88 DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

( ) I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

( ) I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

( ) I am exempt under Sec _____ B & PC for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. X Copy filed with the City Company STATE FUND 1-1-87

( ) Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

WARNING TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 8/11/88

Mailing Address 9311 KRAMER G

City, State, Zip WESTMINSTER, CAL. 92683

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned.

APPLICATION ONLY

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
			1,500

TOTAL VALUATION 1,500.00

PERMIT @ 01-32101	35	00
PLAN CHECK @ 01-38105	22	75
PARK & REC. AQUISITION FEE @ 07-31901		
EARTHQUAKE FEE @ 01-215-146		50
SEWER CAPITAL ASSESSMENT FEE @ $950 EA. 28-37210		
SEWER ASSESSMENT FEE @ $75 EA. 28-37211		
TOTAL		

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL
SHOWERS		CLOTHES WASHERS
WATER CLOSETS		DRINK. FOUNTAINS
LAVATORIES		URINALS
SINKS		INTERCEPTORS
		DRAINS

TOTAL FIXTURES _____ @ $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. #01-32102

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT @ ¢

OCC. GROUP SQ. FT @ ¢

SERVICE AMPS @

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT #01-32103

MECHANICAL FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32[illegible]

SEWER ASSESSMENT FEES PAID YES NO

AVIATION AGREEMENT REQUIRED YES NO

CITY OF ONTARIO [illegible] 30.25 [illegible] 25 30891110106[illegible]

TOTAL ALL FEES (PAY THIS AMOUNT) $ 55.25

PERMIT NO. 70900 DATE 5/11/88

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
[illegible]		
PLUMBING		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
FRAMING SHEATHING		
[illegible] FRAMING		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible] BOND BEAM		
[illegible]		
[illegible] BOND BEAM		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible] BOND BEAM		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]

TRACT # _____
LOT # _____

CITY OF ONTARIO DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

0113

PC # H-E7-49 VAR # — DAB/FILE # —

BUILDING ADDRESS: 1801 AVION ST.

OWNER: [redacted] FEDERAL EXPRESS CORP.

MAILING ADDRESS: BOX 727, DEPT. 370-654

CITY: MEMPHIS, TEN. ZIP: 38194 TEL: (901) 922-5752

CONTRACTOR: W HEATH & CO.

ADDRESS: 3225 LACY ST.

CITY: L.A., CA. ZIP: 90031 TEL: (213) 223-4141

STATE LIC & CLASS: 414351 C-45 & B CITY LIC NO: 033456

ARCH / ENGR: J. HAVEIC

ADDRESS: 3225 LACY ST. TEL: (213) 223-4144

CITY: L.A., CA. ZIP: 90031 STATE LIC NO: C27912

PROPERTY OWNER:

PERMIT USE: SIGNAGE: (1) 3'-6" X 7'-0" @ 3'-6" HIGH MONUMENT (1) 3'-0" X 56'-9" WALL.

NO. OF STORIES: NO. OF UNITS:

USE: COMMERCIAL [X] INDUSTRIAL [ ]

NEW: [X] ADD'N: [ ] ALTER: [ ] DEMOLITION: [ ]

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

[redacted] 3-4-87
SIGNATURE DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self insure or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. TCP-B1147830-6-86 Company: TRAVELERS INS. CO.

[X] Copy is filed with the City [ ] Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

SEE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant [redacted] Date 3-4-87

Mailing Address 3225 LACY ST.

City, State, Zip L.A., CA 90031

BUILDING PERMIT FEES	OCC./TYPE CONST	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
			TOTAL VALUATION	3,000

PERMIT @	01-32101	68 50
PLAN CHECK @	01-36105	44 50
PARK & REC. AQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-215-116	56
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
	TOTAL	113 56

PLUMBING FEES			
BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ @ $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES @

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER @ | SEP PIT | SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105

ELECTRICAL FEES			
SWITCHES, RECEPTACLES			
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
OCC GROUP	SQ FT	@	¢
OCC. GROUP	SQ FT.	@	¢
SERVICE	AMPS	@	
NO. UNITS	TEMP. POWER		
~~NO. MOTORS~~ 2 Branch Circuit			20 00
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES @ 2			10 00
TOTAL ELECTRICAL FEES	ACCT. #01-32103		30 00

MECH. FEES			
HEATING	M/BTU	A/C	M/BTU
OTHER			
PERMIT FEE @			
TOTAL MECHANICAL FEES	ACCT #01-32104		

GRADING FEES	
CUBIC YARDS	CITY OF ONTARIO
TOTAL GRADING FEES ACCT. #01-321	143.58
SEWER ASSESSMENT FEES PAID YES NO	#33411010506
AVIGATION AGREEMENT REQUIRED YES NO	

TOTAL ALL FEES (PAY THIS AMOUNT) $ 143 58

PERMIT NO. 60081 DATE 3-6-87

VALIDATION

When properly validated in this space this form constitutes a permit to do the work described herein. This permit will expire if work is not started

APPLICATION ONLY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
[illegible]		
[illegible]	4/8/87	CSG
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
ENERGY CONSERVATION		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
DIAGONAL BONE BEAM		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
SEWER, CESSPOOL, LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	* Not Done	
[illegible]		
[illegible]	4/3/87	CDG
[illegible]		
[illegible]		
[illegible]		
[illegible]		

OTHER DEPARTMENT REQUIREMENTS

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

C.O. ISSUED DATE

TEMP. C.O. ISSUED DATE

CONDITIONS

INSPECTOR'S NAME

INITIAL

REMARKS

SEWER DIAGRAM

TRACT # _____

LOT # _____

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

113-261-15

P.C. # X-86-40 VAR # — DAB/FILE # 3389-S

BUILDING ADDRESS 1801 AVION

OWNER Federal Express Corp

MAILING ADDRESS 2837 Sprankle Hungers Rd

CITY Memphis Tenn ZIP 38194(7) TEL 901-922-5752

CONTRACTOR Hunkeler Construction

ADDRESS 765 Baker St

CITY Costa Mesa ZIP 92626 TEL 714-957-8191

STATE LIC. # 353753 B CITY LIC. NO Pending

ARCHITECT OR ENGINEER W. Hart & Associates 213

ADDRESS 3000 Wilshire #420 TEL 413-1945

CITY LA Ca ZIP 90010 STATE LIC. NO

DESCRIPTION OF PROPOSED CONSTRUCTION Grading 750 Cyds

USE — NO. STORIES — NO. UNITS —

RESIDENTIAL ☐ COMMERCIAL ☐ INDUSTRIAL X

ADD ☐ ALTER ☐ REPAIR ☐ DEMOLITION ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

SIGNATURE Larry Kibel DATE 6-30-86

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☐ as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. However, if the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

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I am exempt under Sec. _____ B & P C for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. SS349480 Fremont 10-18-86

Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Larry Kibel Date 6-30-86

Mailing Address _____

City, State, Zip _____

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein.

APPLICATION ONLY

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION

BUILDING PERMIT FEES		TOTAL VALUATION	
PERMIT #		01-32101	
PLAN CHECK Pd 49150		01-38105	
PARK & REC. AQUISITION FEE #		07-31901	
EARTHQUAKE FEE #		01-215-116	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.		28-37210	
SEWER ASSESSMENT FEE @ $75 EA.		28-37211	
		TOTAL	

PLUMBING FEES			
BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	
TOTAL FIXTURES	@ $		
WATER HEATERS/POOL • SPA HEATER			
WATER ☐ GAS ☐ PIPING			
SOLAR COLLECTORS/TANKS			
PERMIT FEES #			
TOTAL PLUMBING FEES		ACCT. #01-32102	
HOUSE SEWER #	SEP PIT	SEPTIC TANK	
PERMIT FEES #			
TOTAL HOUSE SEWER & SANITATION FEES		ACCT #01-32105	

ELECTRICAL FEES				
SWITCHES, RECEPTACLES				
LIGHTING FIXTURES				
APPLIANCE OUTLETS				
OCC. GROUP	SQ. FT	@	¢	
OCC. GROUP	SQ. FT	@	¢	
SEPVICE	AMPS	@		
NO. UNITS	TEMP. POWER			
NO. MOTORS				
SWIMMING POOL/SPA ELECTRIC				
PERMIT FEES #				
TOTAL ELECTRICAL FEES			ACCT #01-32103	

MECH. FEES			
HEATING M/BTU	A/C M/BTU		
OTHER			
PERMIT FEE #			
TOTAL MECHANICAL FEES		ACCT #01-32104	

GRADING FEES		
CUBIC YARDS 750 (Cyds)		
TOTAL GRADING FEES	ACCT. #01-32106	62.50
SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		

TOTAL ALL FEES (PAY THIS AMOUNT) $ 62.50

50200

PERMIT NO. _____ DATE 6-30-86 CF

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL		
U. GRND PLUMBING		
U. GRND ELECT		
U. GRND MECH		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
FLUE - TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
ENGINEERING		
TRASH BINS		
D.A.B. REQ.		
SITE PLAN		
VARIANCE		
C.U.P.		

C.O. ISSUED: DATE _____

TEMP. C.O. ISSUED: DATE _____

CONDITIONS: _____

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM



MicroFilming Services
160-C Vander St P O Box 2106
CORONA, CALIFORNIA 91720

(714) 735-8733

1801 Avion

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF 91764 TEL (714) 986-1151

TRACT #

LOT #

M86-13

DAB FILE #

BUILDING ADDRESS: 1801 ALTON ONTARIO

OWNER: FEDERAL EXPRESS

ADDRESS: PO BOX 727

CITY: MEMPHIS TEN ZIP: 38194 PHONE: N/A

CONTRACTOR: SERVICE CORP'S

ADDRESS: 1521 So. SUNKIST #E

CITY: ANAHEIM ZIP: 92806 PHONE: 714-937-0464

ARCH. ENGR. DESIGNER: W HAAS- CASSOCOC PHONE: 213-413-4945

ADDRESS: 3600 WILSHIRE BLVD

CITY: LOS ANGELES, CA ZIP: 90010 DATE: C-2209

DESCRIPTION OF WORK: FOR INSTALLATION OF HVAC - DUCTING, EXH SYS.

SQ FT SIZE: 29,140 NO. OF STORIES: 1 NO. OF UNITS: 1

USE: [X]

BUILDING PERMIT FEES

PERMIT #	01-32101	
PLAN CHECK #	01-32105	7 12
PARK & REC. ACQUISITION FEE #	01-32001	
EARTHQUAKE FEE #	01-32116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-32210	
SEWER ASSESSMENT FEE # $75 EA	28-32211	
TOTAL		7 12

PLUMBING FEES

BATHTUBS	DISHWASHER, DISPOSAL
SHOWERS	CLOTHES WASHERS
WATER CLOSETS	DRINK FOUNTAINS
LAVATORIES	URINALS
SINKS	INTERCEPTORS
	DRAINS

TOTAL FIXTURES # $

WATER HEATER, POOL ● SPA HEATER

WATER [ ] GAS [ ] PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SEPTIC TANK FEES ACCT #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ FT # C

OCC. GROUP SQ FT # C

SERVICE AMPS "

NO. UNITS 3 PHASE POWER

NO. MOTORS

SWIMMING POOL W/A ELECTRIC

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT #01-32103

MECH. FEES

HEATING 2 M/BTU A/C M/BTU	120000 (20)	15 00
OTHER 3 - SHEETMETAL - EXH		13 50
PERMIT FEE #		10 00
TOTAL MECHANICAL FEES ACCT #01-32104		38.50

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 45 62

53511 4562

PERMIT NO DATE 11/19/84

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter [illegible] of Division 3 of the Business and Professions Code, and my license is in full force and effect.

SIGNATURE 11-18-86 DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, any such owner builder has not built or improved one structure only, but has built or improved two or more structures, duplexes, or accessory buildings, or any combination thereof, during any consecutive 12-month period, he shall be presumed to have built or improved them for the purpose of sale, whether or not any such improvements are intended or offered for sale at the time of construction. In any action brought by the people of the State of California, the burden of proving that he did not build or improve for the purpose of sale shall be upon the owner builder.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. ____ B & P.C. for this reason: ____

Date ____ Owner ____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. ____ Company ____

[X] Copy is filed with the City. [ ] Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name Federal EXPRESS

Lender's Address PO Box 727 MEMPHIS TN.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 11-18-86

Mailing Address 1521 So SUNKIST #E

City, State, Zip ANAHEIM, CA 92806

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 120 days or if work is abandoned for more than 120 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS
Ceiling	12/24/86	C Self	
FINAL MECHANICAL	11/10/87	C Self	

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
TRASH BINS	
D.A.B. REQ.	
SITE PLAN	
VARIANCE	
C.U.P.	

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF 91764 TEL (714) 486-1151

JOB #

BUILDING ADDRESS

OWNER

ARCHITECT

ENGINEER

CONTRACTOR

ADDRESS

PHONE

STATE LIC. #

CITY LIC. #

ARCH'L CONTROL

ENGINEER

ADDRESS

PHONE

PERMIT USE

ZONE

OCCUPANCY

NO. OF BLDGS.

NO. OF UNITS

NEW

ADDITION

ALTER

REPAIR

DEMOLITION

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

SIGNATURE _____ DATE _____

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

I am exempt under Sec. _____ B. & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. _____ Company _____

X Copy is filed with the City. ___ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relative to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

VALIDATION

When property completed in this space and form completed, a permit to do the work described herein. This permit will expire if work is not started within 120 days or if work is abandoned for more than 120 days.

BUILDING PERMIT FEES

PERMIT #		
PLAN CHECK		
PARK & REC. ACQUISITION FEE #		07-31901
EARTHQUAKE FEE #		
SEWER CAPITAL ASSESSMENT FEE #	$950 EA	28-32211
SEWER ASSESSMENT FEE #	$ EA	28-32211
		TOTAL

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ # $ _____

WATER HEATERS/POOL • SPA HEATER

WATER: GAS ELECTRIC PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # SEPTIC TANK

PERMIT FEE #

TOTAL HOUSE SEWER & SEPTIC FEES ACCT #01-32102

ELECTRICAL FEES

SWITCHES/RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP _____ SQ. FT. _____ #

OCC. GROUP _____ SQ. FT. _____ #

SERVICE _____ AMPS #

NO. UNITS _____ TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT #01-32103

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $

PERMIT NO. _____ DATE _____

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
STAKES		
FOUNDATION - STEEL	8-21-86	KEB
UNDERGROUND PLUMBING		
UNDERGROUND ELECT		
UNDERGROUND MECH		
POOL STEEL - BOND BEAM		
SPA PERIMETER		
SLAB GRADE		
OK TO POUR SLAB	11-19-86	KEB
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING	11-19-86	
ROOF SHEATHING D	11-14-86	KEB
SHEAR PANELS A	10-1-86	KEB
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
FLUE TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR	12-2-86	KEB
LATH - INTERIOR		
DRY WALL NAIL	12-8-86	
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
LATH T. Bar Ceiling	12/24/86	
SEWER/CESSPOOL/TRENCH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING	3-27-87	
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING		
TRASH BINS Plan	8-30-87	
OAK REQ. Plan	1-22-87	
SITE PLAN Fire	9-17-87	
VARIANCE Fire	2-18-87	
OTHER		

REMARKS

8-11-86 SLAB APPROVED PLANS. KEB
8-21-86 " " " KEB
8-27-86 " " " KEB
8-28-86 " " " KEB
9-2-86 " " " KEB
9-15-86 PANELS FB-LINE KEB
9-16-86 " D-1 (EXCLUD. 109, 105, 107
9-22-86 " SEE PLAN KEB
9-25-86 Panels 106A-111-111A-110-112 114-118-120-126 CSep KEB
9-30-86 SEE PLANS KEB
10-2-86 EXT PIERS OK Rmm KEB
10-16-86 COLUMN STEEL KEB
11-5-86 Pour Strips See Plans KEB
Dry Pack Columns OK KEB
11-13-86 High Roof only KEB
11-14-86 OFFICE FRONT KEB
11-12-86 Power Stud OK. Framing OK. Stucco OK. BR
12-5-86 OK to Hang Bathroom & Kitchen Gyp.
12-31-86 TH ENC. PIERS OK. B
1-6-87 GARAGE WALL OK. TRENCH OK B

SEWER DIAGRAM

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF 91764 TEL. (714) 986-9151

TRACT # —

LOT # —

115-261-15

P.C.# — VAR # — DAB FILE # N/A

BUILDING ADDRESS 1801 EAST ARICN

OWNER Federal Express

MAILING ADDRESS 2851 Inland Empire #7

CITY Ontario ZIP 91761 TEL 909 923-3752

CONTRACTOR Andrew D. Cooper Co

ADDRESS 543 E. Central Park Ave

CITY Anaheim CA. ZIP 92802 TEL 714-991-4700

STATE LIC. & CLASS# 220551 C20/36 CITY LIC. NO 9496

ARCH. ENGR. DESIGNER

ADDRESS TEL

CITY ZIP STATE LIC. NO

INTENDED PERMIT USE Plumbing

SQ FT SIZE NO STORIES NO. DW UNITS

RESIDENTIAL ☐ COMMERCIAL ☐ INDUSTRIAL ☐

NEW ☐ ADD ☐ ALTER ☐ REPAIR ☐ DEMOLITION ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

X Carl Mabe 8/11/86
SIGNATURE DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500)

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. ____ B & P.C. for this reason ____

Date ____ Owner ____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code)

Policy No. WC610256-7 Company Superior 1-1-87

☒ Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

X Signature of Applicant Carl Mabe Date 8/11/86

Mailing Address ____

City, State, Zip ____

OCC. TYPE (USE)	SIZE SQ. FT.	VAL. SQ. FT.	VALUATION
		TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT #		01-32101	
PLAN CHECK #		01-32105	
PARK & REC. AQUISITION FEE #		07-31901	
EARTHQUAKE FEE #		01-215-116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA.		28-37210	
SEWER ASSESSMENT FEE # $75 EA.		28-37211	
		TOTAL	

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS	2	CLOTHES WASHERS	
WATER CLOSETS	9	DRINK. FOUNTAINS	2
LAVATORIES	6	URINALS	2
SINKS	9	INTERCEPTORS	
		DRAINS	13
TOTAL FIXTURES 38	# $ 4.00		152 00
WATER HEATERS/POOL • SPA HEATER			
WATER ☒ GAS ☐ PIPING			2 00
SOLAR COLLECTORS/TANKS			
PERMIT FEES #			10 00
TOTAL PLUMBING FEES	ACCT. #01-32102		164 00

HOUSE SEWER #	SEP PIT	SEPTIC TANK	
PERMIT FEES #			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT. #01-32105		

ELECTRICAL FEES

SWITCHES RECEPTACLES			
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
OCC GROUP	SQ. FT	#	¢
OCC GROUP	SQ. FT	#	¢
SERVICE	AMPS.	#	
NO. UNITS	TEMP. POWER		
NO. MOTORS			
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES #			
TOTAL ELECTRICAL FEES	ACCT. #01-32103		

MECH. FEES

HEATING M/BTU	A/C M/BTU		
OTHER			
PERMIT FEE #			
TOTAL MECHANICAL FEES	ACCT. #01-32104		

GRADING FEES TOTAL OF ATTACHED SHEET(S)

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. #01-32106	
SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		
TOTAL ALL FEES (PAY THIS AMOUNT)		$ 164 00

PERMIT NO. 51008 DATE 8/11/86

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 120 days, or if work is abandoned for more than 120 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SET BACKS		
FOOTINGS - FORM/STEEL		
U. GRND PLUMBING		
U. GRND ELECT		
U. GRND MECH		
POOL STEEL - BOND BEAM		
POOL PLBG - SPA HTG		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING	11/18/86	Sef
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING	11/18/86	Sef
PLBG TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING	1/28/87	C Sef
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		

C.O. ISSUED DATE _____

TEMP. C.O. ISSUED DATE _____

CONDITIONS _____

INSPECTOR NAME _____ INITIAL _____

REMARKS

Underground Plmg ok to office restrooms. 9/13/86 Sef
Shower pans ok 12/22/86 Sef

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING
TRASH BINS
D.A.B. REQ.
SITE PLAN
VARIANCE
C.U.P.

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL (714) 986-1151

TRACT # ____ LOT # ____

PC # ____ VAR # ____ DAB-FILE # N/E

BUILDING ADDRESS 1801 AVION CITY STATION, ONTARIO AIRPORT

OWNER FEDERAL EXPRESS

MAILING ADDRESS ____

CITY ____ ZIP ____ TEL ____

CONTRACTOR HART ELECTRIC

ADDRESS 2362 ALMERA

CITY Rowland Hts. ZIP 91748 TEL 912-7971

STATE LIC & CLASS# C-10 447683 LOCAL LIC NO ____

ARCH. ENGR. DESIGNER W HAAS

ADDRESS 3600 WILSHIRE TEL 213-413-4945

CITY L.A. ZIP 90010 STATE LIC NO ____

INTENDED PERMIT USE ELECTRICAL

SQ FT SIZE ____ NO STORIES ____ NO DW UNITS ____

RESIDENTIAL ☐ COMMERCIAL ☒ INDUSTRIAL ☐

NEW ☐ ADD ☐ ALTER ☐ REPAIR ☐ DEMOLITION ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

Eric R Ahrt 7-4-86

SIGNATURE DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5 Business and Professions Code): Any city or county which requires a permit to construct alter improve demolish or repair any structure prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I as owner of the property or my employees with wages as their sole compensation will do the work and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of selling.

☐ I as owner of the property am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.

☐ I am exempt under Sec. ____ B & P C for the following reason: ____

Date ____ Owner ____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. K52025 Company Fairmont 7/23/81

☒ Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code):

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant: Eric R. Ahrt Date 7-9-86

Mailing Address 2362 ALMERA AVE.

City, State, Zip Rowland Hts., CA. 91748

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 120 days, or if work is abandoned for more than 120 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

OCC. TYPE - UNIT	SIZE - QUANT.	VAL. - U.F.	VALUATION
		TOTAL VALUATION	

PERMIT @	01-32101	
PLAN CHECK @	01-32105	
PARK & REC. AQUISITION FEE @	07 31901	
EARTHQUAKE FEE @	01 215 116	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA	28-37210	
SEWER ASSESSMENT FEE @ $75 EA	28-37211	
TOTAL		

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES ____ @ $ ____		
WATER HEATERS/POOL • SPA HEATER		
WATER ☐ GAS ☐ PIPING		
SOLAR COLLECTORS/TANKS		
PERMIT FEES @		
TOTAL PLUMBING FEES ACCT #01-32102		
HOUSE SEWER @	SEP PIT / SEPTIC TANK	
PERMIT FEES @		
TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105		

ELECTRICAL FEES

SWITCHES, RECEPTACLES	132		43 66
LIGHTING FIXTURES	307		94 10
APPLIANCE OUTLETS	6		12 00
OCC GROUP	SQ FT	@ ¢	
OCC GROUP	SQ FT	@ ¢	
SERVICE 600 AMPS		@	25 00
NO. UNITS	TEMP. POWER		
NO. MOTORS			
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES @			10 00
TOTAL ELECTRICAL FEES ACCT #01-32103			186 70

MECH. FEES

HEATING M/BTU	A/C M/BTU		
OTHER			
PERMIT FEE @			
TOTAL MECHANICAL FEES ACCT #01-32104			

GRADING FEES

CUBIC YARDS	
TOTAL GRADING FEES ACCT #01-32106	
SEWER ASSESSMENT FEES PAID YES NO	
AVIGATION AGREEMENT REQUIRED YES NO	

TOTAL ALL FEES (PAY THIS AMOUNT) $ 186 70

PERMIT NO. 50879 DATE 7/31/86

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTING - [illegible]		
UNDERGROUND PLUMBING		
UNDERGROUND [illegible]		
UNDERGROUND [illegible]		
POOL STEEL - BONDING - GAS TEST		
[illegible]		
SLAB [illegible]		
[illegible]		
ROUGH PLUMBING	12-8-86	BL Ma
ROUGH [illegible]		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLUG TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	1-5-87	BeMaci
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO CALLED		
GAS CO CALLED		
OTHER DEPARTMENT REQUIREMENTS		
ENGINEERING		
TRASH BINS		
D.A.B REQ.		
SITE PLAN		
VARIANCE		
C.U.P.		

[illegible] DeMaci [illegible] BL

REMARKS

8-1-86 NOTIFIED OWNR ~~[illegible]~~
AIR PORT JOHN ~~[illegible]~~ WILL NOT
ACCEPT ~~[illegible]~~ BURIED 12 KV cable
NEW work UNTIL AN EASEMENT IS
OBTAINED ON SITE D.L.Maci
9-24-86 CONDUIT IN PAVEN OK BLMa
9-26-86 " " " " B
10-3-86 UFER GND OK BL
10-27-86 LT. STDS & BASES THRU OK BL
11-19-86 ELECT Rough office OK BL
12/24/86 T Pan Lights & Stuff

SEWER DIAGRAM

TRACT #

LOT #

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

JOB ADDRESS: 1801 ALTON RD - ONTARIO Ca

OWNER: FEDERAL EXPRESS

MAILING ADDRESS: 1991 CORPORATE BLVD

CITY: MEMPHIS STATE: TN ZIP: 38132 TEL: N/A

CONTRACTOR: SERVICE CORPS

ADDRESS: 1521 So SUNKIST #E

CITY: ANAHEIM STATE: Ca ZIP: 92806 TEL: (714) 932-0464

STATE LIC. #: C-20-489318 CITY LIC. #:

ARCHITECT OR ENGINEER: LW-HAAS + Associates

ADDRESS: 3600 WILSHIRE BLVD

CITY: LOS ANGELES STATE: Ca ZIP: 90010 TEL: (213)

INTENDED OCCUPANCY: FOR additional EXH

Ducting For Bldg ADDIT.

SQ. FT. OR CU. YDS.: 29,190 NO. OF BLDGS.: 1 NO. OF DWELLING UNITS: 1

RESIDENTIAL: NEW ADDITION ALTERATION REPAIR COMMERCIAL: NEW ADDITION ALTERATION REPAIR DEMOLITION AGRICULTURAL

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

SIGNATURE: [signature] 1-23-87

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B. & P. C. for this reason

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof. (Sec. 1861, Labor Code.)

Policy No. _____ Company OHIO CASUALTY

X Copy is filed with the City

Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name: N/A

Lender's Address: _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: [signature] Date: 2-20-87

Mailing Address: 1521 So SUNKIST #E

City, State, Zip: ANAHEIM, Ca 92806

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 120 days, or if work is abandoned for more than 120 days.

	VALUATION	
BUILDING PERMIT FEES		
PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-21115 116	
SEWER CAPITAL ASSESSMENT FEE # $1650 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
TOTAL		
PLUMBING FEES		
BATHTUBS	DISHWASHER DISPOSAL	
SHOWERS	CLOTHES WASHERS	
WATER CLOSETS	DRINK. FOUNTAINS	
LAVATORIES	URINALS	
SINKS	INTERCEPTORS	
	DRAINS	
TOTAL FIXTURES # $		
WATER HEATERS POOL • SPA HEATER		
WATER ☐ GAS ☐ PIPING		
SOLAR COLLECTORS/TANKS		
PERMIT FEES #		
TOTAL PLUMBING FEES	ACCT #01-32102	
HOUSE SEWER #	SEP PIT SEPTIC TANK	
PERMIT FEES #		
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105	
ELECTRICAL FEES		
SWITCHES RECEPTACLES		
LIGHTING FIXTURES		
APPLIANCE OUTLETS		
OCC. GROUP SQ. FT. # ¢		
OCC. GROUP SQ. FT. # ¢		
SERVICE AMPS #		
NO. UNITS TEMP. POWER		
NO. MOTORS		
SWIMMING POOL SPA ELECTRIC		
PERMIT FEES #		
TOTAL ELECTRICAL FEES	ACCT #01-32103	
MECH. FEES		
HEATING M/BTU A/C M/BTU		300
OTHER additional Duct EXH-SYS		800
PERMIT FEE #		16 00
TOTAL MECHANICAL FEES	ACCT #01-32104	1100
GRADING FEES		
CUBIC YARDS	CITY OF ONTARIO	
TOTAL GRADING FEES	ACCT #01-32	
SEWER ASSESSMENT FEES PAID YES NO	049191110102200?	
AVIGATION AGREEMENT REQUIRED YES NO		
TOTAL ALL FEES (PAY THIS AMOUNT)	$ 11 00	

59678

PERMIT NO _____ DATE 2-20-87

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
[illegible]		
[illegible]		
[illegible]		

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

TRACT #

LOT #

P.C. # VAR. # APPL. #

BUILDING ADDRESS 1801 AVION

OWNER FEDEXPRESS

MAILING ADDRESS

CITY ZIP TEL

CONTRACTOR Burt Bros Elec

ADDRESS 2362 Omega (Std)

CITY Rowland Hgts ZIP 91748 TEL 912-7911

STATE LIC. & CLASS # 447683 CITY BUS. LIC. # 22913 L

ARCHITECT/ENGINEER

ADDRESS TEL

CITY ZIP STATE LIC. #

INTENDED USE/PERMIT USE

SQ. FT. SIZE NO. OF STORIES NO. OF DW. UNITS

RESIDENTIAL: NEW ADD'L ALTER'S RE-ROOF NON-RESIDENTIAL: NEW ADD'L ALTER'S RE-ROOF DEMOLITION

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

SIGNATURE Eric R. Hart DATE 12-30-86

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____, B.& P.C. for this reason: _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. R 52025 Company Fairmont 4-23-87

X Copy is filed with the City

Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Eric R. Hart 12-30-86

Mailing Address _____

City, State, Zip _____

VALUATION

PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	
SEWER CAPITA. ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
TOTAL		

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ # $ _____

WATER HEATERS / POOL • SPA HEATER

WATER ( ) GAS ( ) PIPING

SOLAR COLLECTORS / TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # SEP. PIT SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32104

ELECTRICAL FEES

SWITCHES RECEPTACLES		
LIGHTING FIXTURES		
APPLIANCE OUTLETS		
OCC. GROUP ___ SQ. FT. #		
OCC. GROUP ___ SQ. FT. #		
SERVICE 200 AMPS panel		12 50
NO. UNITS ___ TEMP. POWER		
NO. MOTORS 75. KVA Trans		20 00
SWIMMING POOL / SPA ELECTRIC		
PERMIT FEES # supplement		3 00
TOTAL ELECTRICAL FEES ACCT #01-32103		35 50

MECH. FEES

HEATING M/BTU A/C M/BTU	
OTHER	
PERMIT FEE #	
TOTAL MECHANICAL FEES ACCT #01-32104	

GRADING FEES

CUBIC YARDS	
TOTAL GRADING FEES ACCT #01-32106	
SEWER ASSESSMENT FEES PAID YES NO	
AVIGATION AGREEMENT REQUIRED YES NO	

TOTAL ALL FEES (PAY THIS AMOUNT) $ 35 50

PERMIT NO 58644 DATE 12-30-86

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 120 days, or if work is abandoned for more than 120 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

DC

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS
	10-22-86		
MASONARY BOND BEAM			
LATH INSPECTION			
DRY WALL NAIL			
GAS TEST			
POOL FENCE			
SEWER PERMIT / TAP / LINE FINAL			
FINAL GRADING			
FINAL PLUMBING			
FINAL ELECTRIC	1-5-87		
FINAL MECHANICAL			
FINAL BUILDING			
FINAL POOL/SPA			
FINAL SOLAR			
PLANNING CO CALLED			
CASTLE RATED			

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
TRASH BINS	
DAB REQ	
SITE PLAN	
VARIANCE	
CUP	

SEWER DIAGRAM

- 1841 Census -

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL (909) 391 2646

PLAN NO. X

APN NA

VALIDATION

BUILDING PERMIT FEES

PLUMBING FEES

ELECTRICAL FEES

MECH. FEES

GRADE FEES

WORKER'S COMPENSATION DECLARATION

CONSTRUCTION LENDING AGENCY

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

COMPLETED
Date 12-1-93

CUBIC YARDS 8,370 CY	189 00
TOTAL GRADING FEES ACCT 1500	189 00
SEWER ASSESSMENT FEES PAID YES NO	
AVIGATION AGREEMENT REQUIRED YES NO	
PAYOR: CONTR ~~OWNER~~ TOTAL ALL FEES (PAY THIS AMOUNT)	$ 189 00
PERMIT NO 95799 DATE 7/13/93 sc	

NOTE:

DEPARTMENT USE ONLY

Zone NA

Minimum Setback Distances

From Setback from Center Line ____ R/W ____

Rear Setback from Rear Property Line

Side Street Setback from Center Line ____ R/W ____

Side Setback from Property Line

Side Setback from Property Line

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME	REMARKS	INITIAL

SEWER DIAGRAM

COMPACTION REPORT	
ROUGH GRADING	
FINAL GRADING	12-1-93 L Quarry
FINAL PLUMBING	
FINAL ELECTRIC	
FINAL MECHANICAL	
FINAL BUILDING	12-1-93 L Quarry
FINAL POOL/SPA	
EDISON CO. CALLED	
GAS CO. CALLED	

OTHER DEPARTMENT REQUIREMENTS

PLANNING	
ENGINEERING	
POLICE	
FIRE	
PUBLIC FACILITIES	
PUBLIC SERVICES	
TEMP C/O ISSUED	
C/O ISSUED	

1801 E. AVION

TRACT # _____
LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: 0113-
APN

PC 95-22 MAP # DAB/FILE #

BUILDING ADDRESS 1801 E. AVION, ONTARIO

OWNER FEDERAL EXPRESS CORP.

MAILING ADDRESS P.O. BOX 727

CITY MEMPHIS TN ZIP 38194 TEL (901) 922-5752

CONTRACTOR

ADDRESS

ZIP TEL.

STATE LIC. & CLASSIF. CITY LIC NO.

ARCH. / ENGR. DESIGNER P&D CONSULTANTS

ADDRESS 1100 TOWN & COUNTRY #330 TEL 714 835-4447

CITY ORANGE CA ZIP 92668 STATE LIC. NO.

INTENDED PERMIT USE Grading

SQ. FT. SIZE | NO. STORIES | NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ License No. _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such wo - himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, nowever, the building or improvement is sold within one year of completion, the owner-builder will heve the burden of proving that he or are did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

(This section need not be completed if the permit is for one hundred dollars [$100] or less)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.):

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner-builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent: Barbara Gerhardt-Debord 11/29/95 Date

Minimum Setback Distances DEPARTMENT USE ONLY Zone IRS

Front Setback from Center Line _____ R/W _____

BUILDING PERMIT FEES

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PERMIT @	1000	
PLAN CHECK BLDG. DEPT.	1001	45 00
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
MISC.		
TOTAL		45 00

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	
WATER CLOSETS			INTERCEPTORS	
LAVATORIES	SINKS		DRIANS	

TOTAL FIXTURES @ $

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ SEP. PIT | SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SEPARATION FEES ACCT. 1200

ELECTRICAL FEES

OCCUPANCY @ ¢

SWITCHES, RECEPTACLES @

LIGHTING FIXTURES @

SERVICE @

NO. MOTORS @

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. 1300

MECH. FEES

HEATING M/BTU

A/C M/BTU

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS 10,030 238.50 2

TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER TOTAL ALL FEES (PAY THIS AMOUNT) $45.00

PERMIT NO. PC 95-22 DATE 11/29/95

NOTE: 11-24-1995-01-14937-01-76120-444-00

1801 E. AVION

TRACT # _____
LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____
APN _____

PC # C-96-78 VAR # _____ DAB/FILE # _____

BUILDING ADDRESS 1601 EAST AVION DRIVE
OWNER FEDERAL EXPRESS
MAILING ADDRESS P.O. BOX 727
CITY MEMPHIS, TN ZIP 38194 TEL (901)922-5752
CONTRACTOR LEE & STIRES
ADDRESS _____
CITY _____ ZIP _____ TEL _____
STATE LIC. & CLASSIF _____ CITY LIC NO _____
ARCH., ENGR., DESIGNER P&D CONSULTANTS
ADDRESS 1100 TOWN & COUNTRY, #300 TEL (714)835-4447
CITY ORANGE, CA ZIP 92868 STATE LIC NO _____
INTENDED PERMIT USE Addition to Existing Bldg 12 x 65
SQ FT SIZE Material NO. STORIES Found NO DW UNITS 100

OCC /TYPE CONST	SIZE (SQ FT)	VAL (SQ FT)	VALUATION
Industrial	780	4.50	3510.00
		TOTAL VALUATION	3510.00

BUILDING PERMIT FEES

PERMIT @	87.25	1000	
PLAN CHECK BLDG. DEPT.		1001	52 71
PARK & REC. FEE SFR		1003	
PARK & REC. FEE MFR		1004	
EARTHQUAKE FEE RES.		1005	
EARTHQUAKE FEE COMM.	.74	1006	
SEWER CAPITAL ASSESSMENT FEE		1007	
MISC. Micro	4.50		
		TOTAL	52 71

PLUMBING FEES

BATHTUBS / SHOWERS		URINALS	
WATER CLOSETS		INTERCEPTORS	
LAVATORIES / SINKS		DRIANS	
TOTAL FIXTURES @ $			
WATER HEATERS/POOL • SPA HEATER			
WATER ☑ GAS ☐ PIPING			405
PERMIT FEES @			2200
TOTAL PLUMBING FEES		ACCT. 1100	2605
HOUSE SEWER X @ 22	SEP. PIT	SEPTIC TANK	2200
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES		ACCT. 1200	2200

ELECTRICAL FEES

OCC GROUP	@	¢	
SWITCHES, RECEPTACLES	@		
LIGHTING FIXTURES	@		
SERVICE	@		
NO. MOTORS	@		
PERMIT FEES @			
TOTAL ELECTRICAL FEES		ACCT. 1300	

MECH. FEES

HEATING	M/BTU		
A/C	M/BTU		
PERMIT FEE @			
TOTAL MECHANICAL FEES		ACCT. 1400	

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. 1500	
SEWER ASSESSMENT FEES PAID	YES	NO
AVIGATION AGREEMENT REQUIRED	YES	NO

Plan Check Only

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $56.71

PERMIT NO. P.C. DATE 8/12/96

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ License No _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code. The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

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☐ I am exempt under Sec. _____ Business and Professions Code for this reason.

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☐ (This section need not be completed if the permit is for one hundred dollars ($100) or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

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☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit form that division

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

_____ _____
Signature of Applicant or Agent Date

Minimum Setback Distances **DEPARTMENT USE ONLY** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE _____

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

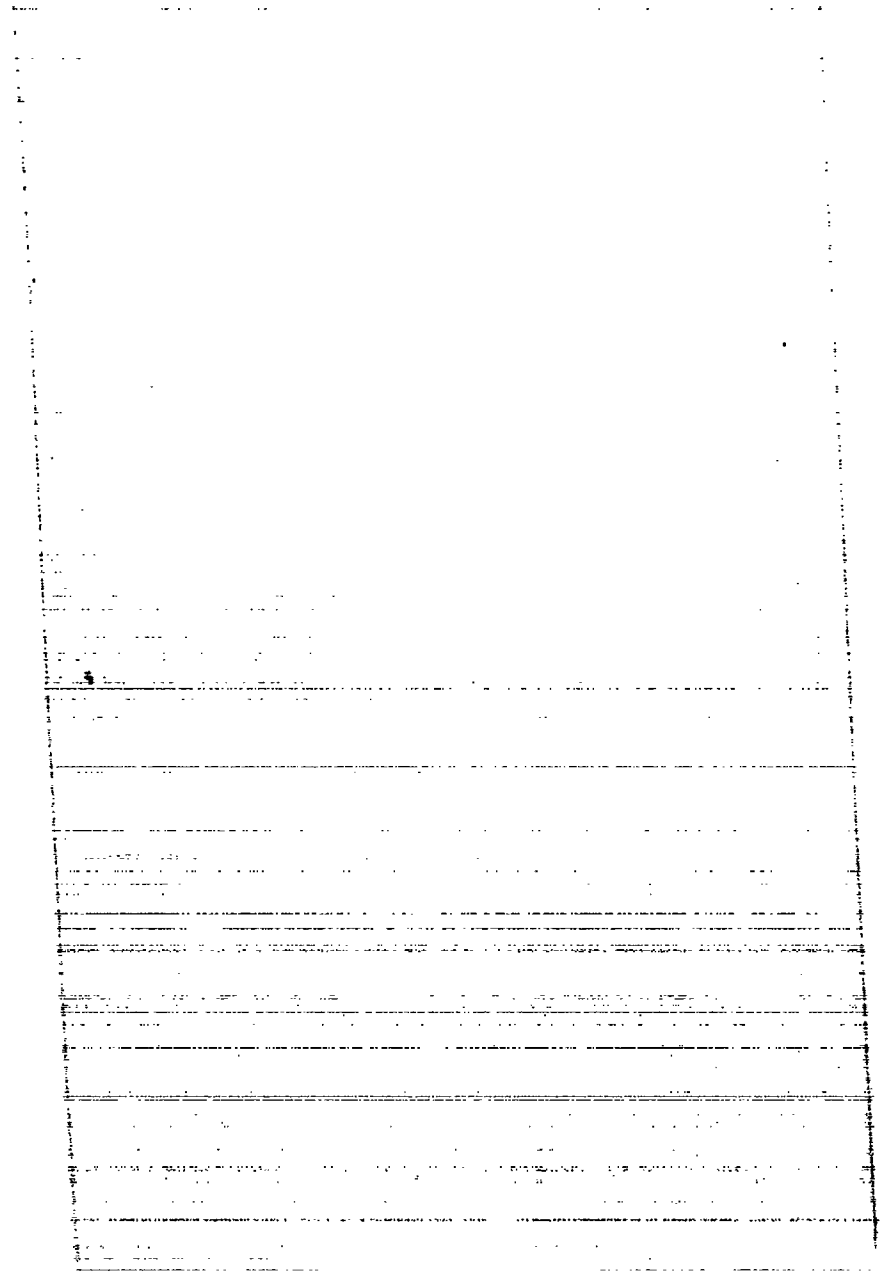
APPLICATION ONLY

BUILDING DEPARTMENT COPY



UPDATED 12/97

1801 E. AVION



TRACT # _____

LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO. _____

APN NA

PC# 11452 Shell

BUILDING ADDRESS 1801 E. AVION, ONTARIO

OWNER FEDERAL EXPRESS CORP.

MAILING ADDRESS P.O. BOX 727

CITY MEMPHIS TN ZIP 38194 TEL (901) 922-5752

CONTRACTOR _____

ADDRESS _____

ZIP _____ TEL _____

STATE LIC & CLASSIF _____ CITY LIC NO _____

ARCH., ENGR., DESIGNER PED CONSULTANTS

ADDRESS 1100 TOWN & COUNTRY, 300 TEL (714) 835-4447

CITY ORANGE CA ZIP 92668 STATE LIC. NO _____

INTENDED PERMIT USE: Pole Basing Tilt

SQ. FT. SIZE _____ NO STORIES _____ NO. DW UNITS _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect

License Class _____ License No _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

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☐ I am exempt under Sec. _____ Business and Professions Code for this reason _____

Date _____ Owner _____

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☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

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I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date _____ Applicant _____

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CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

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☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Subcontractor Security Services — 11/29/95

Signature of Applicant or Agent — Date

DEPARTMENT USE ONLY

Zone M2S

Minimum Setback Distances

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

BUILDING PERMIT FEES

OCC. TYPE CONST.	SIZE (SQ. FT.)	VALUATION	VALUATION
H Unl	4	SCC	3,000
		TOTAL VALUATION	3,000

PERMIT @	1000	
PLAN CHECK BLDG. DEPT.	1001	35.10
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
MISC.		
TOTAL		35.10

PLUMBING FEES

BATHTUBS	SHOWERS	URINALS	
WATER CLOSETS		INTERCEPTORS	
LAVATORIES	SINKS	DRAINS	
TOTAL FIXTURES	@ $		
WATER HEATERS/POOL	SPA HEATER		
WATER ☐ GAS ☐		PIPING	
PERMIT FEES @			
TOTAL PLUMBING FEES		ACCT. 1100	
HOUSE SEWER @		SEP. PIT	SEPTIC TANK
PERMIT FEES			
TOTAL HOUSE SEWER & SANITATION FEES		ACCT. 1200	

ELECTRICAL FEES

OCC. GROUP	@	¢
SWITCHES, RECEPTACLES	@	
LIGHTING FIXTURES	@	
SERVICE	@	
NO. MOTORS	@	
PERMIT FEES @		
TOTAL ELECTIRCAL FEES	ACCT. 1300	

MECH. FEES

HEATING	M/BTU	
A/C	M/BTU	
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. 1400	

GRADE FEES

CUBIC YARDS	
TOTAL GRADING FEES	ACCT. 1500
SEWER ASSESSMENT FEES PAID	YES NO
AVIGATION AGREEMENT REQUIRED	YES NO

PAYOR: ~~CONTR~~ OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $ 35.10

PERMIT NO PC only DATE 11/29/95

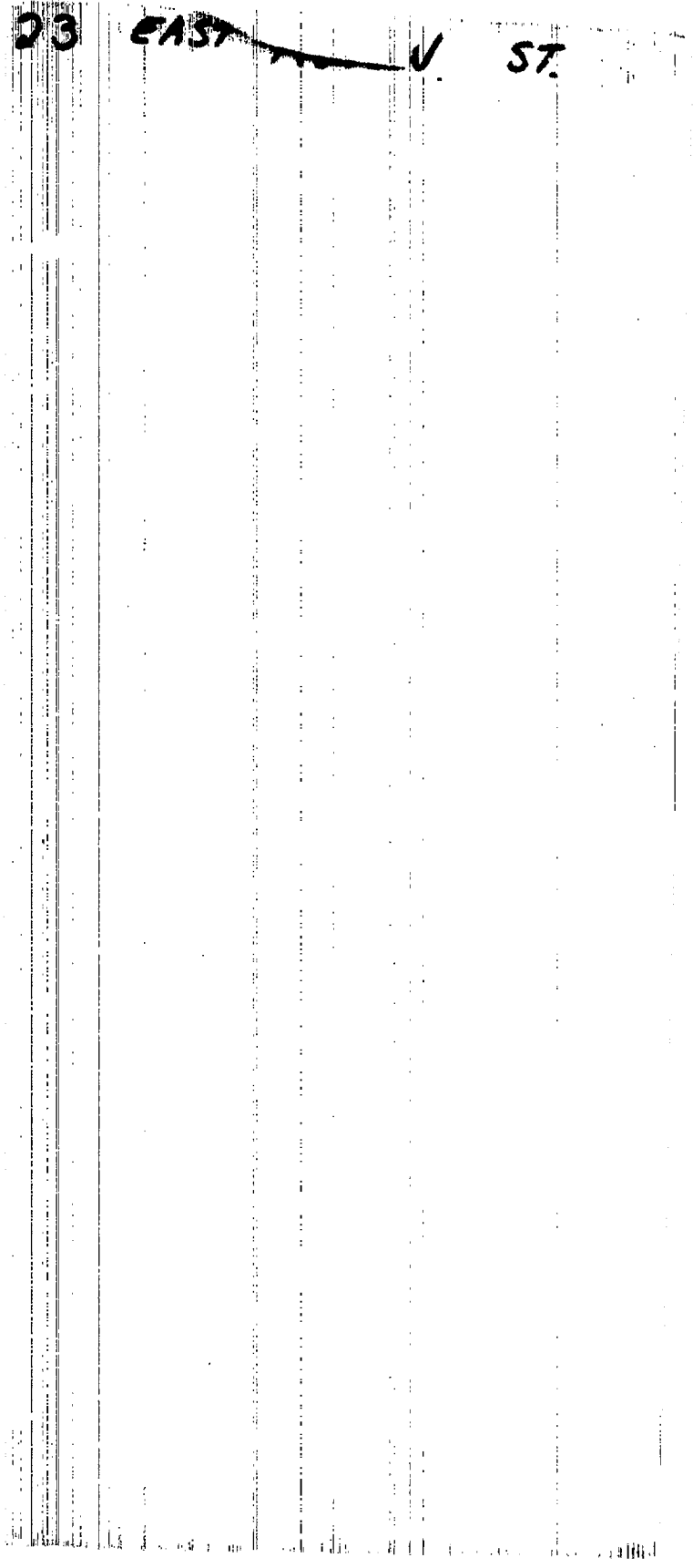
NOTE: _____

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY


23
EAST
V
ST.

TRACT # _____

LOT # _____

CITY OF ONTARIO DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

PC M-87-145 VAR # / DAB/FILE # /

BUILDING ADDRESS 1923 E Avion Street

OWNER Exxon Electron Aviation

MAILING ADDRESS Same

CITY Ontario ZIP 91761 TEL –

CONTRACTOR Lee Electric

ADDRESS 11907 Pont St

CITY Norwalk ZIP 90650 TEL 213 926-5711

CONT. LIC. & CLASS# 370946 C-10 CITY LIC NO 6472

ARCHITECT OR DESIGNER

ADDRESS TEL

CITY ZIP STATE LIC. NO

INTENDED PERMIT USE Electrical for Propane Fueling Station

SQ. FT. NO. STORIES NO. DW. UNITS

RESIDENTIAL ( ) COMMERCIAL ( ) INDUSTRIAL ( )

NEW ( ) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLITION ( )

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Lic. No. 370946 Class C-10 6/15/87

SIGNATURE DATE

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

( ) I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

( ) I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

( ) I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code)

Policy No. 2167 Company Liberty 5/6/87

X Copy is filed with the City ( ) Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and I hereby authorize representatives of this city to

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PERMIT @	01-32101	
PLAN CHECK @	01-36105	
PARK & REC. AQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-215-116	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
	TOTAL	

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ @ $ _____			
WATER HEATERS/POOL • SPA HEATER			
WATER ☐ GAS ☐ PIPING			
SOLAR COLLECTORS/TANKS			
PERMIT FEES @			
TOTAL PLUMBING FEES	ACCT. #01-32102		
HOUSE SEWER @	SEP. PIT	SEPTIC TANK	
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT. #01-32105		
SWITCHES, RECEPTACLES			
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
OCC. GROUP	SQ. FT. @	¢	
OCC. GROUP	SQ. FT. @	¢	
SERVICE AMPS	@		
NO. UNITS TEMP. POWER			
NO. MOTORS 1			5 00
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES @			10 00
TOTAL ELECTRICAL FEES	ACCT. #01-32103		15 00
HEATING M/BTU A/C M/BTU			
OTHER			
PERMIT FEE @			
TOTAL MECHANICAL FEES	ACCT. #01-32104		

GRADING FEES

CUBIC YARDS	CITY OF ONTARIO
TOTAL GRADING FEES	ACCT. #01-32
SEWER ASSESSMENT FEES PAID YES NO	
AVIGATION AGREEMENT REQUIRED YES NO	
TOTAL ALL FEES	

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS

TRACT # ____

LOT # ____

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

PC M-87-195 VAR # DAB/FILE #

JOB ADDRESS 1923 E. AVION ST, ONTARIO 91761

OWNER GENERAL ELECTRIC AVIATION SERVICE OPERATION

MAILING ADDRESS SAME

CITY ____ ZIP ____ TEL ____

CONTRACTOR OWNER-BUILDER

ADDRESS SAME

CITY ____ ZIP ____ TEL ____

ARCHITECT ____ CITY LIC NO ____

ENGINEER ____

ADDRESS ____ TEL ____

CITY ____ ZIP ____ STATE LIC NO ____

DESCRIPTION OF WORK PROPANE FUELING STATION

LOT ____ BLOCK ____ TRACT ____ NO DW UNITS ____

OCCUPANCY RESIDENTIAL ____ COMMERCIAL ____ INDUSTRIAL ✓

TYPE ____ ADDN ____ ALTER ____ REPAIR ____ DEMOLITION ____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

CONTRACTOR ____ DATE ____

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5 Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I am exempt under Sec ____ B & P C for this reason ____

DATE 10/23/87 OWNER DE Spencer Tray agt Ted Johnson Propane

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. ____ Company ____

( ) Copy will be filed with the City ( ) Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

WARNING: Failure to secure workers' compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars ($100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, interest, and attorney's fees.

APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name ____

Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant DE Spencer Tray agt Ted Johnson Propane Date 10/23/87

Mailing Address ____

City, State, Zip ____

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described. This permit shall become void unless work authorized by it is commenced within 180 days of its issuance.

APPLICATION ONLY

BUILDING PERMIT FEES

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	145750.00

PERMIT #	01-32101	92.50
PLAN CHECK #	01-36105	60.12
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	.91
SEWER CAPITAL ASSESSMENT FEE # $950 EA.	28-37210	
SEWER ASSESSMENT FEE # $75 EA.	28-37211	
TOTAL		153.53

PLUMBING FEES

BATHTUBS	DISHWASHER/DISPOSAL
SHOWERS	CLOTHES WASHERS
WATER CLOSETS	DRINK FOUNTAINS
LAVATORIES	URINALS
SINKS	INTERCEPTORS
	DRAINS

TOTAL FIXTURES ____ @ $ ____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT. #01-32102

HOUSE SEWER # | SEP PIT | SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT. #01-32103

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT. # @

OCC. GROUP SQ. FT. # @

SERVICE AMPS #

NO. UNITS TEMP POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT. #01-32103

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT. #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) 153.53

PERMIT NO. 87-6779 DATE 10/23/87

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR

REMARKS

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

CUP # VAR # SITE PLAN FILE #

BUILDING Ontario

ADDRESS Mission & Vineyard Airport

OWNER General Electric Co.

MAILING ADDRESS same

CITY Ontario ZIP TEL. 986-6731

CONTRACTOR Shook Building Systems

ADDRESS 130 W. Bastanchury

CITY Fullerton ZIP 92635 TEL. 879-5601

STATE LIC. & CLASS. 283001 CITY LIC. NO.

ARCH. ENGR. DESIGNER Geo. Taylor

ADDRESS TEL. 213 921-3714

CITY Santa Fe Springs ZIP STATE LIC. NO.

INTENDED PERMIT USE. Test Cell

SQ. FT. SIZE 9600 NO. STORIES NO. DW. UNITS

NEW ADD'N ALTER REPAIR DEMOLITION

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Edwin Ricketts 8.26.80
SIGNATURE DATE

OWNER—BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. B & P C. for this reason

Owner

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code.)

Policy No. Company

✓ To be filed with the city.

☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

IMPORTANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name

Lender's Address

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Edwin Ricketts Date 8.26.80

Mailing Address 5 Same

City, State, Zip

VALIDATION

When properly validated on this space, this form constitutes a permit to do the work described hereon. This permit will expire if work is not started within 120 days, or if work is suspended for more than 120 days.

BUILDING PERMIT FEES

OCC. GROUP	SIZE (SQ. FT.)	VALUATION
		152640
	TOTAL VALUATION	

ACCOUNT #

PERMIT #	01-3121	366 50
PLAN CHECK #	01-3607	
PARK & REC. AQUISITION FEE #	26-3016	
EARTHQUAKE FEE #	01-220.31	10 68
	TOTAL	377 18

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
WATER HEATERS			

TOTAL FIXTURES # $

WATER ☐ GAS ☐ PIPING

WATER SOFTENERS

PERMIT FEE #

TOTAL PLUMBING FEES ACCT # 01-3122

HOUSE SEWER #

PRIVATE SEWER SYSTEM

TOTAL HOUSE SEWER & SANITATION FEES ACCT. # 01-3125

ELECTRICAL FEES

OCC. GROUP SQ. FT. # ¢

OCC. GROUP SQ. FT. # ¢

SERVICE AMPS #

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL ELECTRIC

PERMIT FEE #

TOTAL ELECTRICAL FEES ACCT. # 01-3123

MECH. FEES

HEATING

SWIMMING POOL HTG. M/BTU

AIR COND.

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT. # 01-3124

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. # 01-3126

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED

TOTAL ALL FEES (PAY THIS AMOUNT) 377 18

PERMIT NO. DATE 8-25-80

MINIMUM SETBACK DISTANCES:

FRONT SETBACK FROM CENTER LINE

REAR SETBACK FROM REAR PROPERTY LINE

SIDE STREET SETBACK FROM CENTER LINE

SIDE SETBACK FROM PROPERTY LINE

APPLICATION ONLY BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS
[illegible]			
[illegible]			
[illegible] PLUMBING			
[illegible] ELECT			
[illegible] MECH			
[illegible]			
[illegible] GRADE			
OK TO POUR SLAB			
[illegible] PLUMBING			
[illegible] ELECTRIC			
[illegible] MECHANICAL			
[illegible] FRAMING			
[illegible] FRAMING			
[illegible] SHEATHING			
[illegible] PANELS			
[illegible] STEEL			
CONNECTIONS			
[illegible] CONSERVATION			
[illegible] TO COVER WALLS			
[illegible] COVERING			
[illegible]			
FIREPLACE THROAT			
[illegible] BOND BEAM			
FIREPLACE - TOP OUT			
[illegible] BOND BEAM			
[illegible] EXTERIOR			
[illegible] INTERIOR			
[illegible] NAIL			
SEWER			
GAS TEST			
POOL FENCE			
OK TO PLASTER POOL			
P TRAP			
FINAL PLUMBING			
FINAL ELECTRIC			
FINAL MECHANICAL			
FINAL BUILDING	5-21-81	RAM	
[illegible] CO. CALLED			
GAS CO. CALLED			

MISCELLANEOUS REQUIREMENTS

ENGINEERING			
TRASH BINS			
[illegible] REQ			
[illegible] PLAN			
VARIANCE			
C.U.P.			

SEWER DIAGRAM

[redacted]

1923 E. AVION

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2546

TRACT # _____ LOT # _____ PLAN NO. _____ APN 0113-344-04

PERMIT NO. _____ DATE APPLIED _____ BY _____ DATE ISSUED _____ BY _____

BUILDING ADDRESS 1923 E AVION (New Paint)

OWNER G.E. Aircraft

MAILING ADDRESS 1923 E Avion

CITY Ontario ZIP 91761 TEL 591-5204

CONTRACTOR Bryant Corp.

ADDRESS 16627 S Avalon

CITY Carson ZIP 90746 TEL 213 770-0155

STATE LIC. & CLASS 365357 C-39 11/30/92 CITY BUS. LIC. NO Applied for

ARCH. ENGR. DESIGNER _____

ADDRESS _____ TEL _____

CITY _____ ZIP _____ STATE LIC. NO _____

INTENDED USE Re Roof ICBO # 4690

SQ. FT. SIZE 5300 NO. STORIES _____ NO. DW. UNITS _____

OCC. - TYPE (1 and 2) Roof SIZE (SQ. FT.) 53 000 VAL. (SQ. FT.) 20 VALUATION 10,600 00

TOTAL VALUATION 10,600 00

PERMIT # (1000)	01-32101	126 00
PLAN CHECK BLDG. DEPT	01-36120	
PLAN CHECK FIRE DEPT	01-36106	
PARK & REC. FEE SFR	07-41903	
PARK & REC. FEE MFR	07-41904	
EARTHQUAKE FEE RES.	01-215-116	
EARTHQUAKE FEE COMM (1000)	01-215-118	2 23
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
MISC.		
TOTAL		128 23

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

X _____ 2-7-93 DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property or my employees with wages as their sole compensation will do the work and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B & P C for the reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. 2nd Company Self-Insur 2/10/93

I have a copy of it filed with the City. I Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If you make this Certificate of Exemption and you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code)

Lender's Name _____

Lender's address _____

I hereby affirm that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 2-2-93

Mailing Address 16627 S. Avalon

City, State, Zip Carson 90746

ELECTRICAL FEES

FIXTURES @		
WATER HEATERS/POOL • SPA HEATER		
WATER ☐ GAS ☐ PIPING		
SOLAR COLLECTORS/TANKS		
PERMIT FEES #		
TOTAL PLUMBING FEES	ACCT #01-32102	
HOUSE SEWER #	SEP. HT	SEPTIC TANK
PERMIT FEES #		
TOTAL HOUSE SEWER & SANITATION FEES	ACCT. #01-32105	
OCC. GROUP SQ. FT. @ ¢		
OCC. GROUP SQ. FT. @ ¢		
SERVICE AMPS @		
NO. UNITS TEMP. POWER		
PERMIT FEES @		
TOTAL ELECTRICAL FEES	ACCT. #01-32103	

MECHANICAL FEES

HEATING		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. #01-32104	

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. #01-32106	
SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		

TOTAL ALL FEES (PAY THIS AMOUNT) $ 128 23

PERMIT NO. 9413 DATE 2-2-93

D. Ailor-Allen

SEWER DIAGRAM

FINAL ELECTRIC

3-11-93

OTHER DEPARTMENT REQUIREMENTS

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST B STREET ONTARIO, CA 91764 TEL (714) 391-2546

PLAN NO.

APN 0c3-Bd-04

Contract

PERMIT # 1000 — 1446.00

PLAN CHECK FEE DEP

PLAN CHK FEE BAL DEP

PARK & REC FEE DEP

PARK & REC FEE BAL

EARTHQUAKE FEE RES

EARTHQUAKE FEE COMM 1000 — 2.64

SEWER CAPITAL ASSESSMENT FEE

SEWER ASSESSMENT FEE

MISC

TOTAL 1446.64

BUILDING PERMIT FEES

FIXTURES #

WATER HEATER/FURNACE • SPA HEATER

WATER PIPING

SOLAR COLLECTORS TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

SEWER # FEET PER SEPTIC TANK

PERMIT FEES #

TOTAL PLANNING FEES ACCT #01-32104

PLUMBING FEES

SQ FT #

SEWER AMPS

NO. UNITS TEMP POWER

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT #01-32104

ELECTRICAL FEES

HEATING

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

MECH. FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

GRADING FEES

SEWER ASSESSMENT FEES PAID YES NO

AVIATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 146.64

PERMIT NO 94181 DATE 2-8-94

NOTE Contract Attached / Per Letter Attached

02-03-1993/01-22708/01-215110 $146.64

APPLICATION ONLY

VALIDATION

Which property valuation is now stale. This fee constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days or if work is abandoned for more than 180 days.

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of chapter 9 (commencing with section 7000) of division 3 of the Business and Professions Code and my license is in full force and effect.

License Class C-39 License No. 394337

Contractor's State License Board

X [signature] Date 2-3-93

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds improvements thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. B & P. for this reason

Date Owner

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. 3072 Company Self Insured 2/10/93

I have filed with the city

CERTIFICATE OF EXEMPTION (Owner)

WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

WARNING: Failure to secure workers' compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars ($100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, interest, and attorney's fees.

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this permit.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name

Lender's Address

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant [signature] Date 2-3-93

Mailing Address 16637 S. Avalon

City, State, Zip Gardena CA 90247

DEPARTMENT USE ONLY

Plan Check Validation

By JL Date 02

Minimum Setback Distances

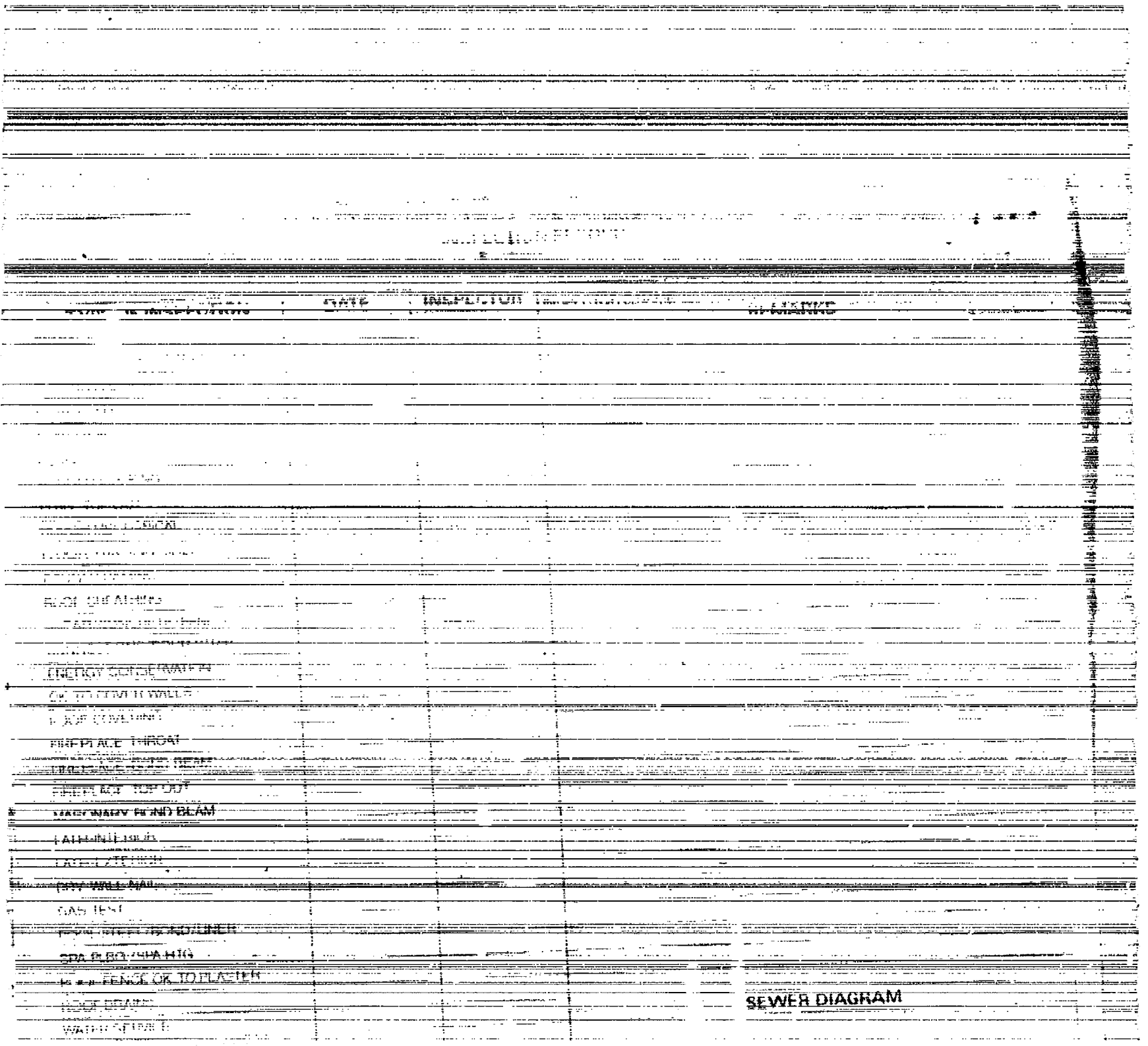
From Setback from Center Line H/W

Rear Setback from Rear Property Line

Side Street Setback from Center Line H/W

Side Setback from Property Line

Side Setback from Property Line


SEWER DIAGRAM

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2545

TRACT # _____ LOT # _____ PLAN NO. _____ APN CIB-344

PC # _____ MAP # _____ CAB/FILE # _____

BUILDING ADDRESS 1923 E AVION (Hawthorn)

OWNER G.E. Aircraft

MAILING ADDRESS 1923 E. AVION

CITY ONTARIO ZIP 91761 TEL 591-5204

CONTRACTOR BRYANT CORP.

ADDRESS 16627 S AVALON

CITY CARSON ZIP 90746 TEL 213 770-0155

STATE LIC # & CLASS 365357 C-39 11/30/92 CITY LIC NO Applied for

ARCH / ENGR / DESIGNER _____

ADDRESS _____ TEL _____

CITY _____ ZIP _____ STATE LIC NO _____

INTENDED PERMIT USE Re Roof TCB# 4650

SQ FT SIZE 5300 NO STORES _____ NO DW UNITS _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

X [signature] 2-2-93
CONTRACTOR DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B & P C for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. SELF Company SELF INSUR 2/10/93

I have and will maintain Workers' Compensation Insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My Workers' Compensation Insurance carrier and the policy number are as indicated on this application.

Carrier _____ Policy No. _____

Expiration Date _____

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 2-2-93

Mailing Address 16627 S AVALON

City, State, Zip CARSON 90746

OCC - TYPE (CONST)	SIZE (SQ FT)	VAL (SQ FT)	VALUATION
Roof	53,000.00		10,600.00

TOTAL VALUATION 10,600.00

PERMIT # (1000)	01 32101	126.00
PLAN CHECK BLDG DEPT	01-36120	
PLAN CHECK FIRE DEPT	01-36106	
PARK & REC. FEE SFR	07-31903	
PARK & REC. FEE MFR	07-31904	
EARTHQUAKE FEE RES	01-215-116	
EARTHQUAKE FEE COMM (1000)	01-215-118	2.23
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
MISC.		
TOTAL		128.23

PLUMBING FEES

FIXTURES @

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # SEP PIT SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105

ELECTRICAL FEES

OCC. GROUP SQ. FT. # ¢

OCC. GROUP SQ. FT. # ¢

SERVICE AMPS #

NO. UNITS TEMP. POWER

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT #01-32103

MECHANICAL FEES

HEATING

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) 128.23

PERMIT NO. 9417 DATE 2-2-93

D. Alo - All work

FIRE-RATED WALL NAIL

FIREPLACE-TOP CAP

FIREPLACE-HEARTH

FIREPLACE-FACE

FIREPLACE-FIREBOX

FIREPLACE-FLUE

FIREPLACE-ASH DOOR

FIREPLACE-DAMPER

FIREPLACE-MANTEL

FIREPLACE-FACE

FIREPLACE-HEARTH

FIREPLACE-FIREBOX

FIREPLACE-FLUE

FIREPLACE-ASH DOOR

FIREPLACE-DAMPER

FIREPLACE-MANTEL

FIRE-RATED WALL NAIL

FIRE-RATED WALL NAIL

FIRE-RATED WALL NAI

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL (714) 391-2546

LAND USE GATE

PLAN NO.

APN

LOT

TRACT #

BUILDING ADDRESS 1923 E Union St

OWNER General Electric

MAILING ADDRESS Same

CITY Ontario ZIP 9176X TEL

CONTRACTOR Shirk Building Systems

ADDRESS 2055 S Baker

CITY Ontario, Ca ZIP 9176 TEL 947-581

STATE LIC & CLASS 283001 B-2 BUS LIC NO 5-0051

ARCH / ENGR DESIGNER

ADDRESS TEL

CITY ZIP STATE LIC NO

INTENDED PERMIT USE Industrial Bldg Conversion

NO. OF SQ FT SIZE NO. OF STORIES NO. OF DW UNITS

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

X Ronald D. Bullhart 10-20-89

SIGNATURE DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Sec 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B & P C. for this reason _____

Date 10-20-89 Owner Ronald D. Bullhart

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 7681, Labor Code).

Policy No. WPP 2702 Company Superior 11-1-89

☐ Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Ronald D. Bullhart Date 10-20-89

Mailing Address _____

City, State, Zip _____

BUILDING PERMIT FEES	USE	TYPE CONST.	SQUARE FEET	VALUATION	VALUATION
	Ind. Bldg	II N-1HR	2970	$8,580.00	
				TOTAL VALUATION	$8,580.00
	PERMIT #			01-32101	545 00
	PLAN CHECK BLDG DEPT			01-36120	
	PLAN CHECK FIRE DEPT			01-36106	
	PARK & REC. FEE SFR			07-31903	
	PARK & REC. FEE MFR			07-31904	
	EARTHQUAKE FEE RES.			01-215-116	
	EARTHQUAKE FEE COMM			01-215-118	11 78
	SEWER CAPITAL ASSESSMENT FEE @ $950 EA.			28-37210	
	SEWER ASSESSMENT FEE @ $75 EA			28-37211	
	MISC				
				TOTAL	556 78

PLUMBING FEES	FIXTURES #		
	WATER HEATERS/POOL ● SPA HEATER		
	WATER ☐ GAS ☐	PIPING	
	SOLAR COLLECTORS/TANKS		
	PERMIT FEES #		
	TOTAL PLUMBING FEES	ACCT #01-32102	
	HOUSE SEWER #	SEP. PIT / SEPTIC TANK	
	PERMIT FEES #		
	TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105	
ELECTRICAL FEES	OCC. GROUP	SQ FT # ¢	
	OCC. GROUP	SQ FT # ¢	
	SERVICE AMPS	#	
	NO. UNITS	TEMP. POWER	
	PERMIT FEES #		
	TOTAL ELECTRICAL FEES	ACCT #01-32103	
MECH. FEES	HEATING		
	PERMIT FEE #		
	TOTAL MECHANICAL FEES	ACCT. #01-32104	
GRADING FEES	CUBIC YARDS		
	TOTAL GRADING FEES	ACCT #01-32106	
	SEWER ASSESSMENT FEES PAID YES NO		
	AVIGATION AGREEMENT REQUIRED YES NO		
	TOTAL ALL FEES (PAY THIS AMOUNT)		$556.78

PERMIT NO. 79706 DATE 10/18/89

NOTE School Fees Paid 10/06/89
Haz Mat (OK

DEPARTMENT USE ONLY

Plan Check Valuation _____

Zone _____

Minimum Distances

Front Setback from Center Line _____ R/W _____

Rear Setback from Rear Property Line _____

Side Street Setback from Center Line _____ R/W _____

Side Setback from Property Line _____

Side Setback from Property Line _____

VALIDATION

When properly validated on this space, this is to constitute a permit to do the work described herein. This permit will expire if work is not started within 180 days or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

11-16-89 B. Man

11-3-89 FRONT WALL & RETAINING WALL SOUTH SIDE B. Man
11-7-89 FOUNDATION NORTH SIDE OF B
11-8-89 CONCRETE SOUTH & FRONT WALLS
NORTH SIDE B. Man
11-16-89 SLAB B. Man
NOTE NO MORE INSPECTIONS UNTIL PLANS APPROVED FOR REST OF BLDG B. Man

12-14-89 B. Man 12-19-89
OFFICE FRAMING B. Man

12 15 89 B. Man

SEWER DIAGRAM

PERMIT ISSUED FOR
Foundation ONLY
PER SEC. 303 (a)
1985 U.B.C.
Acknowledged by

2-16-90 B. Man

OTHER DEPARTMENT REQUIREMENTS

FIRE

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL (714) 391-2546

PLAN NO

APN

ADDRESS 1923 E Union

General Electric

Same

Ont 91764

Shook Building Systems

2055 S. Baker

Ont. 91761 947587

28300 B 150654

Elect + Plumb

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

X SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.), I as owner of the property am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B & P C for this reason _____

Date 12589 Owner Lowell Guilhart

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance, or a copy certified by the director of Industrial Relations as provided for by Section 3800, Labor Code:

Policy No. 12722 Superior National Eff. Date 11-1-90 exp

I have and will maintain Workers' Compensation Insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My Workers' Compensation Insurance carrier and policy number are:

Carrier _____ Policy No. _____

I have complied with the requirements as to Workers' Compensation by securing a certificate of consent to self-insure from the Director of Industrial Relations. (Copy certified by the Director of Industrial Relations is required to be filed with the City.)

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code):

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Lowell Guilhart Date 12-5-89

Mailing Address _____

City, State, Zip _____

BUILDING PERMIT FEES

PERMIT # 79706	01-32101	
PLAN CHECK BLDG DEPT	01-36120	
PLAN CHECK FIRE DEPT	01-36106	
PARK & REC FEE SFR	07-31903	
PARK & REC FEE MFR	07-31904	
EARTHQUAKE FEE RES	01-215-116	
EARTHQUAKE FEE COMM	01-215-118	
SEWER CAPITAL ASSESSMENT FEE # $850 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
MISC		
TOTAL		

PLUMBING FEES

FIXTURES 1 # 4.00	4 00
WATER HEATERS/POOL • SPA HEATER	
WATER X GAS X PIPING	4 00
SOLAR COLLECTORS/TANKS	
PERMIT FEES #	10 00
TOTAL PLUMBING FEES ACCT #01-32102	18 00
HOUSE SEWER # SEP PIT SEPTIC TANK	
PERMIT FEES #	
TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105	

ELECTRICAL FEES

OCC GROUP SQ FT #	
OCC GROUP SQ FT #	
SERVICE AMPS #	
NO UNITS TEMP POWER	
1-½ hp motor 24 lights 30KVA Trans. 6 switches	15 00 10 00
PERMIT FEES #	10 00
TOTAL ELECTRICAL FEES ACCT #01-32103	35 00

MECH FEES

HEATING 2 exhaust fans	6 00
PERMIT FEE #	10 00
TOTAL MECHANICAL FEES ACCT. #01-32104	16 00

GRADING FEES

CUBIC YARDS	
TOTAL GRADING FEES ACCT #01-32106	

SEWER ASSESSMENT FEES PAID YES (NO) Refund.

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 69 00

PERMIT NO 80191 DATE 12-5-89 MD

DEPARTMENT USE ONLY

By _____ Zone _____ Plan Check Valuation _____ NOTE _____

Minimum Setback Distances

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street Setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

VALIDATION

When properly validated on this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME	REMARKS
				12-14-89 OFFICE FILE ok BLM

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2546

TRACT # ____ PLAN NO ____

LOT # ____ APN ____

P.C. # ____ VAL # ____ TAX FEE # ____

JOB ADDRESS 1923 E. Avion

OWNER General Electric

MAIL TO ADDRESS SAME

CITY ONTARIO ZIP 91761 TEL

CONTRACTOR JBE Electrical

ADDRESS 1188 N. Grove "F"

CITY Alhambra ZIP 92806 TEL 632-9818

STATE LIC. # A-B 364232 C-10 CITY LIC. NO

ARCH. ENGR. DESIGNER

ADDRESS TEL

CITY ZIP STATE LIC. NO.

INTENDED USE Supplemental Elect.

NO. OF STORIES NO. DW UNITS

SQ. FT. 2470

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

SIGNATURE James F. Bellheim DATE 12-6-89

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, the owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. FS0177 Company FAIRMONT INS. Co.

(Copy is filed with the City)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

WARNING TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Contractor James Bellheim Date 12-6-89

Mailing Address 1188 N. Grove F

City, State, Zip Alhambra CA 92806

BUILDING PERMIT FEES

PERMIT # 80191	01-32101	
PLAN CHECK BLDG. DEPT	01-36120	
PLAN CHECK FIRE DEPT	01-36106	
PARK & REC. FEE SFR	07-31903	
PARK & REC. FEE MFR	07-31904	
EARTHQUAKE FEE RES	01-215-116	
EARTHQUAKE FEE COMM.	01-215-118	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
MISC.		
	TOTAL	

PLUMBING FEES

FIXTURES #		
WATER HEATERS · POOL · SPA HEATER		
WATER ☐ GAS ☐ PIPING		
SOLAR COLLECTORS · TANKS		
PERMIT FEES #		
TOTAL PLUMBING FEES	ACCT #01-32102	
HOUSE SEWER #	SEP PIT / SEPTIC TANK	
PERMIT FEES #		
TOTAL HOUSE SEWER & SAN. TANK FEE	ACCT #01-32107	

ELECTRICAL FEES

OCC. GROUP	SQ. FT. #	¢
OCC. GROUP	SQ. FT. #	¢
SERVICE AMPS #		
NO. UNITS TEMP. POWER		15 00
1-150A SUB PANELS 2-3¼ HP Motors		4 00
1-100A SUB PANEL 19-Rec.		8 50
PERMIT FEES #		3 00
TOTAL ELECTRICAL FEES	ACCT #01-32103	30 50

MECH. FEES

HEATING		
PERMIT FEE #		
TOTAL MECHANICAL FEES	ACCT #01-32104	

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT #01-32106	

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES $ 30 50

(PAY THIS AMOUNT) $ 30 50

PERMIT NO 80202 DATE 12-6-89 JP

DEPARTMENT USE ONLY

By ____ Line ____ Plan Check Validation ____

NOTE: ____

Minimum Setback Distances

____ Front Setback from Center Line ____ R/W ____

____ Rear Setback from Rear Property Line

____ Side Street Setback from Center Line ____ R/W ____

____ Side Setback from Property Line

____ Side Setback from Property Line

APPLICATION ONLY

BUILDING DEPARTMENT COPY

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2546

PLAN NO ____

APN ____

LOT [redacted] BLK 318 TRACT #

JOB ADDRESS 1923 E AVION ST. ONTARIO 91761

OWNER GENERAL ELECTRIC Co.

MAILING ADDRESS SAME AS ABOVE

CITY ONTARIO CA. ZIP 91761

CONTRACTOR KILIAN FIRE SPRINKLER CORP.

ADDRESS 320 So. WALNUT ST.

CITY LA HABRA CA. ZIP 90631 TEL (714) 871-8283

DATE LIC. EXPIRES 2-40685 C-16 CITY LIC. NO. 030432

ARCHITECT ENGINEER DESIGNER KILIAN FIRE SPRINKLER

ADDRESS SAME AS ABOVE

CITY ____ ZIP ____ TEL ____ STATE LIC. NO. ____

INTENDED USE / PERMIT USE INSTALLATION OF AUTOMATIC FIRE SPRINKLERS

ZONE ____ NO STORIES ____ NO DW UNITS ____

SIZE ____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

X Stephen C Kilian 12-1-89

SIGNATURE DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.), I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

[ ] I am exempt under Sec. ____ B & P C. for this reason ____

Date ____ Owner ____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. WZP80341254 Company American Auto. 11/1/90

[ ] Copy is filed with the City [ ] Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. Code).

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Stephen C Kilian Date ____

Mailing Address ____

City, State, Zip ____

	TOTAL VALUATION	
		8950.
BUILDING PERMIT FEES		
PERMIT #	01-32101	108 00
PLAN CHECK BLDG DEPT	01-36120	
PLAN CHECK FIRE DEPT	01-36106	7020
PARK & REC FEE SFR	07-31903	
PARK & REC FEE MFR	07-31904	
EARTHQUAKE FEE RES	01-215-116	
EARTHQUAKE FEE COMM.	01-215-118	134
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
MISC		
	TOTAL	17154
PLUMBING FEES		
FIXTURES @		
WATER HEATERS/POOL • SPA HEATER		
WATER ☐ GAS ☐ PIPING		
SOLAR COLLECTORS/TANKS		
PERMIT FEES #		
TOTAL PLUMBING FEES	ACCT. #01-32102	
HOUSE SEWER #	SEP PIT / SEPTIC TANK	
PERMIT FEES #		
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105	
ELECTRICAL FEES		
OCC GROUP SQ FT # ¢		
OCC GROUP SQ FT # ¢		
SERVICE AMPS #		
NO UNITS TEMP POWER		
PERMIT FEES #		
TOTAL ELECTRICAL FEES	ACCT #01-32103	
MECH. FEES		
HEATING		
PERMIT FEE #		
TOTAL MECHANICAL FEES	ACCT. #01-32104	
GRADE FEES		
CUBIC YARDS		
TOTAL GRADING FEES	ACCT. #01-32106	
SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		
TOTAL ALL FEES (PAY THIS AMOUNT)		$179 54

PERMIT NO. 80143 DATE 12-1-89 (SD)

DEPARTMENT USE ONLY

Plan Check Valuation ____

NOTE: ____

Zone ____

Setback Distances

____ Front Setback from Center Line ____ R/W ____

____ Rear Setback from Rear Property Line ____

____ Side Street Setback from Center Line ____ R/W ____

____ Side Setback from Property Line

____ Side Setback from Property Line

VALIDATION

When property validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL (714) 391-5646

TRACT #

LOT #

PLAN NO

APN

M-89-178

JOB ADDRESS

OWNER

ADDRESS

CITY ZIP TEL

CONTRACTOR

ADDRESS

CITY ZIP TEL

STATE LIC. # & CLASS

CITY LIC. #

ARCH. ENGR. DESIGNER

ADDRESS TEL

CITY ZIP STATE LIC. NO.

INTENDED USE

SQ. FT. NO. STORIES NO. DW. UNITS

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code and my license is in full force and effect

X SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

WC 1985 734 896 U.S.F.G.

Policy No. Company

☐ Copy is filed with the City.

☒ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE 6/30/90

This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code):

Lender's Name

Lender's Address

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant William E. Hulsen Date 2-7-90

Mailing Address 10 W. Peninsula Ste. #210

City, State, Zip Denver Co 80237

DEPARTMENT USE ONLY

By Zone

Minimum Setback Distances

Front Setback from Center Line R/W

Rear Setback from Real Property Line

Side Street Setback from Center Line R/W

Side Setback from Property Line

Side Setback from Property Line

Plan Check Validation

NOTE

VALIDATION

When properly validated on this space, this form constitutes a permit to do the work described hereon. This permit will expire if work is not started within 180 days or if work is suspended for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES	TOTAL VALUATION		300,000.00
	PERMIT #	01-32101	1349 50
	PLAN CHECK BLDG. DEPT	01-36120	
	PLAN CHECK FIRE DEPT	01-36106	
	PARK & REC. FEE SFR	07-31903	
	PARK & REC. FEE MFR	07-31904	
	EARTHQUAKE FEE RES	01-215-116	
	EARTHQUAKE FEE COMM	01-215-118	450 00
	SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210	
	SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
	MISC.		
	TOTAL		1849 50
PLUMBING FEES	FIXTURES #		
	WATER HEATERS/POOL • SPA HEATER		
	WATER ☐ GAS ☐ PIPING		
	SOLAR COLLECTORS/TANKS		
	PERMIT FEES #		
	TOTAL PLUMBING FEES	ACCT #01-32102	
	HOUSE SEWER #	SEP. PIT / SEPTIC TANK	
	PERMIT FEES #		
	TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105	
ELECTRICAL FEES	OCC. GROUP 50 FT # ¢		
	OCC. GROUP 50 FT # ¢		
	SERVICE AMPS #		
	NO. UNITS TEMP. POWER		
	1 Suites		50
	1-3/4 hp 2-1/2 hp		600
	PERMIT FEES #		1000
	TOTAL ELECTRICAL FEES	ACCT #01-32103	1650
MECH. FEES	HEATING		
	PERMIT FEE #		
	TOTAL MECHANICAL FEES	ACCT #01-32104	
GRADING FEES	CUBIC YARDS		
	TOTAL GRADING FEES	ACCT #01-32106	
	SEWER ASSESSMENT FEES PAID YES NO		
	AVIGATION AGREEMENT REQUIRED YES NO		
	TOTAL ALL FEES (PAY THIS AMOUNT)		$ 1866 00

PERMIT NO 80933 DATE 2/2/90. ST

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS
	2-15-90	[illegible]	2-15 90 CAUSTIC TANK F [illegible] etc. B2 Mass
	3-7-90	B2	2-26 90 [illegible] 3-23 90 [illegible] 3-29 90 - T-23 [illegible] 3-7-90 - T-23 - [illegible] 3 [illegible] T-23 [illegible]
STEEL	2-23-90	B2	
PLASTIC	3-12-90	B2	
FIREPLACE TOP OUT			
FINAL	4-25-90	[illegible]	

OTHER DEPARTMENT REQUIREMENTS

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2546

TRACT # _____ LOT # _____ PLAN NO _____ APN _____

TR # _____ MAP # _____ LAB FILE # _____

OCC. TYPE (CONST.) _____ SQ. FT. _____ VAL. (SQ. FT.) _____ VALUATION _____

BUILDING ADDRESS 1923 E Guion

OWNER GENERAL ELETRIC

MAILING ADDRESS 1923 E AVIATION

CITY ONTARIO ZIP _____ TEL _____

CONTRACTOR ALBERT W DAVIES INC

ADDRESS 9737 HELMS AVE 989 3714

CITY RANCHO CUCAMONGA ZIP 91701 TEL 987-7826

STATE LIC. & CLASS 370846 A CITY LIC. NO. Under 50

ARCH. ENGR.

DESIGNER ENGINEERING SCIENCE INC

ADDRESS _____ TEL (818) 440-6000

CITY PASADENA ZIP _____ STATE LIC. NO. _____

INTENDED PERMIT USE WASTEWATER LINE (Sewer)

SQ. FT. _____ NO. _____ NO. COM. _____

SIZE _____ STORIES _____ UNITS _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

X _____ SIGNATURE 9/11/90 DATE

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I as owner of the property or my employees with wages as their sole compensation will do the work and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. WC82-025340 Company C.N.H.

Copy to be filed with the City

☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE 3/31/90 SC

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

X _____ Signature of Applicant 9-11-90 Date

Mailing Address 9737 Helms Ave EC

City, State, Zip Rancho Cucamonga 91730

BUILDING PERMIT FEES

TOTAL VALUATION		
PERMIT #	01-32101	
PLAN CHECK BLDG. DEPT (Sewer)	01-36128 (Loop)	27 72
PLAN CHECK FIRE DEPT	01-36106	
PARK & REC. FEE SFR	07-31903	
PARK & REC. FEE MFR	07-31904	
EARTHQUAKE FEE RES.	01-215-116	
EARTHQUAKE FEE COMM.	01-215-118	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
MISC.		
TOTAL		27 72
FIXTURES 1 Mop Sink		4 —
WATER HEATERS/POOL • SPA HEATER		
WATER ☐ GAS ☐ PIPING		
SOLAR COLLECTORS/TANKS		
PERMIT FEES @		
TOTAL PLUMBING FEES (1160)	ACCT. #01-32102	4 —
HOUSE SEWER @ 2160 —	SEP. PIT	SEPTIC TANK
PERMIT FEES @ 22K 2,160		1386 —
TOTAL HOUSE SEWER & SANITATION FEES (1200)	ACCT. #01-32105	1386
OCC. GROUP SQ. FT. @		
OCC. GROUP SQ. FT. @		
SERVICE AMPS @		
NO. UNITS TEMP. POWER		
PERMIT FEES @		
TOTAL ELECTRICAL FEES	ACCT. #01-32103	
HEATING		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. #01-32104	
CUBIC YARDS		
TOTAL GRADING FEES	ACCT. #01-32106	
SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		
TOTAL ALL FEES (PAY THIS AMOUNT)		$1417 72

PERMIT NO. 83746 DATE 9/11/90 SC

DEPARTMENT USE ONLY Plan Check _____ NOTES _____

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTION	REMARKS

FILMED ON

02/20/98

1923 E. AVION

PERMIT # 97-1605 | PARCEL # | CA | APN

BUILDING ADDRESS: 1923 E. Avion Street
OWNER: GE Eagle Services
MAILING ADDRESS: 1923 E. Avion Street
CITY: Ontario | ZIP | TEL: 391-5211
CONTRACTOR: Stilwell Construction Inc.
ADDRESS: 1897 Calle Circle
CITY: Riverside | ZIP: 92506 | TEL: 780-3434
LIC CLASS: B | LIC #: 615234 | CITY LIC NO
ARCH ENGR
DESIGNER: VanDam Engineering
ADDRESS
CITY: Claremont | ZIP | TEL: 931-5020 | STATE LIC NO
INTENDED PERMIT USE

SQ FT SIZE	NO STORIES	NO DW UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: B | License No: 615234 | Expiration Date: 5-1-98 | Contractor Signature: T.E. Stilwell

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)

☐ I am exempt under Sec. _____ Business and Professions Code for this reason

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☒ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: State Fund | Expiration Date: 5-1-98

Policy Number: 1242450-97

☐ (This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date _____ Applicant _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation is four or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above, unless such person has a permit from that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent: T.E. Stilwell | Date: 10/27/97

BUILDING PERMIT FEES

OCC/TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
Remodel	720.	35.70	25,704.
		TOTAL VALUATION	25,704

PERMIT @	1000	
PLAN CHECK BLDG. DEPT	1001	233 19
PARK & REC. FEE SFP	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES	1005	
EARTHQUAKE FEE COMM	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	300
MISC		
TOTAL		233 19

PLUMBING FEES

BATHTUBS	SHOWERS	URINALS	
WATER CLOSETS		INTERCEPTORS	
LAVATORIES	SINKS	DRAINS	

TOTAL FIXTURES _____ @ $ _____

WATER HEATERS POOL SPA HEATER

WATER ☐ GAS ☐ HEATING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ | SEP. PIT | SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP	@	$
SWITCHES/RECEPTACLES	@	
LIGHTING FIXTURES	@	
SERVICE	@	
NO. MOTORS	@	

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. 1300

MECH. FEES

HEATING	MBTU
A/C	MBTU

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID	YES	NO
AVIGATION AGREEMENT REQUIRED	YES	NO

PAYOR: CONTR/OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $236.19

OCT 27 1997

PERMIT NO. B-Comb | DATE 10/27/97

10/27/97

DEPARTMENT USE ONLY

Minimum Setback Distances

Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE _____

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

LIC. # _____ 909 [illegible] ONTARIO, CA 91764 TEL. (909) 391-6546 APN _____

M-97-2663 DWP/PLE #

BUILDING ADDRESS 1923 E. AVION ST AVON TOWNHOUSE

OWNER GE ENGINE SERVICES

MAILING ADDRESS 1923 E. AVION ST

CITY ONTARIO ZIP 91761 TEL (909) 391-53

CONTRACTOR A.J. DIANI CONSTRUCTION CO

ADDRESS P.O. BOX 6636

CITY SANTA MARIA ZIP 93454 TEL (805) 925-9533

CITY LIC NO

STATE LIC NO 178450 CLASS A&B

ARCH ENGR

DESIGNER PARSONS ENGINEERING SCIENCE

ADDRESS 100 W. WALNUT STREET TEL (626) 440 6024

CITY PASADENA ZIP 91124

STATE LIC NO

INTENDED PERMIT USE MODIFICATIONS TO EXISTING OIL/WATER SEPARATOR SYSTEM

SQ FT SIZE N/A NO STORIES N/A NO DW UNITS N/A

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ License No _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code), or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)

☐ I am exempt under Sec. _____ Business and Professions Code for this reason

_____

Date _____ Owner _____

WORKERS COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☐ This section need not be completed if the permit is for one hundred dollars ($100) or less.

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date _____ Applicant _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, shoring, scaffolding, falsework, or demolition or dismantling thereof will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as listed above, unless such person has a permit from that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11/5/97

DEPARTMENT USE ONLY

Minimum Setback Distances

Front Setback from Center Line _____ Zone _____ R/W _____

Rear Setback from Rear Property Line _____

Side Street Setback from Center Line _____ R/W _____

Side Setback from Property Line _____

Side Setback from Property Line _____

NOTE _____

VALIDATION

When properly validated in the space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

OCC/TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	30,000

PERMIT @	1030	
PLAN CHECK BLDG. DEPT.	1001	256 59
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES	1005	
EARTHQUAKE FEE COMM	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	3 00
MISC		
TOTAL		259 59

PLUMBING FEES

BATHTUBS	SHOWERS	URINALS	
WATER CLOSETS		INTERCEPTORS	
LAVATORIES	SINKS	DRAINS	

TOTAL FIXTURES _____ @ $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT 1200

HOUSE SEWER SEP. PIT SEPTIC TANK

PERMIT FEES

TOTAL INDUSTRIAL SEWER & SANITATION FEES ACCT 1200

ELECTRICAL FEES

OCC GROUP	@
SWITCHES RECEPTACLES	@
LIGHTING FIXTURES	@
SERVICE	@
NO. MOTORS	@
PERMIT FEES @	
TOTAL ELECTRICAL FEES	ACCT 1300

MECH. FEES

HEATING M/BTU	
A/C M/BTU	
PERMIT FEE @	
TOTAL MECHANICAL FEES	ACCT 1400

GRADE FEES

CUBIC YARDS	
TOTAL GRADING FEES	ACCT 1500

SEWER ASSESSMENT FEES PAID	YES	NO
AVIGATION AGREEMENT REQUIRED	YES	NO

Plan Check only

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $259.59

PERMIT NO _____ DATE 11/5/97

LOT # _____ 900 EAST "B" 1 MBBT

TR # _____ PAR # _____ BK/MPLE # _____

BUILDING ADDRESS 1923 E. AVION, ONTARIO, CA

OWNER GE AIRCRAFT ENGINES

MAILING ADDRESS _____

CITY _____ ZIP _____ TEL _____

CONTRACTOR _____

ADDRESS _____

CITY _____ ZIP _____ TEL _____

STATE LIC _____ CITY LIC. NO _____

CLASSIF _____

ARCH. ENGR. DESIGNER VAN DAM ENGINEERING

ADDRESS 10844 N. 19th STREET, SUITE D PHONE 931-5010

CITY YUCAIPA, CA ZIP 92399 PHONE LIC. NO RE-036047

INTENDED USE Electrical for Changes

SQ FT _____ NO. STORIES _____ NO. DW UNITS _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class _____ License No _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)

☐ I am exempt under Sec. _____, Business and Professions Code for this reason

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☐ (This section need not be completed if the permit is for one hundred dollars ($100) or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date _____ Applicant _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth into which a person is required to descend will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or demolishment thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above, unless such person has a permit from that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the city to enter the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 12/12/97

DEPARTMENT USE ONLY

Minimum Setback Distances

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

Zone _____

NOTE _____

VALIDATION

When properly validated in the space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONL

BUILDING DEPARTMENT COP

BUILDING PERMIT FEES

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PERMIT @	1000	
PLAN CHECK BLDG. DEPT	1001	42 00
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES	1005	
EARTHQUAKE FEE COMM	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING 4.50	1670	3 00
MISC		
TOTAL		45 00

PLUMBING FEES

BATHTUBS	SHOWERS	URINALS	
WATER CLOSETS		INTERCEPTORS	
LAVATORIES	SINKS	DRAINS	
TOTAL FIXTURES		@ $	
WATER HEATERS/POOL • SPA HEATER			
WATER ☐ GAS ☐			
PERMIT FEES @			
TOTAL PLUMBING FEES			ACCT 1100
HOUSE SEWER @		DEP PIT SEPTIC TANK	
PERMIT FEES			
TOTAL HOUSE SEWER & SANITATION FEES			ACCT 1200

Check pay

ELECTRICAL FEES

OCC. GROUP		@	¢
SWITCHES/RECEPTACLES	2	1.62 @	19 30
LIGHTING FIXTURES	78	@	
SERVICE	200 Amp	@	27 25
NO. MOTORS		@	
PERMIT FEES @			22 00
TOTAL ELECTRICAL FEES			ACCT 1300

MECH. FEES

HEATING	M/BTU	
A/C	M/BTU	
PERMIT FEE @		
TOTAL MECHANICAL FEES		ACCT 1400

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES		ACCT 1500
SEWER ASSESSMENT FEES PAID	YES	NO
AVIGATION AGREEMENT REQUIRED	YES	NO

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $ 45.00

PERMIT NO _____ DATE 12/12/97

LOT # _____ BLK _____ SUB _____

TR # 1147-118 PARCEL # _____

BUILDING ADDRESS: 1963 E AVION ST.

OWNER: GENERAL ELECTRIC

MAILING ADDRESS: 1963 E AVION ST.

CITY: ONTARIO ZIP 91761 TEL _____

CONTRACTOR _____

ADDRESS _____

CITY _____ ZIP _____ TEL _____

STATE LIC # _____ CLASS # _____ CITY LIC NO _____

ARCH. ENGR. DESIGNER: VAN DAM ENGINEERING

ADDRESS: 1744 W. 11th ST TEL _____

CITY: UPLAND ZIP 91786 STATE LIC NO _____

INTENDED PERMIT USE: Remove Doors/Enclose Hangar

SQ FT SIZE _____ NO STORIES _____ NO DW UNITS _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ License No _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code), or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with contractor(s) licensed pursuant to the Contractors License Law.)

I am exempt under Sec. _____ Business and Professions Code for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☐ This section need not be completed if the permit is for one hundred dollars ($100) or less. I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date _____ Applicant _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth (into which a person is required to descend) will be made in connection with work authorized by this permit and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof will be more than 36 feet high. As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety as noted above unless such person has a permit from that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 10/7/97

DEPARTMENT USE ONLY

Minimum Setback Distances — Zone _____

___ ___ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Sid. Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

___ ___ Side Setback from Property Line

NOTE _____

VALIDATION

When properly validated in the space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days or if work is abandoned for more than 180 days.

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	$45,000.00

BUILDING PERMIT FEES

PERMIT @	1000	
PLAN CHECK BLDG. DEPT.	1001	944.34
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES	1005	
EARTHQUAKE FEE COMM	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	3.00
MISC		
TOTAL		947.34

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS
WATER CLOSETS			INTERCEPTORS
LAVATORIES	SINKS		DRAINS

TOTAL FIXTURES _____ @$ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT 1100

HOUSE SEWER @ SEP PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT 1200

ELECTRICAL FEES

OCC. GROUP @

SWITCHES RECEPTACLES @

LIGHTING FIXTURES @

SERVICE @

NO. MOTORS @

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT 1300

MECH. FEES

HEATING M/BTU

A/C M/BTU

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT 1400

GRADE FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT 1500

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $947.34

PERMIT NO PC DATE 10/7/97

APPLICATION ONL

7132 Avion St

CITY OF ONTARIO — BUILDING DIVISION
303 EAST "B" STREET, ONTARIO, CALIFORNIA 91764 TEL. (714) 986-1151

TRACT # —
LOT # —
PC's C-8659 VAR # — DRB/PRE # N/A
BUILDING ADDRESS 950 E. AVION ST
OWNER DEPT. OF AIRPORTS
MAILING ADDRESS Same
CITY Ontario ZIP 91762 TEL.
CONTRACTOR OWNER / Builder
ADDRESS
CITY ZIP TEL.
STATE LIC. & CLASSIF. CITY LIC. NO.
ARCH. ENGR. DESIGNER Richard O. Parry
ADDRESS 220 S. Indian Hill TEL.
CITY Claremont ZIP 91711 STATE LIC. NO. 14342
INTENDED PERMIT USE STORAGE Building Move-on
SQ. FT. SIZE 7600 # NO. STORIES 1 NO. DW. UNITS
RESIDENTIAL ☐ NEW ☐ ADD ☐ ALTER ☐ REPAIR ☐ COMMERCIAL ☒ INDUSTRIAL ☐ DEMOLITION ☐ Maint. Bldg. Location

LICENSED CONTRACTOR'S DECLARATION
I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the ... and Professions Code, and my license is in full force and effect.
SIGNATURE DATE

OWNER – BUILDER DECLARATION
I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or count which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)
☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Profession Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)
☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improve thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)
☐ I am exempt under Sec. ____ B & P C. for this reason ____
Date 1/24/18 Owner Norman Kanemoto

WORKER'S COMPENSATION DECLARATION
I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code)
Policy No. ____ Company ____
☐ Copy is filed with the City. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE
(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.
NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY
I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code):
Lender's Name ____
Lender's Address ____
I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
U-N	7600	18.70	142,120.00

TOTAL VALUATION		142,120.00
PERMIT @	01-32101	330.50
PLAN CHECK @	01-36105	357.30
PARK & REC. AQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-215-116	9.94
SEWER CAPITAL ASSESSMENT FEE @ $650 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
TOTAL		

BATHTUBS	DISHWASHER/DISPOSAL
SHOWERS	CLOTHES WASHERS
WATER CLOSETS	DRINK FOUNTAINS
LAVATORIES	URINALS
SINKS	INTERCEPTORS
	DRAINS

TOTAL FIXTURES ____ @ $ ____
WATER HEATERS/POOL • SPA HEATER
WATER ☐ GAS ☐ PIPING
SOLAR COLLECTORS/TANKS
PERMIT FEES @
TOTAL PLUMBING FEES ACCT #01-32102
HOUSE SEWER @ SEP. PIT SEPTIC TANK
PERMIT FEES @
TOTAL HOUSE SEWER & SANITATION FEES ACCT. #01-32105
SWITCHES, RECEPTACLES
LIGHTING FIXTURES
APPLIANCE OUTLETS
OCC. GROUP SQ. FT. @ ¢
OCC. GROUP SQ. FT. @ ¢
SERVICE AMPS @
NO. UNITS TEMP. POWER
NO. MOTORS
SWIMMING POOL/SPA ELECTRIC
PERMIT FEES @
TOTAL ELECTRICAL FEES ACCT. #01-32103
HEATING M/BTU A/C M/BTU
OTHER
PERMIT FEE @
TOTAL MECHANICAL FEES ACCT. #01-32104

GRADING FEES
CUBIC YARDS
TOTAL GRADING FEES ACCT. #01-32106
SEWER ASSESSMENT FEES PAID YES NO
AVIGATION AGREEMENT REQUIRED YES NO
TOTAL ALL FEES

Paid on

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL	5/2/87	CJ
U. GRND PLUMBING		
U. GRND ELECT.		
U. GRND MECH		
POOL STEEL /BOND/LINER		
SPA PLBG./SPA HTG.		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG. TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING	2-1-88	BM
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING		
TRASH BINS		
D.A.B. REQ.		

C.O. ISSUED: DATE

TEMP. C.O. ISSUED: DATE

CONDITIONS:

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

1-26-87 - Granted 180 day extension on permit # 90692 per Ken Gilman

SEWER DIAGRAM

TRACT # :

LOT # :

CITY OF ONTARIO DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET, ONTARIO, CALIF. 91764 TEL. (714) 986-1151

0113

PC # — MAP # — OAB/FILE # —

BUILDING ADDRESS: 2132 AVION ST

OWNER: ONTARIO AIRPORT

MAILING ADDRESS: 2132 AVION ST

CITY: ONTARIO, CA | ZIP: 91761 | TEL:

CONTRACTOR: UNITED ORANGE COUNTY NEON

ADDRESS: 13801 WEST ST

CITY: GARDEN GROVE | ZIP: 92643 | TEL: 714 554-8862

STATE LIC & CLASS#: 404328 C-45 | CITY LIC NO: 228241

ARCH. ENGR. DESIGNER: THOMAS KOHLT

ADDRESS: 18145 CARL LN | TEL: (714) 777-1246

CITY: YORBA LINDA | ZIP: 92686 | STATE LIC NO: 25630

INTENDED PERMIT USE: INSTALL 8' X 6' POLE SIGN

OVERALL HEIGHT IS 12'

SIZE: 48 SQF | NO. STORIES | NO. DW UNITS

RESIDENTIAL ☐ COMMERCIAL ☐ INDUSTRIAL ☐

NEW ☒ ADD ☐ ALTER ☐ REPAIR ☐ DEMOLITION ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Ed Ehlhoff — JULY 27-88

Contractor — DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance, or a certificate of exemption, as provided for by Section 3800, Labor Code.

Policy No. 045 26 21 Company STATE FUND

☒ Copy is filed with the City. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant: Ed Ehlhoff — Date: 7-27-88

Mailing Address: 13801 WEST ST

City, State, Zip: GARDEN GROVE CA 92643

OCC./TYPE CONST.	SIZE (SQ FT)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	3,400

BUILDING PERMIT FEES

PERMIT @	01-32101	35 00
PLAN CHECK @	01-36105	25 03
PARK & REC. ACQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-215-116	00
SEWER CAPITAL ASSESSMENT FEE @ $950 EA	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
TOTAL		60 03

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ @ $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES @

TOTAL PLUMBING FEES — ACCT #01-32102

HOUSE SEWER @ | SEP PIT | SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES — ACCT #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP — SQ. FT. @ ¢

OCC. GROUP — SQ. FT. @ ¢

SERVICE — AMPS @

NO. UNITS — TEMP POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES @

TOTAL ELECTRICAL FEES — ACCT #01-32103

MECH. FEES

HEATING — M/BTU — A/C — M/BTU

OTHER

PERMIT FEE @

TOTAL MECHANICAL FEES — ACCT #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES — ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 60 03

PERMIT NO. 030864 DATE 7-27-88

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
[illegible]		
[illegible] STEEL	8-29-87	KE Blaylock
[illegible]		
[illegible]		
[illegible]		
[illegible] BOND BEAM		
[illegible]		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
FLUE TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING	2-1-88	B. Mon
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO CALLED		
GAS CO CALLED		
OTHER DEPARTMENT REQUIREMENTS		
ENGINEERING		
TRASH BINS		
D.A.B. REQ.		
SITE PLAN		
VARIANCE		
C.U.P.		

C.O. ISSUED DATE

TEMP C.O. ISSUED DATE

CONDITIONS

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

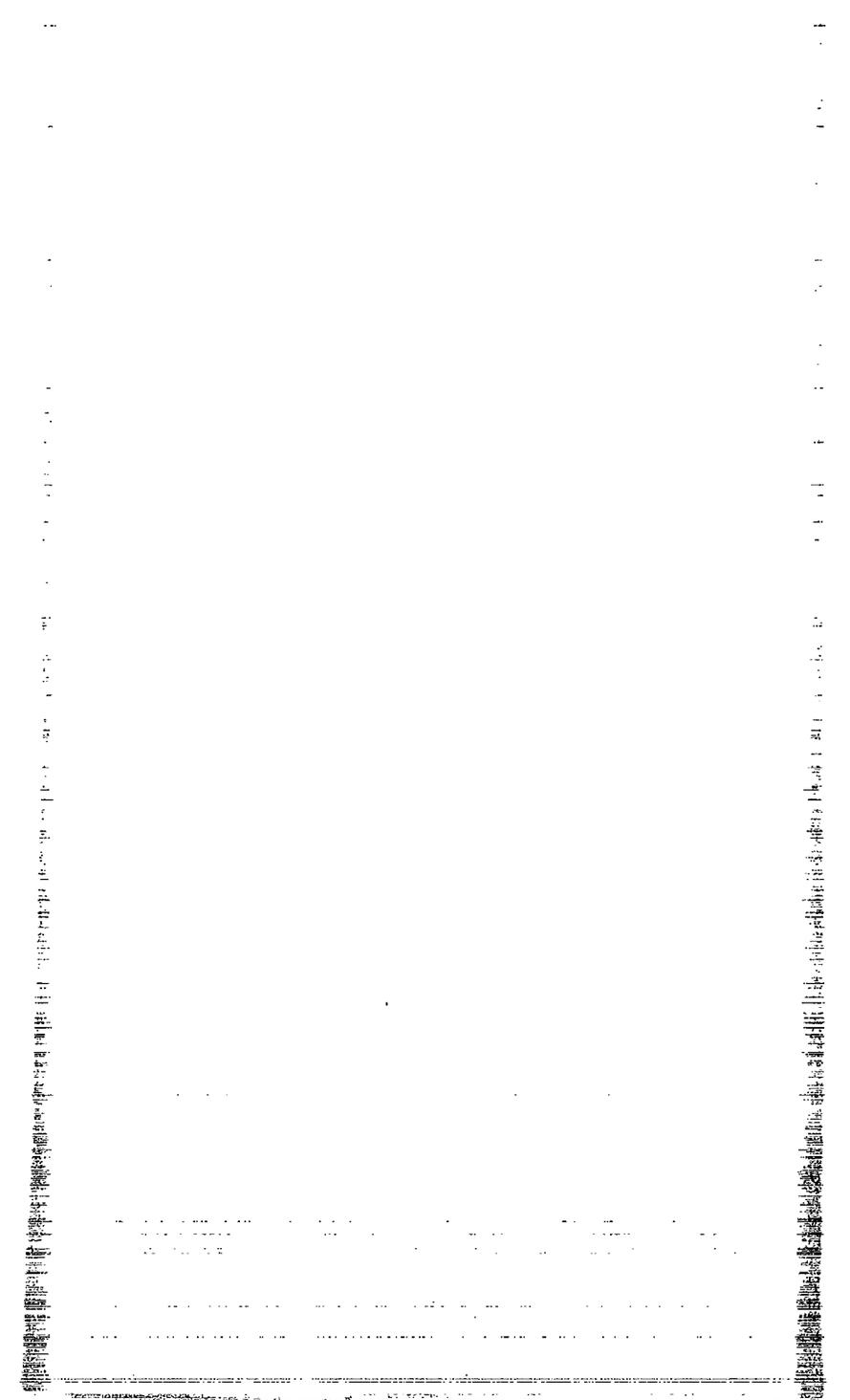
SEWER DIAGRAM



MicroFilming Services
160 C Vander St P O Box 2106
CORONA, CALIFORNIA 91720

(714) 735 8733

2132 AVION



CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL (714) 391-2546

PLAN NO _____

APN _____

7/P 10-154

JOB ADDRESS # _____

MAIN LINE

ADDRESS 2132 E. AVION ST

CITY OF L.A. DEPT. OF AIRPORTS

#1 WORLD WAY [redacted]

LOS ANGELES | ZIP 90045 | TEL 213 646 5700

PETROLEUM CONTRACTORS INC.

ADDRESS 2030 W. 17TH ST

LONG BEACH | ZIP 90813 | TEL 213 432 7996

LIC. NO. & CLASS 293742 | CITY LIC. NO. 17816L

ARCH. ENGR. DESIGNER D.O.A.

ADDRESS SAME AS ABOVE | TEL _____

CITY _____ | ZIP _____ | STATE LIC. NO. _____

INTENDED USE U.G. 40# Fuel System (Jet A)

PERMIT FOR Fuel System

SIZE _____ | NO. STORIES _____ | NO. UNITS _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

X [signature] DATE 10/22/90

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.), or as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

I am exempt under Sec. _____ B & P C. for the reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. 0705129-90 Company STATE FUND

X Copy is filed with the City. Certified copy is hereby furnished. 7/1/91

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name N/A

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 10/22/90

Mailing Address _____

City, State, Zip _____

DEPARTMENT USE ONLY

Zone _____ Plan Check Validation _____

Minimum Setback Distances

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street Setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE _____

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES			
	OCC. TYPE (GROUP)	SIZE (SQ. FT.)	VALUATION 65,000
	PERMIT # 12CC	01-32101	482 —
	PLAN CHECK BLDG DEPT 1021	01-36120	313 36
	PLAN CHECK FIRE DEPT	01-36106	
	PARK & REC. FEE SFR	07-31903	
	PARK & REC. FEE MFR	07-31904	
	EARTHQUAKE FEE RES	01-215-118	
	EARTHQUAKE FEE COMM 1026	01-215-118	9 25
	SEWER CAPITAL ASSESSMENT FEE @ $950 EA	28-37210	
	SEWER ASSESSMENT FEE @ $75 EA	28-37211	
	MISC.		
		TOTAL	805 05
PLUMBING FEES	FIXTURES @		
	WATER HEATERS/POOL ● SPA HEATER		
	WATER ☐ GAS ☐ PIPING		
	SOLAR COLLECTORS/TANKS		
	PERMIT FEES @		
	TOTAL PLUMBING FEES	ACCT #01-32102	
	HOUSE SEWER @	SEP. PIT / SEPTIC TANK	
	PERMIT FEES @		
	TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105	
ELECTRICAL FEES	OCC. GROUP	SQ. FT. @	¢
	OCC. GROUP	SQ. FT. @	¢
	SERVICE AMPS @		
	NO. UNITS TEMP. POWER		
	PERMIT FEES @		
	TOTAL ELECTRICAL FEES	ACCT #01-32103	
MECH. FEES	HEATING		
	PERMIT FEE @		
	TOTAL MECHANICAL FEES	ACCT #01-32104	
GRADING FEES	CUBIC YARDS		
	TOTAL GRADING FEES	ACCT #01-32106	
	SEWER ASSESSMENT FEES PAID YES NO		
	AVIGATION AGREEMENT REQUIRED YES NO		
	TOTAL ALL FEES (PAY THIS AMOUNT)		$ 805 05

PERMIT NO. 84359 DATE 10/22/90 ST

0-27-1-215-118-805.05

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS
FINAL GRADING	5-15-91	Bmw	
FINAL PLUMBING			
FINAL ELECTRIC			
FINAL MECHANICAL			
FINAL BUILDING			
FINAL ROOFING			
FINAL SOLAR			
CONCRETE CALLED			
GAS C.O. CALLED			

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
FIRE	
PLANNING	
PUBLIC WORKS	
C.O. ISSUED	

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL (714) 391-2546

PLAN NO _____

APN _____

PERMIT # _____ VAR # _____ GAS FEE # _____

JOB ADDRESS: 2132 E. AVION

DEPT OF AIRPORTS

MAILING ADDRESS: 2132 E. AVION

CITY: ONTARIO ZIP: TEL:

CONTRACTOR: FIRE BELL ELEC INC

ADDRESS: 14338 BELL FLOWER BLVD

CITY: BELLFLOWER ZIP: 90706 TEL: 213 867-2317

STATE LIC # & CLASS: 395005 - C-10 CITY LIC #: 130826

ARCHITECT OR ENGINEER

ADDRESS: TEL:

CITY: ZIP: STATE LIC # CITY LIC #

PROPOSED USE: Electrical for fuel Tanks

USE ZONE: NEW CONSTR.: NO. OF DWG SHEETS:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

X _____ SIGNATURE 3-11-91 DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7044 5 Business and Professions Codes: Any city or county which requires a permit to construct alter improve demolish or repair any structure prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom and the basis for the alleged exemption Any violation of Section 7031 5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500)

I as owner of the property or my employees with wages as their sole compensation will do the work and the structure is not intended or offered for sale (Sec 7044 Business and Professions Code The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees provided that such improvements are not intended or offered for sale If however the building or improvement is sold within one year of completion the owner builder will have the burden of proving that he did not build or improve for the purpose of sale

I as owner of the property am exclusively contracting with licensed contractors to construct the project (Sec 7044 Business and Professions Code The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law

I am exempt under Sec _____ B & P C for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec 3800 Labor Code)

Policy No. 931722 Company STATE FUND

Copy is filed with the City Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less)

I certify that in the performance of the work for which this permit is issued I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California

NOTICE TO APPLICANT If after making this Certificate of Exemption you should become subject to the Workers Compensation provisions of the Labor Code you must forthwith comply with such provisions or this permit shall be deemed revoked

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec 3097 Civil Code)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes

Signature of Applicant _____ Date 3/11/91

Mailing Address _____

City, State, Zip _____

BUILDING PERMIT FEES	SQ. FT. TYPE (USE)	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
			TOTAL VALUATION	
PERMIT # 84957			01-32101	
PLAN CHECK BLDG DEPT			01-36120	
PLAN CHECK FIRE DEPT			01-36106	
PARK & REC FEE SFR			07-31903	
PARK & REC FEE MFR			07-31904	
EARTHQUAKE FEE RES			01-215-116	
EARTHQUAKE FEE COMM			01-215-118	
SEWER CAPITAL ASSESSMENT FEE # $850 EA			28-37210	
SEWER ASSESSMENT FEE # $75 EA			28-37211	
MISC				
			TOTAL	
PLUMBING FEES	FIXTURES #			
	WATER HEATERS/POOL • SPA HEATER			
	WATER ☐ GAS ☐ PIPING			
	SOLAR COLLECTORS/TANKS			
	PERMIT FEES #			
	TOTAL PLUMBING FEES		ACCT #01-32102	
	HOUSE SEWER #		SEP PIT / SEPTIC TANK	
	PERMIT FEES #			
	TOTAL HOUSE SEWER & SANITATION FEES		ACCT #01-32105	
ELECTRICAL FEES	OCC. GROUP	SQ. FT.	#	¢
	OCC. GROUP	SQ. FT.	#	¢
	SERVICE	AMPS	#	
	NO. UNITS	TEMP. POWER		
	3 sw			2 25
	1 Monitor			9 00
	PERMIT FEES #			15 00
	TOTAL ELECTRICAL FEES 1500		ACCT #01-32103	00 25
MECH. FEES	HEATING			
	PERMIT FEE #			
	TOTAL MECHANICAL FEES		ACCT #01-32104	
GRADING FEES	CUBIC YARDS			
	TOTAL GRADING FEES		ACCT #01-32106	
	SEWER ASSESSMENT FEES PAID YES NO			
	AVIGATION AGREEMENT REQUIRED YES NO			
			TOTAL ALL FEES (PAY THIS AMOUNT)	$ 00 25

PERMIT NO 855794 DATE 3/11/91

DEPARTMENT USE ONLY

By _____ Zone _____ Plan Check Valuation _____

Minimum Setback Distances

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street Setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE 03-11-1991/01-01375/01-32103/4201

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days or if work is abandoned for more than 180 days

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS
	3-13-91		
ROUGH MECHANICAL			
POOL PERIMETER/BARRIER			
POOL DRAIN			
WATER SERVICE			
SEWER/SEPTIC CONNECTION			
FINAL PLUMBING			
FINAL ELECTRIC	5-15-91		
FINAL MECHANICAL			
FINAL BUILDING			
FINAL POOL/SPA			
FINAL SOLAR			
EDISON CO. CALLED			
GAS CO. CALLED			

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
FIRE	
PLANNING	
POLICE	
PUBLIC SERVICE	
C.O. ISSUED	

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2546

TRACT # ____ LOT # ____ JOB # ____ PAR. PET. # ____

PLAN NO ____ APN ____

JOB ADDRESS: 2132 Orion Street

OWNER: City of L.A. Dept. of Airports

MAILING ADDRESS: 2132 avion Street

CITY: Ontario ZIP: 91761 TEL: 983828?

CONTRACTOR: Owen Electric

ADDRESS: 8889 archibald ave.

CITY: R. Cuca. ZIP: 91730 TEL: 9182778?

STATE LIC. & CLASS: C10 468212 BUS. LIC. NO: OK 08402

ARCH. ENGR. DESIGNER: Per Ramona

ADDRESS: ____ CITY: ____ ZIP: ____ STATE LIC. NO: ____

DESCRIPTION OF WORK: Elect. for Maintenance Bldg. (metal)

NO. STORIES: ____ NO. DW UNITS: ____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

X Tim Owen 2-4-91
SIGNATURE DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's Licensing Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

( ) as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

( ) as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

( ) I am exempt under Sec. ____ B & P C for this reason: ____

Date ____ Owner ____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3700, Labor Code).

Policy No. 236463375 Company: Cigna Comp.

X Copy is filed with the City. ( ) Certified copy is hereby furnished. 1/1/91 ST

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name: ____

Lender's Address: ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

(X) Signature of Applicant: Tim Owen Date: 2-4-91

Mailing Address: ____

City, State, Zip: ____

BUILDING PERMIT FEES

		TOTAL VALUATION
PERMIT # 85231	01-32101	
PLAN CHECK BLDG DEPT	01-36120	
PLAN CHECK FIRE DEPT	01-36106	
PARK & REC FEE SER	07-31903	
PARK & REC FEE MER	07-31904	
EARTHQUAKE FEE RES	01-215-116	
EARTHQUAKE FEE COMM	01-215-118	
SEWER CAPITAL ASSESSMENT FEE # $900 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
MISC		
	TOTAL	

PLUMBING FEES

FIXTURES #		
WATER HEATERS/POOL ● SPA HEATER		
WATER ( ) GAS ( ) PIPING		
SOLAR COLLECTORS / TANKS		
PERMIT FEES #		
TOTAL PLUMBING FEES	ACCT #01-32102	
HOUSE SEWER #	SEP PIT / SEPTIC TANK	
PERMIT FEES #		
TOTAL HOUSE SEWER & SANITATION FEES	ACCT # 01-32103	

ELECTRICAL FEES

OCC. GROUP SQ FT #		
OCC. GROUP SQ FT #		
SERVICE 100 AMPS Subpanels		22 —
NO. UNITS TEMP. POWER		
Low Voltage/Intercom Wiring		22 20
PERMIT FEES #		
TOTAL ELECTRICAL FEES 1320	ACCT #01-32103	44 20

MECH. FEES

HEATING		
PERMIT FEE #		
TOTAL MECHANICAL FEES	ACCT #01-32104	

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT #01-32106	

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 44 20

PERMIT NO 85231 DATE 2/4/91 ST

DEPARTMENT USE ONLY

By ____ Date ____ Plan Check Valuation ____

Minimum Setback Distances

Front Setback from Center Line ____ R/W ____

Rear Setback from Rear Property Line

Side Street Setback from Center Line ____ R/W ____

Side Setback from Property Line

Side Setback from Property Line

NOTE ____

APPLICATION ONLY

VALIDATION

When properly validated on this face, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days or if work is abandoned for more than 180 days.

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME / INITIAL — REMARKS
SETBACKS			
FOOTINGS/FORMS/STEEL/UFER			
U/GRND PLUMBING			
U/GRND ELECT			
SLAB GRADE			
ROUGH ELECTRIC	4-4-91	[illegible]	
ROUGH PLUMBING			
PLBG TOP OUT			
ROUGH MECHANICAL			
FLOOR/FRAMING/SHEATHING			
ROUGH FRAMING			
ROOF SHEATHING			
SHEAR/CONCRETE/PANELS			
CONNECTIONS/POUR STRIP			
ENERGY CONSERVATION			
OK TO COVER WALLS			
ROOF COVERING			
FIREPLACE THROAT			
FIREPLACE-BOND BEAM			
FIREPLACE-TOP OUT			
MASONARY BOND BEAM			
LATH/INTERIOR			
LATH/EXTERIOR			
DRY WALL NAIL			
GAS TEST			
POOL STEEL/BOND/LINER			
SPA PLBG/SPA HTG			
POOL FENCE OK TO PLASTER			
ROOF DRAINS			
WATER SERVICE			
SEWER/DISPOSAL/LEACH LINE FINAL			
COMPACTION REPORT			
ROUGH GRADING			
FINAL GRADING			
FINAL PLUMBING			
FINAL ELECTRIC	4-4-91	[illegible]	
FINAL MECHANICAL			
FINAL BUILDING			
FINAL POOL/SPA			
FINAL SOLAR			
EDISON CO. CALLED			
GAS CO. CALLED			

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING

FIRE

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2546

PLAN NO. _____

APN _____

TRACT # N.-90-26

LOT # _____

PAD FILE # _____

BUILDING ADDRESS 2132 AVION

OWNER City of Los Angeles - DOA

ADDRESS SAME

CITY _____ ZIP _____ TEL _____

CONTRACTOR M.R. Bracey Const Co

ADDRESS 646 W. California St

CITY Ontario ZIP 91762 TEL 983-8611

STATE LIC & CLASS# B-1 245216 CITY LIC NO 004326

ARCH. ENGR. DESIGNER Richard O. Bracey

ADDRESS [redacted] TEL _____

CITY Claremont ZIP _____ STATE LIC NO 14342

INTENDED PERMIT USE Warehouse - Metal Bldg

SQ FT SIZE 4809 NO STORIES 1 NO DW UNITS _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

X _____ 10-5-90 DATE

SIGNATURE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, any such building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec _____ B & P C for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec 3800, Labor Code).

Policy No. 0358124 Company Extra Casualty

☐ Copy is filed with the City ☒ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE 1/1/91 ST

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 10-5-90

Mailing Address 646 W. California St

City, State, Zip Ontario, CA 91762

OCC./TYPE CONST	SIZE (SQ FT)	VAL. (SQ FT)	VALUATION
[redacted]	[redacted]	[redacted]	
		TOTAL VALUATION	$ 49,775

PERMIT # 1000	01-32101	414	50
PLAN CHECK BLDG DEPT 1001	01-36120	269	42
PLAN CHECK FIRE DEPT	01-36106		
PARK & REC FEE SFR	07-31903		
PARK & REC FEE MFR	07-31904		
EARTHQUAKE FEE RES.	01-215-116		
EARTHQUAKE FEE COMM. 10000	01-215-118	7	47
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210		
SEWER ASSESSMENT FEE @ $75 EA	28-37211		
MISC.			
	TOTAL	[redacted]	

PLUMBING FEES

FIXTURES @			
WATER HEATERS/POOL • SPA HEATER			
WATER ☐ GAS ☐ PIPING			
SOLAR COLLECTORS/TANKS			
PERMIT FEES @			
TOTAL PLUMBING FEES	ACCT. #01-32102		
HOUSE SEWER @	SEP PIT / SEPTIC TANK		
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT. #01-32105		

ELECTRICAL FEES

OCC. GROUP	SQ. FT.	@	¢
OCC. GROUP	SQ. FT.	@	¢
SERVICE	AMPS	@	
NO. UNITS	TEMP. POWER		
PERMIT FEES @			
TOTAL ELECTRICAL FEES	ACCT. #01-32103		

MECH. FEES

HEATING			
PERMIT FEE @			
TOTAL MECHANICAL FEES	ACCT. #01-32104		

GRADING FEES

CUBIC YARDS			
TOTAL GRADING FEES	ACCT. #01-32108	[redacted]	
SEWER ASSESSMENT FEES PAID YES NO			
AVIGATION AGREEMENT REQUIRED YES NO			
TOTAL ALL FEES (PAY THIS AMOUNT)		$ 691	39

PERMIT NO. 8-1540 DATE 10/5/90 SO

DEPARTMENT USE ONLY

Plan Check Validation _____ NOTE: 01-12318 100% 01-21518 10% 1997 12

Zone _____

Minimum Setback Distances

Front Setback from Center Line _____ R/W _____

Rear Setback from Rear Property Line _____

Side Street Setback from Center Line _____ R/W _____

VALIDATION

When properly validated in this space, this form constitutes a permit to do

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS
SETBACKS	11-14-90		
FOOTING/T.B.M./STEEL TIES			
U.GRND PLUMBING			
U.GRND ELECT			
SLAB/GRADE	11-14-90		
ROUGH ELECTRIC			
ROUGH PLUMBING			
BLDG TOP OUT			
ROUGH MECHANICAL			
FLOOR FRAMING/SHEATHING			
ROUGH FRAMING	4-4-91		
ROOF SHEATHING			
SHEAR CONCRETE PANELS			
CONNECTIONS/POUR STRIP			
ENERGY CONSERVATION			
GR TO COVER WALLS			
ROOF COVERING			
FIREPLACE-TYPICAL			
FIREPLACE-BOND BEAM			
FIREPLACE-TOP OUT			
MASONARY BOND BEAM			
LATH-INTERIOR			
LATH-EXTERIOR			
DRY WALL NAIL			
GAS TEST			
ROOF TILE BONE COAT			
GAS/ELEC. TAPING			
POOL FENCE OK TO PLASTER			METAL BLDG
ROOF DRAINS			
WATER SERVICE			SEWER DIAGRAM
SEWER/CESSPOOL/LEACH LINE FINAL			
SANITATION REPORT			
ROUGH GRADING			
FINAL GRADING			
FINAL PLUMBING			
FINAL ELECTRIC			
FINAL MECHANICAL			
FINAL BUILDING	9-4-91		
FINAL POOL/SPA			
FINAL SOLAR			
LOT LINES CALLED			
WATER CUT CALLED			

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
FIRE	
PLANNING	
POLICE	
PUBLIC SERVICE	
CO ISSUED	

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2546

TRACT # _____ PLAN NO _____

LOT # _____ APN 0113

PC # _____ VAR # _____ DAB/FILE # _____

BUILDING ADDRESS O.D. -- Lochman's Auto Transmission Garage
Boyd Ave. Dr.

OWNER Lochman

MAILING ADDRESS P.O. Box 7228

CITY Burbank CA ZIP 91510-7229 TEL 818 972-1578

CONTRACTOR RVan-Murphy Inc.

ADDRESS 211 Granite ST Suite E.

CITY Corona ZIP 91719 TEL 909-279-6210

STATE LIC & CLASSIF 516337 A,B, C10, C61-D4, Haz. CITY BUS NO 327832

ARCH. ENGR. DESIGNER RMI

ADDRESS 211 Granite ST. Suite E. TEL 909-279-6210

CITY Corona CA ZIP 91719 STATE LIC NO 327832

INTENDED PERMIT USE SUB Panel For Tenant Improvement

SQ FT SIZE | NO STORIES | NO OF UNITS

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

X _____ 12-14-92
SIGNATURE DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5 Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☐ I as owner of the property or my employees with wages as their sole compensation will do the work, and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044 Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec _____ B & P C for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 1861, Labor Code).

Carrier Hartford 8/31/93

Policy No. 90

☒ Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant _____ Date 12-14-92

Mailing Address _____

City, State, Zip _____

DEPARTMENT USE ONLY

By _____ Zone _____ Plan Check Valuation _____

Minimum Setback Distances

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street Setback from Center Line _____ R/W _____

_____ Side Setback from _____ erty Line

_____ Side Setback from Property Line

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

OCC. GROUP	TYPE CONST	SIZE (SQ FT)	VALUATION FACTOR	VALUATION
			TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT #	01-32101	
PLAN CHECK BLDG DEPT	01-36120	
PLAN CHECK FIRE DEPT	01-36106	
PARK & REC FEE SFR	07-31903	
PARK & REC FEE MFR	07-31904	
EARTHQUAKE FEE RES.	01-215-116	
EARTHQUAKE FEE COMM	01-215-118	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA	28-37210	
SEWER ASSESSMENT FEE @ $75 EA	28-37211	
MISC.		
TOTAL		

PLUMBING FEES

FIXTURES @			
WATER HEATERS/POOL ● SPA HEATER			
WATER ☐ ● GAS ☐ PIPING			
SOLAR COLLECTORS/TANKS			
PERMIT FEES @			
TOTAL PLUMBING FEES	ACCT #01 32102		
HOUSE SEWER @	SEP PIT	SEPTIC TANK	
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105		

ELECTRICAL FEES

OCC. GROUP	SQ FT @	C	
OCC. GROUP	SQ FT @	¢	
SERVICE 1 AMPS Panel @			11 00
NO UNITS TEMP POWER			
PERMIT FEES @			15 00
TOTAL ELECTRICAL FEES	ACCT #01-32103		26 00

MECH. FEES

HEATING		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT #01-32104	

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. #01-32106	
SEWER ASSESSMENT FEES PAID	YES NO	
AVIGATION AGREEMENT REQUIRED	YES NO	

TOTAL ALL FEES (PAY THIS AMOUNT) $ 26 00

PERMIT NO. 29685 DATE 12/14/92

NOTE _____

APPLICATION ONLY

BUILDING DEPARTMENT COPY

(CONDUIT) 12-15-92 [illegible]

3-22-93 [illegible] 3/1793 UNABLE TO LOCATE LIFE MESSAGE AT TERMINAL

SEWER DIAGRAM

3-22-93 [illegible]

FINAL MECHANICAL

FINAL BUILDING

FINAL POOL/SPA

FINAL SOLAR

POISON CO CALLED

GAS CO CALLED

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING

FIRE

PLANNING

2132 E. AVION

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

308 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO _____ APN _____

JOB ADDRESS 2132 E Avion
BUILDING ADDRESS AIR NATIONAL GUARD HANGER —
OWNER LA CITY DEPT OF AIRPORTS
MAILING ADDRESS 2132 E. AVION
ONTARIO 988-2730
OWNER/BUILDER
ADDRESS
CITY ZIP PHONE
STATE LIC. CONTRACTOR
ARCHITECT NA
ADDRESS
CITY ZIP PHONE
DESCRIPTION OF PROPOSED CONSTRUCTION SERV GAS TO GUARD HANGER
Direct Gas meter
BLDG. SQ. FT. NO. STORIES NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ License No. _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds improvements thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 1/19/96 Owner Dan Bollman

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☐ This section need not be completed if the permit is for one hundred dollars ($100) or less.

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date _____ Applicant _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to the issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth into which a person is required to descend will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit from that division.

Division of Industrial Safety Permit Number _____

BUILDING PERMIT FEES

		VALUATION
PERMIT #		
PLAN CHECK BLDG. DEPT	1001	
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES	1005	
EARTHQUAKE FEE COMM	1006	
SEWER CAPITAL ASSESSMENT FEE		
MISC		
	TOTAL	

PLUMBING FEES

BATHTUBS	SHOWERS	URINALS	
WATER CLOSETS		INTERCEPTORS	
LAVATORIES	SINKS	DRAINS	
TOTAL FIXTURES	@ $		
WATER HEATER/FIXT.	GAS/WATER		
WATER ☐	GAS ☑	PIPING	3 00
PERMIT FEES @			22 00
TOTAL PLUMBING FEES		ACCT 1100	55 00
HOUSE SEWER @		SEP. DT.	SEPTIC TANK
PERMIT FEES @			
TOTAL HOUSE SEWER/SEPTIC		ACCT	

ELECTRICAL FEES

OCC. GROUP	@	
SWITCHES/RECEPTACLES	@	
LIGHTING FIXTURES	@	
SERVICE	@	
NO. MOTORS	@	
PERMIT FEES @		
TOTAL ELECTRICAL FEES	ACCT 1200	

MECH. FEES

HEATING	M-BTU	
A.C.	M-BTU	
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT 1400	

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT 1500	

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER **TOTAL ALL FEES** $ 55.00

(PAY THIS AMOUNT)

PERMIT NO. 104922 DATE 1/19/96

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Dan Bollman 1/19/96

Signature of Applicant or Agent Date

Minimum Setback Distances — **DEPARTMENT USE ONLY** — Zone _____ NOTE

From Setback from Center Line _____ R/W _____

Paid on PO #63032 R

INSPECTION RECORD

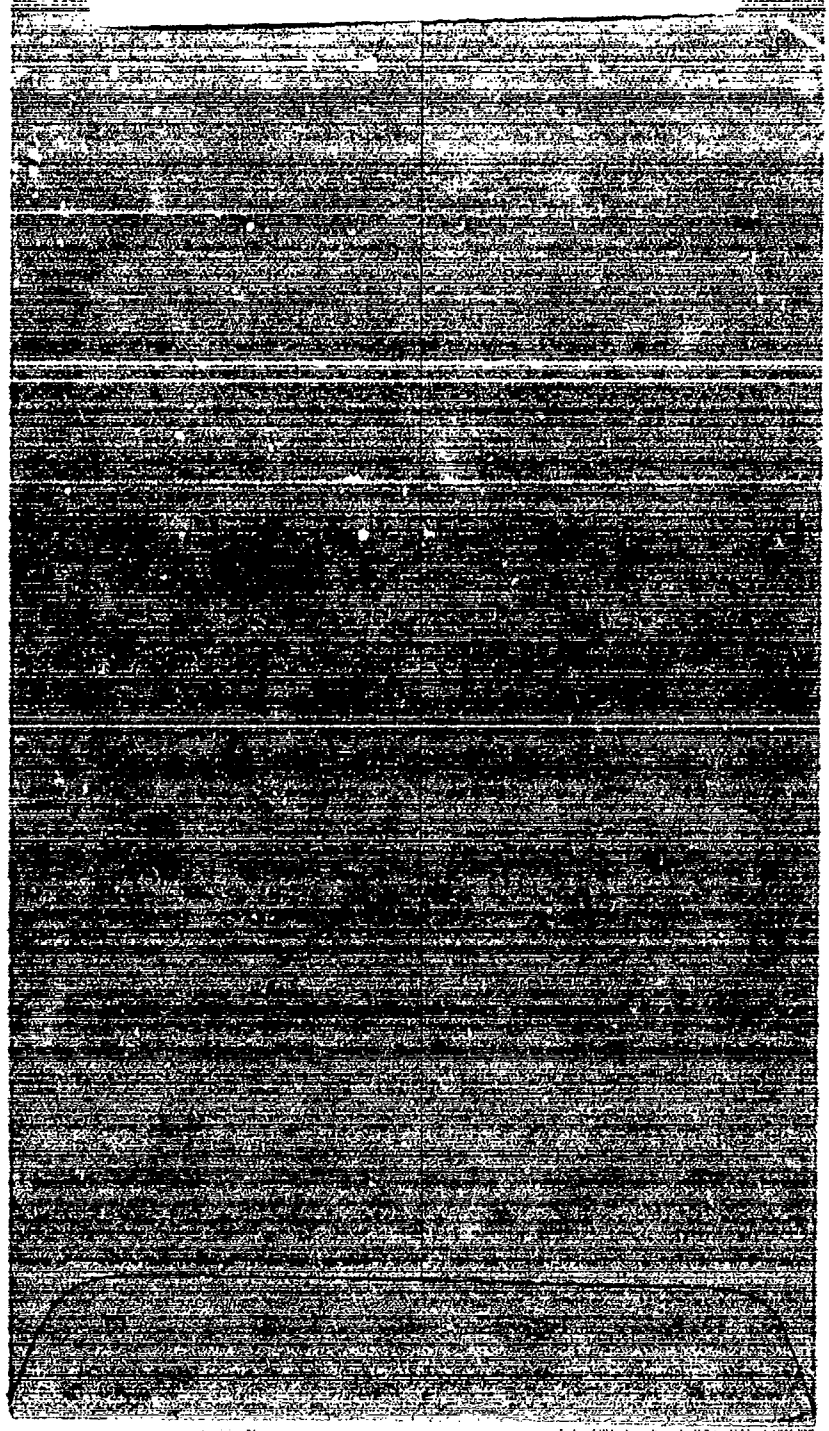
TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME	REMARKS	INITIAL
	8/6/96				
	2/6/96				
	2-12-96				

SEWER DIAGRAM

2/6/96 Ok to Release Meter (GHR)

OTHER DEPARTMENT REQUIREMENTS

2132 E. AVION



TRACT # _____
LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____
APN _____

PC # _____ VAR # _____ DAB/FILE # _____

BUILDING ADDRESS 2132 E Amy Dr
OWNER L.A. Dept of Airports
MAILING ADDRESS PO Box 92882 INPA
CITY L.A. Calif ZIP 9009 TEL.
CONTRACTOR Owner/Builder
ADDRESS
CITY ZIP TEL.
STATE LIC. & CLASSIF. CITY LIC. NO.
ARCH., ENGR., DESIGNER
ADDRESS TEL.
CITY ZIP STATE LIC. NO.
INTENDED PERMIT USE: Connect to City Sewer

SQ. FT. SIZE | NO. STORIES | NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ License No _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason: _____

Date 4/17/96 Owner X John Builder

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000). IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

OCC /TYPE CONST	SIZE (SQ FT)	VAL (SQ FT)	VALUATION
		TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT @	1000		
PLAN CHECK BLDG. DEPT.	1001		
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006		
SEWER CAPITAL ASSESSMENT FEE	1007	446	22
MISC.	1004	95	00
		TOTAL	541 22

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRIANS		

TOTAL FIXTURES _____ @ $ _____
WATER HEATERS/POOL • SPA HEATER
WATER ☐ GAS ☐ PIPING
PERMIT FEES @
TOTAL PLUMBING FEES ACCT. 1100
HOUSE SEWER @ | SEP. PIT | SEPTIC TANK — 40 00
PERMIT FEES @ — 15 00
TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200 — 55 00

ELECTRICAL FEES

OCC. GROUP @ ¢
SWITCHES, RECEPTACLES @
LIGHTING FIXTURES @
SERVICE @
NO. MOTORS @
PERMIT FEES @
TOTAL ELECTIRCAL FEES ACCT. 1300

MECH. FEES

HEATING M/BTU
A/C M/BTU
PERMIT FEE @
TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS
TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID YES NO
AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER TOTAL ALL FEES (PAY THIS AMOUNT) $596.22

PERMIT NO. 105590 DATE 4/17/96

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

John Builder 4/17/96
Signature of Applicant or Agent Date

Minimum Setback Distances **DEPARTMENT USE ONLY** Zone _____

_____ Front Setback from Center Line _____ R/W _____
_____ Rear Setback from Rear Property Line
_____ Side Street setback from Center Line _____ R/W _____
_____ Side Setback from Property Line
_____ Side Setback from Property Line

NOTE: Billed on P.O. #63033

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME	REMARKS	INITIAL
SEWER LINE					
BUILDING FOUND. TIE-DOWNS					
UNDERGROUND PLUMBING					
UNDERSLAB					
SLAB CLEAN					
ROUGH ELECTRIC					
ROUGH PLUMBING					
PLBG TOP OUT					
ROUGH MECHANICAL				5-3-96 SOUTH HALF SEWER AIR TEST OK UNCOVERED	
FLOOR FRAMING					
FLOOR SHEATHING					
ROOF SHEATHING					
ROOF COVERING					
ROUGH FRAMING					
SHEAR PANELS					
CONCRETE PANELS					
CONNECTIONS-POUR STRIP					
ENERGY CONSERVATION					
FIREPLACE-THROAT					
FIREPLACE-BOND BEAM					
FIREPLACE-TOP OUT					
MASONARY BOND BEAM					
LATH-EXTERIOR					
DRY WALL NAIL					
GAS TEST					
POOL STEEL/BOND/LINER					
SPA PLBG./SPA HTG					
POOL FENCE OK TO PLASTER					
ROOF DRAINS					
WATER SERVICE					
SEWER/~~CESSPOOL/LEACH~~ LINE FINAL	5/10/96	[signature]			
COMPACTION REPORT					
ROUGH GRADING					
FINAL GRADING					
FINAL PLUMBING	5/10/96	[signature]			
FINAL ELECTRIC					
FINAL MECHANICAL					
FINAL BUILDING					
FINAL POOL/SPA					
EDISON CO. CALLED					
GAS CO. CALLED					
OTHER DEPARTMENT REQUIREMENTS					
PLANNING					
ENGINEERING					
POLICE					
FIRE					
PUBLIC FACILITIES					
PUBLIC SERVICES					
TEMP. C.O. ISSUED					
C.O. ISSUED					

SEWER DIAGRAM

TRACT # _____
LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____
APN 0113

PC # | VAR # | DAB/FILE #

BUILDING ADDRESS: FIRE STATION 2132 E AVION
OWNER: DEPARTMENT OF AIR PORT
MAILING ADDRESS: 2132 E AVION
CITY: ONTARIO | ZIP: 91761 | TEL.:
CONTRACTOR: UNITED PLUMBING SERVICE
ADDRESS: 2880 HULEN PL.
CITY: RIVERSIDE CA | ZIP: 92507 | TEL: 909 683 3918
STATE LIC. & CLASSIF.: C-36 595777 | CITY LIC. NO.: 33080
ARCH., ENGR., DESIGNER
ADDRESS | TEL.
CITY | ZIP | STATE LIC. NO.
INTENDED PERMIT USE: PLUMBING AND SEWER CONNECTION
SQ. FT. SIZE | NO. STORIES | NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C36 License No. 595777
Expiration Date _____ Contractor Signature Richard Cochran

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier TUTICA INS. Expiration Date 4/24/96
Policy Number 0344174407

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 8-24-95 Applicant: Richard Cochran

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____
Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner-builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit form that division:

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT @	1000	
PLAN CHECK BLDG. DEPT.	1001	
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
MISC.		
	TOTAL	

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	
WATER CLOSETS			INTERCEPTORS	
LAVATORIES	SINKS		DRIANS	
Floor Sink				
TOTAL FIXTURES 1 @ $ 600				600
WATER HEATERS/POOL • SPA HEATER				
WATER ☑ GAS ☑ PIPING				400
PERMIT FEES @				1500
TOTAL PLUMBING FEES		ACCT. 1100		5700
HOUSE SEWER @ 1	SEP. PIT	SEPTIC TANK		1300
PERMIT FEES @				1500
TOTAL HOUSE SEWER & SANITATION FEES		ACCT. 1200		2800

ELECTRICAL FEES

OCC. GROUP @ ¢		
SWITCHES, RECEPTACLES @		
LIGHTING FIXTURES @		
SERVICE @		
NO. MOTORS @		
PERMIT FEES @		
TOTAL ELECTIRCAL FEES	ACCT. 1300	

MECH. FEES

HEATING M/BTU		
A/C M/BTU		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. 1400	

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. 1500	

SEWER ASSESSMENT FEES PAID	YES	NO
AVIGATION AGREEMENT REQUIRED	YES	NO

PAYOR: CONTR OWNER TOTAL ALL FEES (PAY THIS AMOUNT) $55.00

08-24-1995/01-00845/01-32105/$55.00

PERMIT NO. 103639 DATE 8/24/95

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 8-24-95

DEPARTMENT USE ONLY

Minimum Setback Distances Zone R2

_____ Front Setback from Center Line _____ R/W _____

NOTE: No Fees Required

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME	INITIAL	REMARKS
SETBACKS					
FOOTINGS/FORMS STEEL UFER					
U. GRND PLUMBING	9/20/95	Saunds			
U. GRND ELECT					
SLAB GRADE					
ROUGH ELECTRIC					
ROUGH PLUMBING	9/20/95	Saunds			
PLBG. TOP OUT	9/20/95	Saunds			
ROUGH MECHANICAL					
FLOOR FRAMING					
FLOOR SHEATHING					
ROOF SHEATHING					
ROOF COVERING					
ROUGH FRAMING					
SHEAR PANELS					
CONCRETE PANELS					
CONNECTIONS/POUR STRIP					
ENERGY CONSERVATION					
FIREPLACE-THROAT					
FIREPLACE-BOND BEAM					
FIREPLACE-TOP OUT					
MASONARY BOND BEAM					
LATH-EXTERIOR					
DRY WALL NAIL					
GAS TEST	9/15/98	Saunds			
POOL STEEL/BOND/LINER					
SPA PLBG./SPA HTG					
POOL FENCE OK TO PLASTER					
ROOF DRAINS					
WATER SERVICE					
SEWER/CESSPOOL/LEACH LINE FINAL					
COMPACTION REPORT					
ROUGH GRADING					
FINAL GRADING					
FINAL PLUMBING	9/6/96	Saunds			
FINAL ELECTRIC					
FINAL MECHANICAL					
FINAL BUILDING					
FINAL POOL/SPA					
EDISON CO. CALLED					
GAS CO. CALLED					
OTHER DEPARTMENT REQUIREMENTS					
PLANNING					
ENGINEERING					
POLICE					
FIRE					
PUBLIC FACILITIES					
PUBLIC SERVICES					
TEMP. C.O. ISSUED					

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN 0113

PC # VAR # DAB/FILE #

BUILDING ADDRESS 2132 E Albion

OWNER Bank of America

MAILING ADDRESS 20 N. Raymond

CITY Pasadena Ca. ZIP TEL.

CONTRACTOR HG Elect Inc

ADDRESS 1230 N. Jefferson

CITY Anaheim Ca. ZIP 92807 TEL. 714 632 0114

STATE LIC. & CLASSIF. C-10 395403 CITY LIC. NO.

ARCH., ENGR., DESIGNER LA Architects

ADDRESS 224 E. Olive suite 305 TEL.

CITY Burbank Ca. ZIP 91502 STATE LIC. NO.

INTENDED PERMIT USE: Electrical to ATM

SQ. FT. SIZE	NO. STORIES	NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-10/B License No. 395403

Expiration Date 11/30/96 Contractor Signature Jim Bacon

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.3 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Trans. Ins. Co. Expiration Date 10-1-96

Policy Number WC 130113423

☐ (This section need not be completed if the permit is for one hundred dollars ($100) or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

(X) Date: 10-19-95 Applicant: Jim Bacon

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner-builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

(X) Jim Bacon

Signature of Applicant or Agent Date

DEPARTMENT USE ONLY

Minimum Setback Distances Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

Line

NOTE: _____

VALIDATION

When property validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned

APPLICATION ONLY

BUILDING PERMIT FEES

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PERMIT @	1000		
PLAN CHECK BLDG. DEPT.	1001	13	75
PARK & REC. FEE SFR	1003	1	
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006		
SEWER CAPITAL ASSESSMENT FEE	1007		
MISC.			
TOTAL		13	75

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRIANS		

TOTAL FIXTURES _____ @ $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP @ ¢		
SWITCHES, RECEPTACLES @		
LIGHTING FIXTURES @		
SERVICE @		
NO. MOTORS @		
ATM	40	00
PERMIT FEES @	15	00
TOTAL ELECTIRCAL FEES ACCT. 1300	55	00

MECH. FEES

HEATING M/BTU	
A/C M/BTU	
PERMIT FEE @	
TOTAL MECHANICAL FEES ACCT. 1400	

GRADE FEES

CUBIC YARDS	
TOTAL GRADING FEES ACCT. 1500	

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $ ~~55.00~~ 68.75

PERMIT NO. 104125 DATE 10/19/95

2132 E. Avion

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC # _____ VAR # _____ DAB/FILE # _____

BUILDING ADDRESS: 2132 E. AVION ST. ONT

OWNER: LA CITY DEPT OF AIRPORTS

MAILING ADDRESS: SAME

CITY: Ontario, CA ZIP: 91761 TEL: _____

CONTRACTOR: OWNER / BUILDER

ADDRESS: _____

CITY: _____ ZIP: _____ TEL: _____

STATE LIC & CLASSIF: _____ CITY LIC NO: _____

ARCH. ENGR. DESIGNER: _____

ADDRESS: _____ TEL: _____

CITY: _____ ZIP: _____ STATE LIC NO: _____

INTENDED PERMIT USE: NEW FLOOR DRAIN

SQ FT SIZE: _____ NO STORIES: _____ NO DW UNITS: _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class _____ License No: _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)

☐ I am exempt under Sec. _____ Business and Professions Code for the reason: _____

Date 5/2/96 Owner Dan Bastian

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☐ (This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date _____ Applicant _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below:

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by the permit, and that no building, structure, scaffolding, falsework, or demolition or demanding thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit from that division.

Division of Industrial Safety Permit Number _____

I (or my employee) read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Dan Bastian 5/2/96

Signature of Applicant or Agent Date

BUILDING PERMIT FEES

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PERMIT @	1000		
PLAN CHECK BLDG. DEPT.	1001		
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES	1005		
EARTHQUAKE FEE COMM	1006		
SEWER CAPITAL ASSESSMENT FEE	1007	148	74
MISC			
		TOTAL	

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRIANS		
1 Floor Drain				6	00
TOTAL FIXTURES	@ $				
WATER HEATERS-POOL • SPA HEATER					
WATER ☐ GAS ☐ PIPING					
PERMIT FEES @				49	00
TOTAL PLUMBING FEES			ACCT 1100	55	00
HOUSE SEWER @		SEP PIT	SEPTIC TANK		
PERMIT FEES @					
TOTAL HOUSE SEWER & SANITATION FEES			ACCT 1200		

ELECTRICAL FEES

OCC. GROUP @		
SWITCHES, RECEPTACLES @		
LIGHTING FIXTURES @		
SERVICE @		
NO. MOTORS		
PERMIT FEES @		
TOTAL ELECTRICAL FEES	ACCT 1300	

COMPLETED Date

MECH. FEES

HEATING M/BTU		
A/C M/BTU		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT 1400	

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT 1500	
SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $203.74

PERMIT NO 105707 DATE 5/2/96

DEPARTMENT USE ONLY

Minimum Setback Distances

_____ Front Setback from Center Line _____ Zone _____

_____ Rear Setback from Rear Property Line R/W _____

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE Bill on P.O. # 630332

Letter of Authorization to Sign on it.

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

3161 E Avion

TRACT # _____ **CITY OF O** 303 EAST "B" STREET, ONTARIO, CALIF. 91764 TEL (714) 986-1181 @13

LOT # _____ 5486-8

PC # 187-52 VAR # _____ DAB/FILE # _____

BUILDING ADDRESS 2161 E. Avion Ontario, CA 91761

OWNER Beechcraft West

MAILING ADDRESS 2161 E. Avion Ontario, CA 91761

CITY California ZIP 91761 TEL _____

CONTRACTOR Shook Building Systems, Inc.

ADDRESS 3949 S. Baker Avenue

CITY Ontario, CA ZIP 91761 TEL 947-5817

STATE LIC & CLASS# 283001 "B" CITY LIC NO 15065L

ARCH, ENGR OR DESIGNER J R Miller & Assoc.

ADDRESS 2864 E Imperial Hwy TEL 524-1870

CITY Brea ZIP 92161 STATE LIC NO _____

DESCRIPTION OF WORK Hanger Bldg #2 Building Permit

VALUE $ 76,000 NO OF STORIES 1 NO DW UNITS _____

RESIDENTIAL ☐ COMMERCIAL ☐ INDUSTRIAL ☒

NEW ☒ ADDN ☐ ALTER ☐ REPAIR ☐ DEMOLITION ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect

SIGNATURE D. Cognotte P.M. DATE 12-7-87

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☐ I, owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code)

Policy No. WP 87-23276-04 Company Fremont 12-1-88 gp

☐ Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant D. Cognotte P.M. Date 12-7-87

Mailing Address 2055 S. Bon View Ave

City, State, Zip Ontario CA 91761

OCC./TYPE CONSTR.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
V-H	16,000	20.30	324,800.
V-H	4,000	51.50	206,000.
		TOTAL VALUATION	530,800.

PERMIT @	01-32101	1,510 00
PLAN CHECK @ Pd. 62790	01-36105	
PARK & REC. ACQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-215-118	37 15
SEWER CAPITAL ASSESSMENT FEE @ $960 EA.	28-37210	2,193 36
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	173 10
TOTAL		[illegible]

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ @ $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. #01-32102

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. #01-32105

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT. @ ¢

OCC. GROUP SQ. FT @ ¢

SERVICE AMPS @

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. #01-32103

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. #01-32104

GRADING FEES

CUBIC YARDS [illegible]

TOTAL GRADING FEES ACCT. #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 3,913 61

PERMIT NO. 165413 DATE 12-9-87 gp

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
	1/19/88	C Lef
FRAMING / SHEATHING		
	3.1.88	[illegible]
FOUR STRIP, STEEL		
	3-15-88	[illegible]
	(D) 3/18/88	[illegible]
FINAL BUILDING	5-4-88	[illegible]

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

Δ SEE APR. PLAN FIGS BR

○ [illegible] STEEL BR

1-19-88 see approved plans page 2 of 2 + pad slab section & detail

Apr. pad a. 2/2/88 CLef

2-88 ok to pour footings & ramps wall inside of bldg. C Clark

Framing for fire wall ok 3/20/88 CLef

3/88 Insulation thermo. ok Clark

4/88 TBR Spec'd paint for trusses C.B.O.

(D) Dry wall completed 4-12-88 C

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING

FIRE

PLANNING

POLICE

PUBLIC SERVICE

TRACT # _____

LOT # _____

CITY OF ONTARIO DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

1015

PC # P-88-1 VAR # DAB/FILE #

BUILDING ADDRESS 2161 E. PHILLIPS

OWNER BERCH CRAFT WEST

MAILING ADDRESS SAME

CITY ONTARIO ZIP 91761 TEL.

CONTRACTOR SHOOK BLDG. SYSTEMS

ADDRESS 2055 S. BAKER

CITY ONTARIO ZIP 91761 TEL 947-5817

STATE LIC & CLASS # 283001 CITY LIC NO 15065

ARCH. ENGR. DESIGNER J.R. MILLAR & ASSOC.

ADDRESS _____ TEL. _____

CITY _____ ZIP _____ STATE LIC NO _____

INTENDED USE OF PERMIT Plumbing permit.

SQ. FT. _____ NO. STORIES _____ NO. DW UNITS _____

RESIDENTIAL _____ COMMERCIAL [ ] INDUSTRIAL [X]

ADD [X] ALTER [ ] REPAIR [ ] DEMOLITION [ ]

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect

SIGNATURE X [signature] 2-16-88 DATE

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

[ ] I, as owner of the property or my employees with wages as their sole compensation, will do the work and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044 Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec _____ B & P C for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec 3800 Labor Code)

Policy No. 6704 Company Fremont 12-1-88

[ ] Copy is filed with the City. [ ] Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter the above-mentioned property for inspection purposes.

Signature of Applicant X [signature] 2-16-88

Mailing Address _____

City, State, Zip _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION

TOTAL VALUATION		
PERMIT @	01-32101	
PLAN CHECK @	01-36105	18 50
PARK & REC. AQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-215-116	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
TOTAL		18 50

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK, FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS 1500 Gal	1
		DRAINS	

TOTAL FIXTURES 1 @ $ 4.00	4 00
WATER HEATERS/POOL • SPA HEATER	
WATER [ ] GAS [ ] PIPING	
SOLAR COLLECTORS/TANKS	
PERMIT FEES @	10 00
TOTAL PLUMBING FEES ACCT #01-32102	14 00
HOUSE SEWER @ 4 SEP. PIT / SEPTIC TANK	50 00
PERMIT FEES @	10 00
TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105	60 00
SWITCHES, RECEPTACLES	
LIGHTING FIXTURES	
APPLIANCE OUTLETS	
OCC. GROUP SQ. FT. @ ¢	
OCC. GROUP SQ. FT. @ ¢	
SERVICE AMPS @	
NO. UNITS TEMP. POWER	
NO. MOTORS	
SWIMMING POOL/SPA ELECTRIC	
PERMIT FEES @	
TOTAL ELECTRICAL FEES ACCT. #01-32103	
HEATING M/BTU A/C M/BTU	
OTHER	
PERMIT FEE @	
TOTAL MECHANICAL FEES ACCT. #01-32104	

GRADING FEES	CITY OF ONTARIO
CUBIC YARDS	
TOTAL GRADING FEES ACCT. #01-32	
SEWER ASSESSMENT FEES PAID YES NO	
AVIGATION AGREEMENT REQUIRED YES NO	
TOTAL ALL FEES (PAY THIS AMOUNT)	$ 92 50

PERMIT NO. 060472 DATE 2-16-88

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started

APPLICATION ONLY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR

TRACT # _____ **CITY OF ONTARIO-E ONTIME : OF BUILDING AND SAFETY** 1075
LOT # _____ 303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

PC # _____ VAR # _____ DAB/FILE # 34365

Address of Work: 2161 E AVION
Name: BEECHCRAFT WEST
Mailing Address: 2161 E. AVION
City: ONTARIO | Zip: 91761 | Tel: _____
Contractor: SHOCK BUILDING SYSTEMS INC
Address: 2055 S. BAKER AVE
City: ONTARIO | Zip: 91761 | Tel: 947-5817 | City Lic. No.: 15065
Architect: JR MILLER & ASSOC.
Address: 2854 E IMPERIAL | Tel: 524-1870
City: BREA | Zip: 92621 | State Lic. No.: 7-9492
Description: elect., plumbing

Bldg. Sq. Ft. _____ | No. of Units _____
COMMERCIAL _____ RESIDENTIAL _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code and my license is in full force and effect.

X _____ 1-7-88
Date

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

I am exempt under Sec. _____, B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3600, Labor Code).

Policy No. 7733-2704 Company Fremont - 12-1-88

Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

WARNING TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____
Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

X _____ Date 1-7-88
Signature of Applicant
Mailing Address 2055 S. BAKER AVE
City, State, Zip ONTARIO, CA 91761

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL. ($/SQ. FT.)	VALUATION
		TOTAL VALUATION	65413

BUILDING PERMIT FEES

PERMIT #		01-32101
PLAN CHECK #		01-36105
PARK & REC. AQUISITION FEE #		07-31901
EARTHQUAKE FEE #		01-215-116
SEWER CAPITAL ASSESSMENT FEE #	$950 EA	28-37210
SEWER ASSESSMENT FEE #	$75 EA.	28-37211
	TOTAL	

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS	1	CLOTHES WASHERS	
WATER CLOSETS	6	DRINK. FOUNTAINS	3
LAVATORIES	6	URINALS	2
SINKS		INTERCEPTORS	
Floor drains	2	DRAINS	4
TOTAL FIXTURES 24	# $ 4		96 00
WATER HEATERS/POOL • SPA HEATER	3		15 00
WATER GAS Sewer Lats	PIPING		6 00
SOLAR COLLECTORS/TANKS			
PERMIT FEES #			10 00
TOTAL PLUMBING FEES	ACCT #01-32102		127 00
HOUSE SEWER #	SEP PIT	SEPTIC TANK	
PERMIT FEES #			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105		

ELECTRICAL FEES

SWITCHES, RECEPTACLES	20		80
LIGHTING FIXTURES	56		
APPLIANCE OUTLETS			
OCC GROUP	SQ FT	#	¢
OCC GROUP	SQ FT	#	¢
SERVICE 1200 AMPS		#	50 00
NO. UNITS	TEMP. POWER		
NO. MOTORS			
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES #			10 00
TOTAL ELECTRICAL FEES	ACCT. #01-32103		140 80

MECH. FEES

HEATING M/BTU	A/C M/BTU		
OTHER			
PERMIT FEE #			
TOTAL MECHANICAL FEES	ACCT #01-32104		

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. #01-32106	
SEWER ASSESSMENT FEES PAID	YES NO	
AVIGATION AGREEMENT REQUIRED	YES NO	

TOTAL ALL FEES (PAY THIS AMOUNT) $273 80

PERMIT NO 05745 DATE 1-7-88

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 1 year or if it is suspended or abandoned for a period of 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME	INITIAL	REMARKS
	1/11/88	CSG			
	3/10	DeRuda			
	3/21/88	CSG			
FINAL GRADING	5-4-88				
	5-12-88				
	5-12-88				

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

PUBLIC SERVICE

ISSUED

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY 07-88:

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

TRACT # ____ LOT # 1 VAR # ____ DAB/FILE # NP

2161 E. AVION ONTARIO.

BEACHCRAFT WEST

SAME AS ABOVE

ZIP TEL

ONTARIO 91761

QUALITY AIR

12155 MAGNOLIA AVE. STE. 12A

ZIP TEL

RIVERSIDE CA., (714)687-0581

CITY LIC NO 20450

344109 / C20

TEL

ZIP STATE LIC NO

Mechanical

NO STORIES NO DW UNITS

RESIDENTIAL ☐ INDUSTRIAL ☐

ALTER ☐ REPAIR ☐ DEMOLITION ☐

LICENSED CONTRACTOR'S DECLARATION

I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

X Dave Thomas X 1-29-88

(DATE)

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B & P C for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self insure or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. WO007619 Company BEAVER INS. CO. 12-19-88

X Filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant X Dave Thomas Date 1/29/88

Mailing Address 12155 MAGNOLIA AVE. STE. 12A

City State Zip RIVERSIDE, CA., 92503.

OCC./TYPE CONST	SIZE (SQ FT)	VAL (SQ FT)	VALUATION

TOTAL VALUATION

PERMIT @	01-32101	
PLAN CHECK @	01-36105	
PARK & REC. AQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-215-116	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA	28-37211	
	TOTAL	

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES @ $

WATER HEATERS/POOL ● SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES @

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER @ SEP PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT. @ ¢

OCC. GROUP SQ. FT. @ ¢

SERVICE AMPS @

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT #01-32103

MECHANICAL FEES

HEATING M/BTU A/C 156 M/BTU See Back 84 00

OTHER 6 BOOTH EX FANS 10 00

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT #01-32104 94 00

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 94 00

PERMIT NO. 06210 DATE 2/2/88

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started in ____ days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRICAL		
FINAL MECHANICAL	5.4.17	S Clark
FINAL SPA/POOL		
FINAL SOLAR		
FINAL ALLEY		
FINAL PAVING		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

6	Bath Fans	18.00
8	100,000 BTU HTG	48.00
2	60,000 BTU HTG	18.00
1	36,000 BTU HTG	
		84.00

OTHER DEPARTMENT REQUIREMENTS

PLUMBING		
CLEARING		
WATER SERVICE		
ISSUED		

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

0113--

VAR # DAB FILE #

2161 Avion
Beechcraft Latest
Same
2161 Avion Dr.
Ontario 91761
Comer Electric
1619 E Holt Blvd
Ontario 91761 983235
C10 151615 applied for

storeroom light

COMMERCIAL ☒ INDUSTRIAL ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

9/4/87 DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

I, as owner of the property, am exempt from the Contractor's License Law for the following reason (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.):

I am exempt under Sec. ____ B.& P.C. for this reason: ____

Date: ____ Owner: ____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. NCC716 Holt F Bruner 10-21-87

Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

I understand that in case I should become subject to the Workers' Compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name: ____

Lender's Address: ____

I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of the city to enter the above-mentioned property for inspection purposes.

Signature of Contractor or Agent: ____ Date: 9/4/87

Mailing Address: 1619 E Holt Ontario CA 9176-

Telephone No.: ____

VALIDATION

When properly validated in this space, this form constituting a permit to do the work described herein. This permit will expire if work is not started

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION

TOTAL VALUATION

PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
	TOTAL	

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES ____ @ $ ____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # SEP PIT SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105

ELECTRICAL FEES

SWITCHES RECEPTACLES	(1)	50
LIGHTING FIXTURES	(2) Exp Proof	1 00
APPLIANCE OUTLETS		
OCC GROUP SQ. FT # @		
OCC GROUP SQ. FT # @		
SERVICE AMPS #		
NO. UNITS TEMP. POWER		
NO. MOTORS		
SWIMMING POOL/SPA ELECTRIC		
PERMIT FEES @		10 00
TOTAL ELECTRICAL FEES ACCT #01-32103		11 50

MECH. FEES

HEATING M/BTU A/C M/BTU	
OTHER	
PERMIT FEE #	
TOTAL MECHANICAL FEES ACCT #01-32104	

GRADING FEES

CUBIC YARDS	
TOTAL GRADING FEES ACCT. #01-32	

CITY OF ONTARIO
TOTAL 11.50
CHECK 11.50
0531411101022267

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 11 50

PERMIT NO. 64037 DATE 9-2-87

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
[illegible]		
[illegible] STREET		
[illegible]		
[illegible]		
[illegible]		
[illegible] BOND BEAM		
[illegible] SPA LTG		
AT GRADE		
TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG. TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	9 2387	
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO. CALLED	5-6-88	
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
ENGINEERING		
TRASH BINS		
D.A.B. REQ.		
SITE PLAN		
VARIANCE		
C.U.P.		

C.O. ISSUED DATE

TEMP. C.O. ISSUED DATE

CONDITIONS

INSPECTOR'S NAME _____ INITIAL

REMARKS

SEWER DIAGRAM

TRACT # _____
LOT # _____

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL (714) 988-1151

PL # | VAR # | DAB/FILE #

BUILDING ADDRESS: 2161 E AVION
OWNER: BEECHCRAFT WEST
MAILING ADDRESS: 2161 E AVION
CITY: ONTARIO | ZIP: 91761 | TEL: 947-5817
CONTRACTOR: SHOCK BUILDING SYSTEMS INC
ADDRESS: 2055 S BAKER AVE
CITY: ONTARIO | ZIP: 91761 | TEL: 947-5817
ARCHITECT: | CITY LIC NO: 150654 OK jm
ADDRESS: | TEL:
CITY: | ZIP: | STATE LIC NO:
DESCRIPTION OF WORK: TEMP POWER

$ 20,000 | NO STORIES 1 | NO DWG UNITS —
OCCUPANCY: COMMERCIAL X | INDUSTRIAL
USE: ADDITION | ALTERED | REPAIR | DEMOLITION

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

Deanna L Skinner 12-28-87
(Signature) (Date)

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code): Any city or county which requires a permit to construct alter improve demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. 287-226104 Fremont 12-1-78 Company

X Copy is filed with the City | Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

WARNING: APPLICANT if after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Deanna L Skinner Date 12-28-87

Mailing Address _____

City, State, Zip _____

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein.

APPROVED BY _____

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION

TOTAL VALUATION

PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
TOTAL		

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ @ $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT. #01-32102

HOUSE SEWER # | SEP PIT | SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT. #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT. @ ¢

OCC. GROUP SQ. FT. @ ¢

SERVICE AMPS #

NO. UNITS | TEMP. POWER | SUB | 15 00

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES @ 10 00

TOTAL ELECTRICAL FEES ACCT. #01-32103 25 00

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $25 00

PERMIT NO. 05634 DATE 12-28-87

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
FOUNDATION/STEEL/UFER		
UNDERGROUND PLUMBING		
SLAB		
FOOTING		
UNDERGROUND ELECTRICAL		
ROUGH FRAMING/SHEATHING		
ROUGH PLUMBING		
ROUGH ELECTRICAL		
ROUGH MECHANICAL		
INSULATION		
LATH/DRYWALL		
EXTERIOR STUCCO LATH		
EXTERIOR STUCCO SCRATCH COAT		
EXTERIOR STUCCO BROWN COAT		
EXTERIOR STUCCO FINAL		
TILE		
TUB/SHOWER/WATERLINE		
WATER HEATER		
SHOWER PAN		
FINAL PLUMBING		
FINAL ELECTRIC	1-1-88	B2 Mar.
FINAL MECHANICAL		
FINAL BUILDING		
FINAL SEWER		
FINAL SOLAR		
FINAL CALLED	1-8-88	Franco
FINAL RECALLED		

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING		
FIRE		
PLANNING		
HOUSING		
PUBLIC SERVICE		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2548

PLAN NO: _____ APN _____

PC # | WR # | DAB/FILE #

BUILDING ADDRESS: 2161 E. AVION

OWNER: BEECH CRAFT WEST

MAILING ADDRESS: SAME

CITY: ONTARIO. | ZIP: | TEL:

CONTRACTOR: FIREBALL ELEC INC

ADDRESS: 9832 POTTER ST.

CITY: BELLFLOWER. | ZIP: 90706 | TEL: 213 866-2317

STATE LIC. & CLASS: 395205 C-10 | CITY LIC. NO. 18080L

ARCH., ENGR. OR OWNER: OK/LC

ADDRESS: | TEL:

CITY: | ZIP: | STATE LIC. NO.

INTENDED PERMIT USE: Electrical

SQ. FT. SIZE: | NO. STORIES: | NO. DW UNITS:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect

X _____ SIGNATURE 2-6-90 DATE

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)

☐ I as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code. The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improve thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self insure, or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code)

Policy No. 531777 Company STATE FUND 6/11/90

☐ Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 2-6-90

Mailing Address 9832 POTTER ST. BELLFLOWER

City, State, Zip BELLFLOWER CA. 90706

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PERMIT @	01-32101		
PLAN CHECK BLDG. DEPT.	01-36120		
PLAN CHECK FIRE DEPT.	01-36106		
PARK & REC. FEE SFR	07-31903		
PARK & REC. FEE MFR	07-31904		
EARTHQUAKE FEE RES.	01-215-116		
EARTHQUAKE FEE COMM.	01-215-118		
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210		
SEWER ASSESSMENT FEE @ $75 EA.	28-37211		
MISC.			
		TOTAL	
FIXTURES ~~1~~ @			
WATER HEATERS/POOL • SPA HEATER			
WATER ☐ GAS ☐ PIPING			
SOLAR COLLECTORS/TANKS			
PERMIT FEES @			
TOTAL PLUMBING FEES	ACCT. #01-32102		
HOUSE SEWER @	SEP. PIT	SEPTIC TANK	
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105		
OCC. GROUP	SQ. FT. @	¢	
OCC. GROUP	SQ. FT. @	¢	
SERVICE	AMPS @		
NO. UNITS	TEMP. POWER		
1 20 H.P motor			10 00
2 switches, 1 Rec			1 50
PERMIT FEES @			10 00
TOTAL ELECTRICAL FEES	ACCT. #01-32103		21 50
HEATING			
PERMIT FEE @			
TOTAL MECHANICAL FEES	ACCT. #01-32104		
CUBIC YARDS			
TOTAL GRADING FEES	ACCT. #01-32106		
SEWER ASSESSMENT FEES PAID YES NO			
AVIGATION AGREEMENT REQUIRED YES NO			
		TOTAL ALL FEES	
		(PAY THIS AMOUNT)	21 50

PERMIT NO. 80993 DATE 2/6/90

DEPARTMENT USE ONLY

By _____ Zone _____ Plan Check Valuation _____

Minimum Setback Distances

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line _____

_____ Side Street Setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

NOTE: _____

APPLICATION ONLY

VALIDATION

When properly validated in the space, this form constitutes a permit to do

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
[illegible]		
[illegible]		
[illegible]		

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2546

ACCT # _____ PLAN NO: _____

LOT # _____ APN _____

VAR # _____ DAB/FILE # _____

BUSINESS ADDRESS: 8161 E AVION

OWNER: BEECHCRAFT WEST

MAILING ADDRESS: SAME

CITY: ONTARIO ZIP: 91 TEL: 988-8502

CONTRACTOR: M3 ELECTRIC

ADDRESS: 7689 FENNEL RD

CITY: ETIWANDA ZIP: 91739 TEL: 941-1707

STATE LIC. & CLASS: C-10 -554972 CITY LIC NO: 28422

ARCH. / ENGR. / DESIGNER

ADDRESS TEL.

CITY ZIP STATE LIC. NO.

INTENDED PERMIT USE: Elect. Subpanel etc.

SQ. FT. SIZE NO. STORIES NO. OF UNITS

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

X Mark Smith SIGNATURE 11-27-90 DATE

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code. The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improve thereon and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code)

Policy No. _____ Company Attached

☐ Copy is filed with the City. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers's Compensation Laws of California.

WARNING TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Mark Smith Date 11-27-90

Mailing Address 7689 FENNEL RD

City, State Zip ETIWANDA, CA 91739

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PERMIT @	01-32101	
PLAN CHECK BLDG. DEPT	01-36120	
PLAN CHECK FIRE DEPT.	01-36106	
PARK & REC. FEE SFR	07-31903	
PARK & REC. FEE MFR	07-31904	
EARTHQUAKE FEE RES.	01-215-116	
EARTHQUAKE FEE COMM.	01-215-118	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
MISC.		
	TOTAL	
FIXTURES @		
WATER HEATERS/POOL • SPA HEATER		
WATER ☐ GAS ☐ PIPING		
SOLAR COLLECTORS/TANKS		
PERMIT FEES @		
TOTAL PLUMBING FEES	ACCT. #01-32102	
HOUSE SEWER @	SEP. PIT / SEPTIC TANK	
PERMIT FEES @		
TOTAL HOUSE SEWER & SANITATION FEES	ACCT. #01-32105	
OCC. GROUP SQ. FT. @ ¢		
OCC. GROUP SQ. FT. @ ¢		
SERVICE AMPS @		
NO. UNITS TEMP. POWER		
1-Subpanel		11 00
4-sec 2-220 out.		9 00
PERMIT FEES @		15 00
TOTAL ELECTRICAL FEES 300 ~~ACCT. #01-32103~~		35 00
HEATING		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. #01-32104	
CUBIC YARDS		
TOTAL GRADING FEES	ACCT. #01-32106	
SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		
TOTAL ALL FEES (PAY THIS AMOUNT)		$ 35 00

PERMIT NO. 84695 DATE 11/27/90 -00

01-32103/45

NOTE: _____

DEPARTMENT USE ONLY

Plan Check Valuation _____

By _____ Zone _____

Minimum Setback Distances

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street Setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

VALIDATION

When properly validated on this cover, this form constitutes a permit to do the work described herein. This permit will expire if work is not started

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME	REMARKS	INITIAL
[illegible]					
[illegible] STEEL GIRDER					
[illegible] FOOTING					
[illegible]					
[illegible]					
[illegible]					
[illegible] PLUMBING					
[illegible]					
[illegible] MANICAL					
[illegible] FRAMING/SHEATHING					
[illegible] FRAMING					
[illegible] SHEATHING					
[illegible] ROOF PANELS					
[illegible] TRANS/POUR STRIP					
[illegible] CONSERVATION					
[illegible] POWER WALLS					
[illegible]					
[illegible] TERIOR					
[illegible] AND BEAM					
[illegible]					
[illegible] GRADE BEAM					
[illegible]					
[illegible]					
[illegible] RAIL					
[illegible]					
[illegible]					
[illegible]					
[illegible]					
[illegible]					
[illegible]					
[illegible]					
[illegible]					
[illegible] REINFORCEMENT					
[illegible] GRADING					
[illegible] GRADING					
[illegible] FRAMING					
[illegible] ELECTRIC	12-4-90	Dan			
[illegible] MECHANICAL					
[illegible] DECKING					
[illegible] POOL/SPA					
[illegible] BAR					
[illegible] WAS CALLED					
[illegible] CO CALLED					

OTHER DEPARTMENT REQUIREMENTS

[illegible] PRINTING

[illegible]

[illegible] FINAL

[illegible] ISSUED

SEWER DIAGRAM

TRACT # /

LOT #

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

0149

PC # | VAR # | DAB/FILE #

BUILDING ADDRESS: 2161 E. AVION ST.

OWNER: BEACHCRAFT WEST ONTARIO

MAILING ADDRESS: SAME

CITY: ONTARIO | ZIP: 91761 | TEL: (714) 9888502

CONTRACTOR: STEELE CONSTRUCTION

ADDRESS: 90 E. STOWELL

CITY: UPLAND | ZIP: 91786 | TEL: (714) 9853817

STATE LIC & CLASS: 523454 B-1 | CITY LIC NO: 028694

ARCHITECT/ENGINEER

ADDRESS | TEL

CITY | ZIP | STATE LIC NO

PROPERTY OWNER'S PERMIT USE: Tenant Improvement

UNIT | NO STORIES | NO DW UNITS

OCCUPANCY: ADDITION | ALTER | REPAIR | DEMOLITION | RESIDENTIAL | INDUSTRIAL

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

SIGNATURE: Wesley E. Steele DATE: 10/4/88

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improve thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. 4205 Company State Fund 10/1/89

X Copy will be filed with the City

Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: Wesley E. Steele Date: 10/4/88

Mailing Address _____

City, State, Zip _____

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	15,000 00

PERMIT @	01-32101	160 00
PLAN CHECK @	01-36105	105 30
PARK & REC. AQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-215 ~~410~~	225
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
TOTAL		269 55

PLUMBING FEES

BATHTUBS	DISHWASHER/DISPOSAL
SHOWERS	CLOTHES WASHERS
WATER CLOSETS	DRINK. FOUNTAINS
LAVATORIES	URINALS
SINKS	INTERCEPTORS
	DRAINS

TOTAL FIXTURES _____ @ $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES @

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER @ | SEP PIT | SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES 210

LIGHTING FIXTURES 18 9

APPLIANCE OUTLETS

OCC. GROUP SQ. FT @ ¢

OCC. GROUP SQ. FT @ ¢

SERVICE AMPS @

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES @ 10 00

TOTAL ELECTRICAL FEES ACCT #01-32103 10 00

MECHANICAL FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. #01-32

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

CITY OF ONTARIO TOTAL 269.55 CASH CHECK 269.55 4105 1110 100466

TOTAL ALL FEES (PAY THIS AMOUNT) $ 288 55

PERMIT NO. 71869 DATE 10/4/88

VALIDATION

When properly validated in this space, this form constitutes a permit to do

APPLICATION ONLY

CITY OF ONTARIO DEPARTMENT OF BUILDING AND SAFETY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
	12/6/88	CLeft
	except bracing at ceiling 12/6/88	
	12-7-88	(Quairoli)
	12-12-88	(Quairoli)
	8.13.88	

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

DM 3-9-89 #697

INTER-OFFICE COMMUNICATION

City of Ontario

DATE: 3-7-89

FROM:
- ☐ Joyce Babicz, City Planner
- ☐ Leroy Bender, City Engineer
- ☐ M. Macias, Police Department
- ☐ William Alexander, Captain, Fire Safety Control Division
- ☐ Jonelle Malloy, Public Facilities Development Coordinator
- ☐ Paul Gomez, Senior Administrative Assistant

SUBJECT: Beechcraft West. light water system

☐ Occupancy Clearance for 2161 Avion (Street address) T.I (D.A.B.)

☐ Tract Clearance for _____ (Tract #) _____ (Lots) _____ (Phase #)

Contractor/Representative _____ Phone # _____

RETURN TO BUILDING DEPARTMENT

TO: Kenneth Gilman, Building Official

☑ All conditions of Approval for Occupancy have been met.

DATE 3-16-89

Signature

Capt.
Title

Fire
Department

TRACT # _____ **CITY OF ONTARIO DEPARTMENT OF [illegible] AND SAFETY**

LOT # _____ 303 EAST "B" STREET, ONTARIO, CALIF. 91764 TEL. (714) 986-1151 0213-

PC # 87-152 VAR # — DAB/FILE # —

BUILDING ADDRESS 2161 EAST AVION

[redacted] BEECH CRAFT

MAILING ADDRESS SAME

CITY | ZIP | TEL.

CONTRACTOR Western Automatic

ADDRESS PO Box 1318

CITY West Covina | ZIP 91793 | TEL. 818-966-6845

STATE LIC. & CLASS 270997 C-16 | CITY LIC. NO. 17255

ARCH. ENGR. DESIGNER SAME CONTRACTOR

ADDRESS | TEL

CITY | ZIP | STATE LIC. NO.

INTENDED PERMIT USE FIRE SPRINKLERS

SIZE 20,000 | NO. STORIES 1 | NO. DW. UNITS 1

RESIDENTIAL ☐ COMMERCIAL ☒ INDUSTRIAL ☐

ADDN ☐ ALTER ☐ REPAIR ☐ DEMOLITION ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

[redacted] Ronald C. Wells 9-9-87

SIGNATURE DATE

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code)

Policy No. 4165 Company STATE COMP INS FUND

Copy is filed with the City. ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE 11 55

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender's Name _____

[redacted] I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Ronald C. Wells Date 9-9-87

Mailing Address PO Box 1318

City, State, Zip West Covina, CA 91793

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	25,800

PERMIT @	01-32101	22	00
PLAN CHECK @	01-36105	14	50
PARK & REC. AQUISITION FEE @	07-31901		
EARTHQUAKE FEE @	01-215-116	2	45
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210		
SEWER ASSESSMENT FEE @ $75 EA.	28-37211		
	TOTAL	38	95

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ @ $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. #01-32102

HOUSE SEWER @ | SEP. PIT | SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT. @ ¢

OCC. GROUP SQ. FT. @ ¢

SERVICE AMPS @

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. #01-32103

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. #01-32[illegible]

CITY OF ONTARIO [illegible]

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 38.95

PERMIT NO. 6[illegible]35 TE 4 4 x 7 ct

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR

TRACT # _____ LOT # _____

CITY OF ONTARIO DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

01-32101-15

PC # PJ-87-49 VAR # DAB/FILE # 3486-S

BUILDING ADDRESS 2161 EAST AVION

OWNER Beechcraft West

SAME AS ABOVE

ZIP 91761 TEL ——

CONTRACTOR Stock Bldg. Systems

ADDRESS 2083 S. BAKER AVE.

CITY ONTARIO ZIP 91761 TEL 947-5817

ARCH/ENG 283001 "B" CITY LIC NO

ADDRESS TEL

CITY ZIP STATE LIC NO

DESCRIPTION OF WORK GRADING

Balance -

25,000 CY

STORIES 1 NO. DW UNITS

OCCUPANCY COMMERCIAL INDUSTRIAL

ADDITION ALTERED REPAIR DEMOLITION

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect

7-13-87

DATE

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

X I, as owner of the property, or my employees with wages as their sole compensation will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B & PC for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Worker's Compensation Insurance or a certified copy thereof (Sec. 3700, Labor Code).

X Company

I have and will maintain Worker's Compensation Insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My Worker's Compensation Insurance carrier and policy number are:

Carrier _____ Policy Number _____

This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

I also understand that if after making this Certificate of Exemption I should become subject to the Workers' Compensation provisions of the Labor Code, I must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature (Owner or Authorized Agent) 7-13-87 Date

2083 S. BAKER

Mailing Address

ONTARIO, CA 91761

City, State, Zip

BUILDING PERMIT FEES

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PERMIT @	01-32101		
PLAN CHECK @	01-36105	20	00
PARK & REC. AQUISITION FEE @	07-31901		
EARTHQUAKE FEE @	01-215-116		
SEWER CAPITAL ASSESSMENT FEE @ $950 EA	28-37210		
SEWER ASSESSMENT FEE @ $75 EA	28-37211		
	TOTAL	20	00

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ @ $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES @

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC GROUP SQ. FT @ ¢

OCC GROUP SQ. FT @ ¢

SERVICE AMPS @

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. #01-32103

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. #01-32104

GRADING FEES

CITY OF ONTARIO

CUBIC YARDS

TOTAL GRADING FEES ACCT. #01-32 RECD 20 00

SEWER ASSESSMENT FEES PAID YES NO 3220 1110 10 1987

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 20.00

PERMIT NO. 62789 DATE _____

VALIDATION

When property validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 120 days, or if work is _____ for _____ days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
[illegible]		
[illegible] STEEL		
[illegible] FRAMING		
[illegible]		
[illegible]		
[illegible] STEEL BOND BEAM		
[illegible]		
[illegible]		
FOUND. TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
ENGINEERING		
TRASH BINS		
D.A.B REQ		
SITE PLAN		
VARIANCE		
C.U.P		

C.O. ISSUED: DATE _____

TEMP C.O. ISSUED: DATE _____

CONDITIONS: _____

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL		
UNDERGROUND PLUMBING		
UNDERGROUND ELECT.		
UNDERGROUND MECH		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG. TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
ENGINEERING		
TRASH BINS		
D.A.B. REQ.		
SITE PLAN		
VARIANCE		
C.U.P.		

C.O. ISSUED: DATE

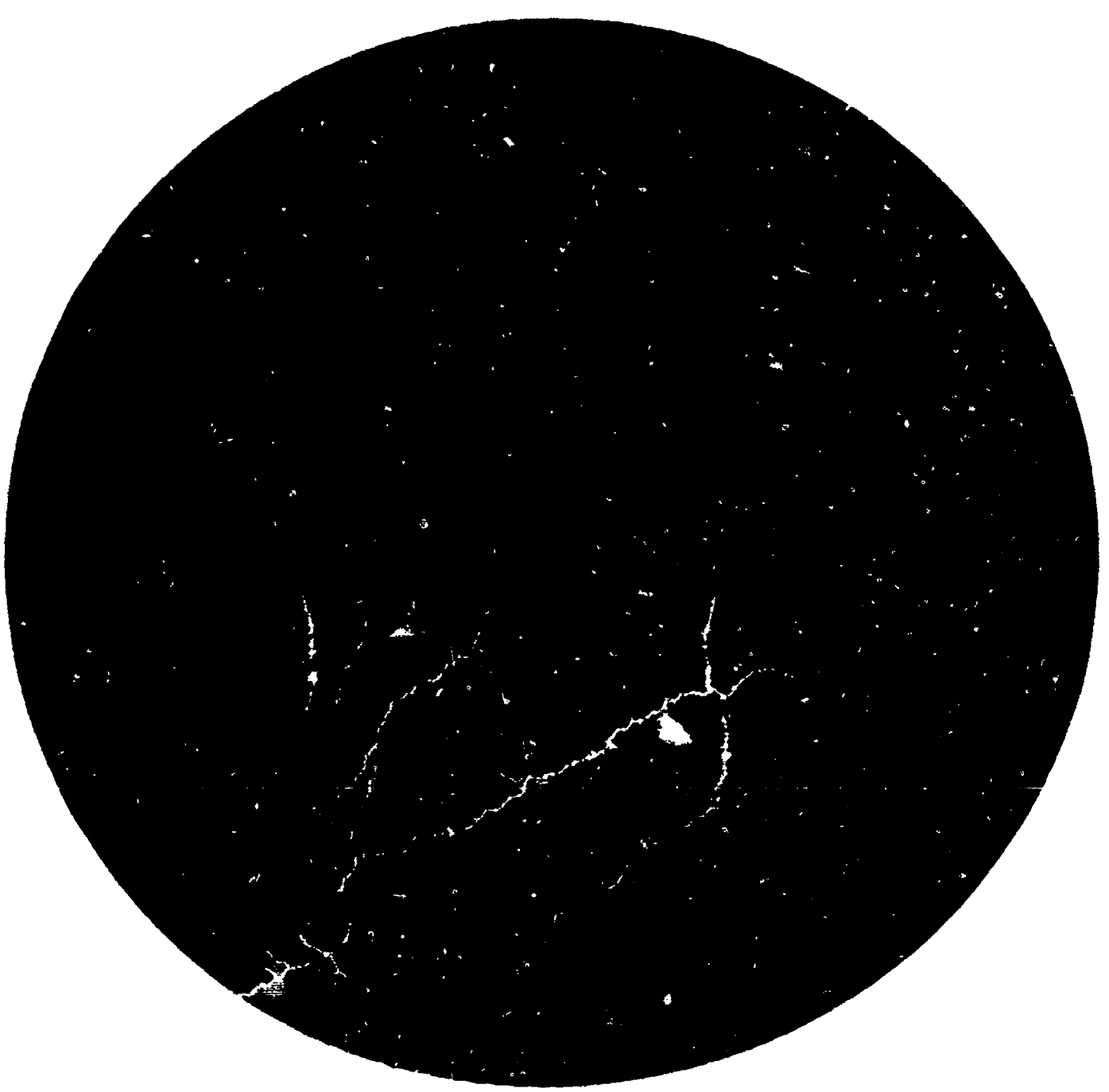
TEMP. C.O. ISSUED: DATE

CONDITIONS

INSPECTOR'S NAME _____ INITIAL

REMARKS

SEWER DIAGRAM



MicroFilming Services
160-C Vander St P O Box 2106
CORONA, CALIFORNIA 91720

(714) 735-8733

2161 E. Union

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2546

TRACT # 11093-51 LOT #

PLAN NO

APN 013-261-01

JOB ADDRESS 2161 E. AVION ST.

OWNER BOB SMITH

MAILING ADDRESS 2161 E. AVION ST.

CITY ONTARIO ZIP 91761 TEL (909) 988-8502

CONTRACTOR YOUNG ELECTRIC SIGN

ADDRESS 1413 E. PHILADELPHIA

CITY ONTARIO ZIP 91761 TEL (909) 923-7460

STATE LIC. # C45 250739 (A) (B) CITY BUS. LIC. # 12426

ARCHITECT/ENGINEER N/A - Contractor

ADDRESS

CITY ZIP STATE LIC. #

PLUMBER

ADDRESS

CITY ZIP STATE LIC. #

PERMIT FOR SIGN - WALL ILLUMINATED

TYPE OF CONST. OCC. GROUP NEW/EXIST

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

X Patricia Barnard 3/3/93

SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

As owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

As owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. B & P C. for this reason

Date Owner

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3700 Labor Code)

Policy No. 423-000007 Company STATE FUND

Certificate is filed with the city. (Attach copy or certificate number.)

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE 4/1/93 SF

This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I AM AWARE OF THE PROVISIONS OF SECTION 3700 OF THE LABOR CODE WHICH REQUIRE EVERY EMPLOYER TO BE INSURED AGAINST LIABILITY FOR WORKERS' COMPENSATION OR TO UNDERTAKE SELF-INSURANCE IN ACCORDANCE WITH THE PROVISIONS OF THAT CODE, AND I WILL COMPLY WITH SUCH PROVISIONS BEFORE COMMENCING THE PERFORMANCE OF THE WORK OF THIS PERMIT.

IMPORTANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name

Lender's Address

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Patricia Barnard Date 3/3/93

Mailing Address

City State

DEPARTMENT USE ONLY

Plan Check Valuation

Minimum Setback Distances

Front Setback from Center Line R/W

Rear Setback from Real Property Line

Side Street Setback from Center Line W

Side Setback from Property Line

Side Setback from Property Line

BUILDING PERMIT FEES

			TOTAL VALUATION	3,000 —
PERMIT #	1000	01-32101	54 —	
PLAN CHECK BLDG DEPT	1001	01-36120	35 10	
PLAN CHECK FIRE DEPT		01-36106		
PARK & REC FEE SFR		07-31903		
PARK & REC FEE MFR		07-31904		
EARTHQUAKE FEE RES		01-215-116		
EARTHQUAKE FEE COMM	1006	01-215-118		63
SEWER CAPITAL ASSESSMENT FEE # $450 EA		28-37210		
SEWER ASSESSMENT FEE # $75 EA		28-37211		
MISC				
		TOTAL	89	73

PLUMBING FEES

FIXTURES #			
WATER HEATERS/POOL • SPA HEATER			
WATER ( ) GAS ( ) PIPING			
SOLAR COLLECTORS/TANKS			
PERMIT FEES #			
TOTAL PLUMBING FEES		ACCT #01-32102	
HOUSE SEWER #	SEP PIT	SEPTIC TANK	
PERMIT FEES #			
TOTAL HOUSE SEWER & SANITATION FEES		ACCT #01-32105	

ELECTRICAL FEES

OCC. GROUP	SQ FT	#	¢	
OCC. GROUP	SQ FT	#	¢	
SERVICE	AMPS	#		
NO. UNITS	TEMP. POWER			
1 Branch Circuit				15 —
PERMIT FEES #				15 —
TOTAL ELECTRICAL FEES 1300		ACCT #01-32103		30 —

MECH. FEES

HEATING	
PERMIT FEES #	
TOTAL MECHANICAL FEES	ACCT #01-32104

GRADE FEES

CUBIC YARDS	
TOTAL GRADING FEES	ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 119 73

PERMIT NO 94442 DATE 3/3/93 SF

NOTE

VALIDATION

When property validated in this space, this permit constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days or if work is abandoned for more than 180 days.

APPLICATION ONLY

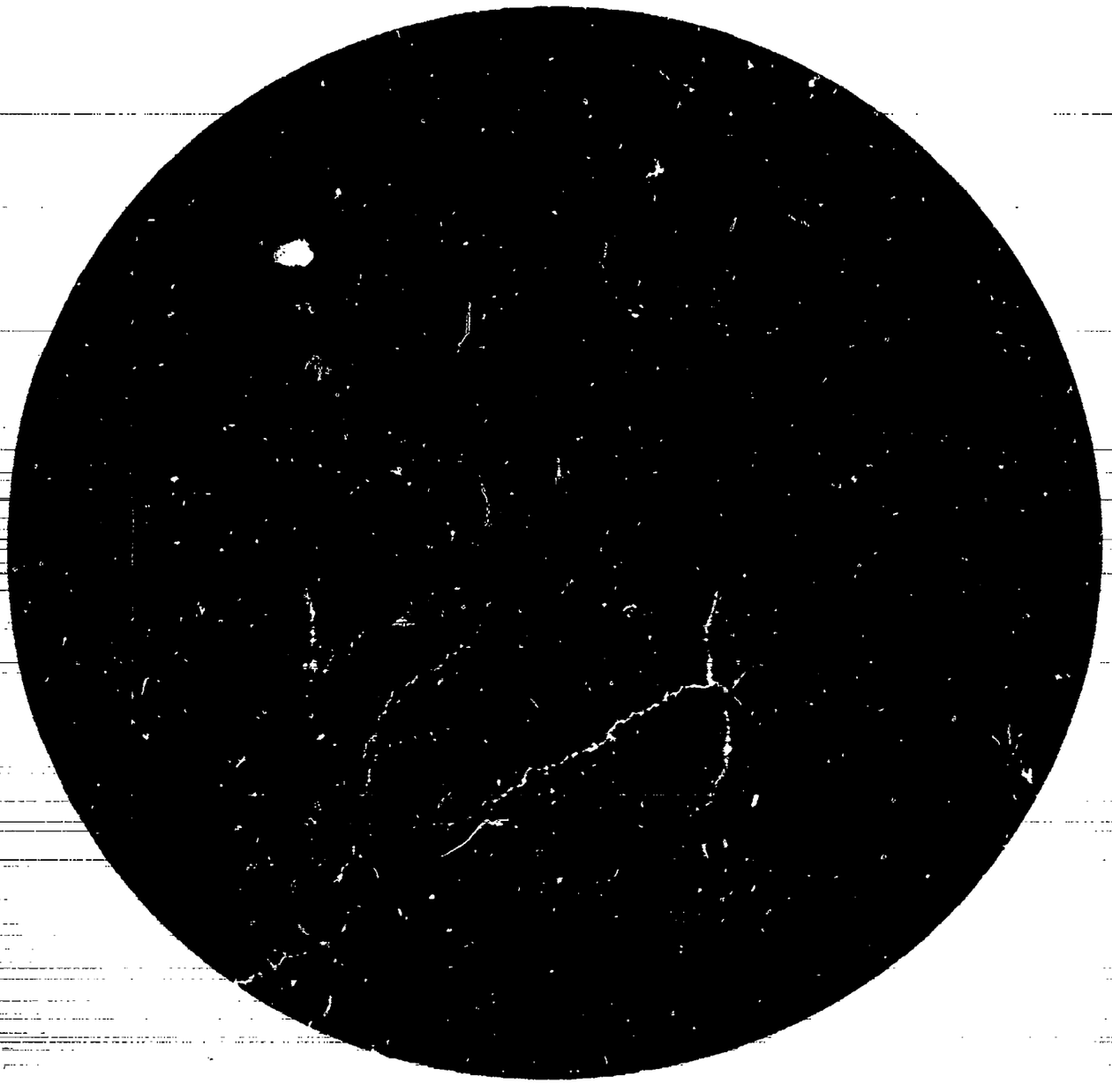
SEWER DIAGRAM

5-7-93

5-7-93

OTHER DEPARTMENT REQUIREMENTS

United Beechcraft



MicroFilming Services
160-C Vander St P O Box 2106
CORONA, CALIFORNIA 91720

(714) 735-8733

2264 Avion Pl.

TRACT # _____ **CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY**

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL (714) 986-1151

013t

LOT # I 6820 MAP # PARCEL # 3734-5

BUILDING ADDRESS 2264 AVION PLACE

OWNER GENERAL ELECTRIC COMPANY

ADDRESS 1923 E. AVION ST

CITY Ontario ZIP 91761 TEL 391-5204

CONTRACTOR Al Shankle Const. Co

ADDRESS 1150 N. Richfield Rd

CITY Anaheim ZIP 92807 TEL 996-8960

STATE LIC. & CLASS# 412074 CITY LIC. NO 21183L

ARCH. ENGR. DESIGNER Burns + McDonnell

ADDRESS 4800 E. 63rd St TEL 816 833-4375

CITY Kansas City Mo ZIP 64141 STATE LIC. NO.

INTENDED PURPOSE Test Cell

SQ. FT. _____ NO. UNITS _____ No. DWG. UNITS _____

RESIDENTIAL ☐ COMMERCIAL ☐ INDUSTRIAL ☐

NEW ☐ ADD ☐ ALTER ☐ REPAIR ☐ DEMOLITION ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

SIG. M J Shankle 5/2/88 DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

☐ I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. WCB-162-029156-017 Company LIBERTY MUTUAL

☒ Copy is filed with the City. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant M J Shankle Date 5/2/88

Mailing Address 1150 N. Richfield Rd

City, State, Zip Anaheim, Ca, 92807

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described hereon. This permit shall expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

DESC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	996,690

BUILDING PERMIT FEES

PERMIT #	01-32101	3512 50
PLAN CHECK #	01-38105	2283 12
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-118	148 60
SEWER CAPITAL ASSESSMENT FEE # $350 EA.	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
TOTAL		5944 22

PLUMBING FEES

BATHTUBS	DISHWASHER/DISPOSAL
SHOWERS	CLOTHES WASHERS
WATER CLOSETS	DRINK. FOUNTAINS
LAVATORIES	URINALS
SINKS	INTERCEPTORS
	DRAINS

TOTAL FIXTURES _____ # $ _____

WATER HEATERS POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # SEP. PIT SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105

ELECTRICAL FEES

SWITCHES RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT. # ¢

OCC. GROUP SQ. FT. # ¢

SERVICE AMPS #

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT. #01-32103

MECHANICAL FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT. #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

CITY OF ONTARIO
CASH 5944.22
TOTAL 5944.22
CHECK 5944.22
126341111010000508

TOTAL ALL FEES (PAY THIS AMOUNT) $ 5944.22

PERMIT NO. 69621 DATE 6/2/88

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
	7-[illegible]	[illegible]
	7-17-90	[illegible]
	8 30 90	[illegible]
	7-17-90	[illegible]
FINAL BUILDING	2-1-91	[illegible]

REMARKS

8 7 90 SIDEWALK [illegible]

4/19/90 Extension granted
(714) 10/19/90 per Roger Davis
(714) 371-5321. G. Brown
4-27-90 SEE APP. PINS FTGS on Rear
5-2-90 FTGS & JET [illegible]
ALL memo. on B
5-31-90 NORTH & EAST WALL SLAB on Rear
6-4-90 WEST SLAB SEE APP on B
7-17-90 STEEL OK Rear

4-2-91 FIRE SPKRS INSTALLED B

SEWER DIAGRAM

PERMIT ISSUED FOR
Foundation
ONLY
PER SECTION 302 (a), 1985
UNIFORM BUILDING CODE
Acknowledged by: Mel Shanahan
Date: 6/21/90

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING
FIRE
PLANNING
POLICE
PUBLIC SERVICE
C.O. ISSUED

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2548

TRACT # _____ LOT # _____ PLAN NO _____ APN _____

PC # _____ VAR # _____ DAB/FIRE # _____

JOB (BLDG) ADDRESS: 2264 Avion Place

OWNER: GE AVIATION

MAILING ADDRESS: 2264 Avion Place

CITY: Ontario ZIP: _____ TEL: _____

CONTRACTOR: Gregg Electric, INC

ADDRESS: 608 W Emporia

CITY: Ontario ZIP: 91762 TEL: 983-1794

STATE LIC & CLASS: C10-261042 CITY LIC NO: 00665L

ARCH/ENGR DESIGNER: N/A

ADDRESS: _____ TEL: _____

CITY: _____ ZIP: _____ STATE LIC NO: _____

INTENDED PERMIT USE: ~~Contractor~~ 800 Amp Service

SQ FT SIZE: _____ NO STORIES: _____ NO DW UNITS: _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

X Felix Rodea 1 Nov 90
SIGNATURE DATE

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. WP9040410B-05 Company Fire Mart

☐ Copy is filed with the City.

☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE 10/16/90

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code):

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: Felix Rodea Date 1 Nov 90

Mailing Address _____

City, State, Zip Same As Above

DEPARTMENT USE ONLY

By _____ Zone _____ Plan Check Valuation _____

Minimum Setback Distances

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street Setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described hereon. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

BUILDING PERMIT FEES	OCCUPANCY GROUP(S)	SIZE (SQ FT)	VAL (SQ FT)	VALUATION
			TOTAL VALUATION	

PERMIT #	01-32101	
PLAN CHECK BLDG DEPT	01-36120	
PLAN CHECK FIRE DEPT	01-36106	
PARK & REC FEE SFR	07-31903	
PARK & REC FEE MFR	07-31904	
EARTHQUAKE FEE RES	01-215-116	
EARTHQUAKE FEE COMM	01-215-118	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
MISC		
TOTAL		

PLUMBING FEES				
FIXTURES #				
WATER HEATERS/POOL • SPA HEATER				
WATER ☐ GAS ☐ PIPING				
SOLAR COLLECTORS/TANKS				
PERMIT FEES #				
TOTAL PLUMBING FEES			ACCT #01-32102	
HOUSE SEWER #	SEP PIT	SEPTIC TANK		
PERMIT FEES #				
TOTAL HOUSE SEWER & SANITATION FEES			ACCT #[illegible]	

ELECTRICAL FEES				
OCC. GROUP	SQ FT	#	¢	
OCC. GROUP	SQ FT	#	¢	
SERVICE 1	AMPS 800	#		.25 —
NO. UNITS	TEMP POWER			
PERMIT FEES #				10 —
TOTAL ELECTRICAL FEES 1.35			ACCT #01-32103	35 —

MECH. FEES		
HEATING		
PERMIT FEE #		
TOTAL MECHANICAL FEES	ACCT #01-32104	

GRADING FEES		
CUBIC YARDS		
TOTAL GRADING FEES	ACCT #01-32106	

SEWER ASSESSMENT FEES PAID YES NO	
AVIGATION AGREEMENT REQUIRED YES NO	
TOTAL ALL FEES (PAY THIS AMOUNT)	$ 35 —

PERMIT NO 84487 DATE 11/2/90 SE

NOTE _____

11-05-1990/01-1624[illegible] 35.00

APPLICATION COPY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS
ENERGY CONSERVATION			
FINAL ELECTRIC	12-18-90	[illegible]	
FINAL BUILDING	12-18-90	[illegible]	

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING			
FIRE			
PUBLIC SERVICE			

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (714) 391-2546

PLAN NO

APN

TRACT #

LOT #

PK. | VAR # | TAB/FILE #

BUILDING ADDRESS: 2264 Avion Place

OWNER: General Electric Company

MAILING ADDRESS: Same

CITY: Ontario | ZIP: | TEL:

CONTRACTOR: R.E. Ross, Inc.

ADDRESS: 5225 Canyon Crest Drive #71-140

CITY: Riverside | ZIP: 92507 | TEL: 789-1201

STATE LIC & CLASS#: C-20 474390 | CITY LIC NO: 06

ARCH. ENGR. DESIGNER:

ADDRESS: | TEL:

CITY: | ZIP: | STATE LIC NO:

INTENDED PERMIT USE: Mechanical for T.I.

SQ. FT. SIZE | NO. STORIES: 1 | No. DW. UNITS:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

X R.E. ROSS 3/1/91

SIGNATURE DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.), I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

I am exempt under Sec. _____, B.& P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. See Attached Company

( ) Copy is filed with the City (X) Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This portion need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code):

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant R.E. ROSS Date 3/1/91

Mailing Address 5225 Canyon Crest Dr #71-140

City, State, Zip Riverside, Ca. 92507

USE	TYPE LICENSE	SIZE/QUALITY	VALUATION/QUALITY	VALUATION
			TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT #	01-32101	
PLAN CHECK BLDG DEPT	01-36120	
PLAN CHECK FIRE DEPT	01-36106	
PARK & REC FEE SFR	07-31903	
PARK & REC FEE MFR	07-31904	
EARTHQUAKE FEE RES	01-215-115	
EARTHQUAKE FEE COMM	01-215-118	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA	28-37210	
SEWER ASSESSMENT FEE @ $75 EA	28-37211	
MISC.		
	TOTAL	

PLUMBING FEES

FIXTURES @		
WATER HEATERS/POOL • SPA HEATER		
WATER ☐ GAS ☐ PIPING		
SOLAR COLLECTORS/TANKS		
PERMIT FEES @		
TOTAL PLUMBING FEES	ACCT #01-32102	
HOUSE SEWER @	SEP. PIT / SEPTIC TANK	
PERMIT FEES @		
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105	

ELECTRICAL FEES

OCC. GROUP	SQ. FT.	@	¢	
OCC. GROUP	SQ. FT.	@	¢	
SERVICE	AMPS	@		
NO. UNITS	TEMP. POWER			
PERMIT FEES @				
TOTAL ELECTRICAL FEES		ACCT #01-32103		

MECHANICAL FEES

HEATING		
1 HAND EXHAUST SYSTEM WITH MAKE-UP AIR.	6	50
PERMIT FEE @	15	00
TOTAL MECHANICAL FEES 1400	ACCT #01-32104	21 50

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT #01-32106	

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 21 50

PERMIT NO 85507 DATE 3/1/91

NOTE: 03-01-1991/01-00130/01-32101/01-32104

APPLICATION ONLY

BUILDING DEPARTMENT COPY

DEPARTMENT USE ONLY

By _____ Zone _____ Plan Check Valuation _____

Minimum Setback Distances

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street Setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

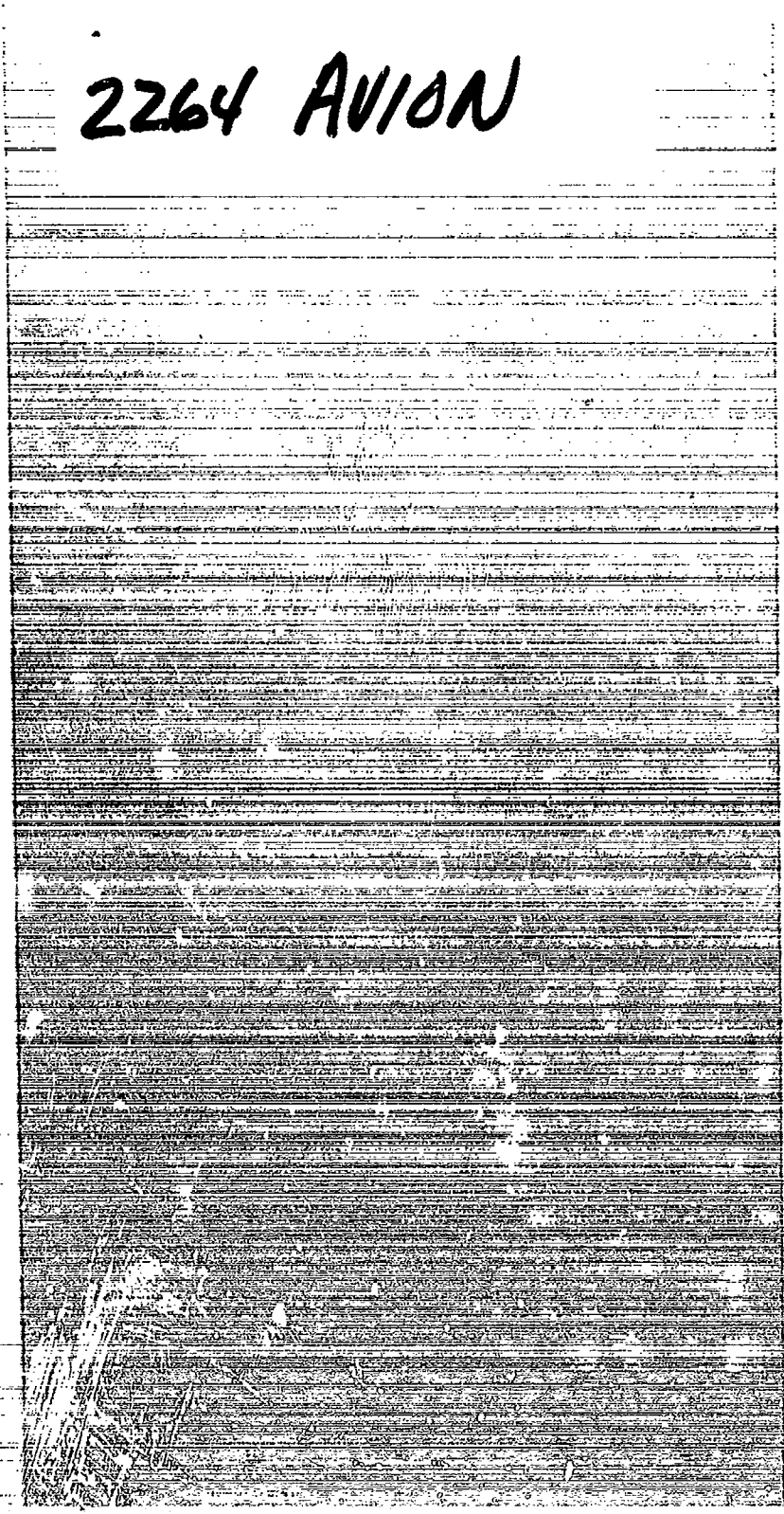
VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described hereon. This permit will expire if work is not started within 180 days or if work is abandoned for more than 180 days.

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS

2264 AVION



TRACT # _____
LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____
APN C/S - 241-C

PC # | VAR. # | DAB/FILE #

BUILDING ADDRESS: 2264 AVION PL.
OWNER: GENERAL ELECTRIC
MAILING ADDRESS: SAME
CITY: ONTARIO | ZIP: | TEL:
CONTRACTOR: RAYCON CORP.
ADDRESS: 7530 #D ALONDRA BLVD
CITY: PARAMOUNT | ZIP: 90723 | TEL: 310-408-1461
STATE LIC. & CLASSIF.: 417175 C-10 | CITY LIC. NO.
ARCH., ENGR., DESIGNER
ADDRESS | TEL.
CITY | ZIP | STATE LIC. NO.

INTENDED PERMIT USE: ELECTRICAL INSTALLATION TO GROUND WATER TREATMENT FACILITY

SQ. FT. SIZE | NO. STORIES | NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-10 License No 417175
Expiration Date 1-31-98 Contractor Signature

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☑ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier [illegible] Expiration Date 4/1/96
Policy Number [illegible]

(This section need not be completed if the permit is for one hundred dollars ($100) or less)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 3-19-96 Applicant:

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____
Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safet. Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above, unless such person has a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3-19-96

DEPARTMENT USE ONLY

Zone M-2

Minimum Setback Distances
_____ Front Setback from Center Line _____ R/W _____
_____ Rear Setback from Rear Property Line
_____ Side Street setback from Center Line _____ R/W _____
_____ Side Setback from Property Line

NOTE: _____

03-19-1996/01-01784/01-32103/$55.00

VALIDATION
When properly validated in this space, this form constitutes a

BUILDING PERMIT FEES

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	5,000.00

PERMIT @	1000	
PLAN CHECK BLDG. DEPT.	1001	
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
MISC.		
TOTAL		

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRIANS		

TOTAL FIXTURES _____ @ $ _____		
WATER HEATERS/POOL • SPA HEATER		
WATER ☐ GAS ☐ PIPING		
PERMIT FEES @		
TOTAL PLUMBING FEES	ACCT. 1100	
HOUSE SEWER @	SEP. PIT / SEPTIC TANK	
PERMIT FEES @		
TOTAL HOUSE SEWER & SANITATION FEES	ACCT. 1200	

ELECTRICAL FEES

OCC. GROUP	@	¢	
SWITCHES, RECEPTACLES	8 @		
LIGHTING FIXTURES	4 @ 7		9 00
SERVICE	@		
NO. MOTORS	4 @		
	5 H.P		30 00
PERMIT FEES @			16 00
TOTAL ELECTIRCAL FEES	ACCT. 1300		55 00

MECH. FEES

HEATING M/BTU		
A/C M/BTU		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. 1400	

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. 1500	

SEWER ASSESSMENT FEES PAID	YES NO	
AVIGATION AGREEMENT REQUIRED	YES NO	

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $ 55.00

PERMIT NO. 105985 DATE 3/19/96

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME	REMARKS	INITIAL
SETBACKS					
FOOTINGS FORMS STEEL DEPTH					
U GRND PLUMBING					
U GRND ELECT conduit(PVC)	3-20-96	B. M			
SLAB GRADE					
ROUGH ELECTRIC					
ROUGH PLUMBING					
PLBG TOP OUT					
ROUGH MECHANICAL					
FLOOR FRAMING					
FLOOR SHEATHING					
ROOF SHEATHING					
ROOF COVERING					
ROUGH FRAMING					
SHEAR PANELS					
CONCRETE PANELS					
CONNECTIONS/POUR STRIP					
ENERGY CONSERVATION					
FIREPLACE-THROAT					
FIREPLACE-BOND BEAM					
FIREPLACE-TOP OUT					
MASONARY BOND BEAM					
LATH-EXTERIOR					
DRY WALL NAIL					
GAS TEST					
POOL STEEL/BOND/LINER					
SPA PLBG./SPA HTG					
POOL FENCE OK TO PLASTER					
ROOF DRAINS					
WATER SERVICE					
SEWER/CESSPOOL/LEACH LINE FINAL					
COMPACTION REPORT					
ROUGH GRADING					
FINAL GRADING					
FINAL PLUMBING					
FINAL ELECTRIC	5-28-96	B. M			
FINAL MECHANICAL					
FINAL BUILDING					
FINAL POOL/SPA					
EDISON CO. CALLED					
GAS CO. CALLED					
OTHER DEPARTMENT REQUIREMENTS					
PLANNING					
ENGINEERING					
POLICE					
FIRE					
PUBLIC FACILITIES					
PUBLIC SERVICES					
TEMP. C.O. ISSUED					
C.O. ISSUED					

SEWER DIAGRAM

2264 [redacted]
Acorn Place

CITY OF ONTARIO
303 EAST "B" STREET ONTARIO

BUILDING AND SAFETY
TEL. (714) 986-1181

TRACT #
LOT #
VAL
DAB/FILE #

BUILDING ADDRESS: 2264 AVION PL.
OWNER: O.E.
MAILING ADDRESS: 1923 AVION PL.
CITY: ONTARIO ZIP: 91761 TEL:
CONTRACTOR: LEED ELECTRIC
ADDRESS: 11907 FRONT ST.
CITY: NORWALK ZIP: 90650 TEL: 868-5771
STATE LIC & CLASS: 379096 C10 CITY LIC NO:
ARCH. ENGR. DESIGNER
ADDRESS TEL
CITY ZIP STATE LIC NO

EXTENDED PERMIT USE: TANK MONITOR 2

NO STORIES | NO DW. UNITS

RESIDENTIAL ☐ COMMERCIAL ☐ INDUSTRIAL ☐
NEW ☐ ADD'N ☐ ALTER ☐ REPAIR ☐ DEMOLITION ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect

SIGNATURE: [signature] DATE: 8/3/88

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improve thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec ____ B & P.C. for this reason ____

Date ____ Owner ____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. WC 2161 Company Liberty 3/6/89

☐ Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 8/3/88

Mailing Address ____

City, State, Zip ____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION

TOTAL VALUATION

PERMIT @	01-32101	
PLAN CHECK @	01-36105	
PARK & REC AQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-215-115	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
TOTAL		

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES @ $			
WATER HEATERS/POOL • SPA HEATER			
WATER ☐ GAS ☐ PIPING			
SOLAR COLLECTORS/TANKS			
PERMIT FEES @			
TOTAL PLUMBING FEES ACCT #01-32102			
HOUSE SEWER @	SEP. PIT	SEPTIC TANK	
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES ACCT. #01-32105			
SWITCHES, RECEPTACLES			
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
OCC. GROUP SQ. FT. @ ¢			
OCC. GROUP SQ. FT. @ ¢			
SERVICE AMPS @			
NO. UNITS TEMP. POWER			
NO. MOTORS ~~Strip~~ liquid Dendor			500
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES @			1000
TOTAL ELECTRICAL FEES ACCT. #01-32103			
HEATING M/BTU A/C M/BTU			
OTHER			
PERMIT FEE @			
TOTAL MECHANICAL FEES ACCT. #01-32104			

GRADING FEES

CUBIC YARDS	CITY OF ONTARIO TOTAL	15.00
TOTAL GRADING FEES ACCT. #01-32106		
SEWER ASSESSMENT FEES PAID YES NO	CASH	15.00
AVIGATION AGREEMENT REQUIRED YES NO		
TOTAL ALL FEES (PAY THIS AMOUNT)		

PERMIT NO. 70767 DATE

VALUATION Form ... A permit is ...

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
FINAL PLUMBING		
FINAL ELECTRIC	2-4-91	
FINAL MECHANICAL		
FINAL BUILDING	2-4-91	
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING

PLANNING

POLICE

PUBLIC SERVICE

ACT. # _____
JT # _____

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

PC. # VAR # DAB/FILE #

JOB ADDRESS 2264 AVION PLACE, ONTARIO

OWNER GENERAL ELECTRIC

MAILING ADDRESS Same

CITY Ontario ZIP TEL

CONTRACTOR Z. AMBON ELECTRIC

ADDRESS 8410 SOMERSET BLVD.

CITY PARAMOUNT, CA ZIP 90723 TEL (213) 633-0783

STATE LIC. & CLASS C10-169089 CITY LIC. NO. 01

ARCHITECT

ADDRESS TEL

CITY ZIP STATE LIC NO

INTENDED PERMIT USE Electrical Conduit for Underground

BLDG SQ. FT. NO. STORIES NO. DW. UNITS

RESIDENTIAL ☐ COMMERCIAL ☐ INDUSTRIAL ☐

NEW ☐ ADD ☐ ALTER ☐ REPAIR ☐ DEMOLITION ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect

SIGNATURE Edward R. Ambon DATE 8/4/88

OWNER – BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B.& P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3700, Labor Code)

Policy No. 73MP 000603 Company Nationwide 4/1/88

☐ Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant Edward R. Ambon Date 8/4/88

Mailing Address _____

City, State, Zip _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PERMIT @	01-32101	
PLAN CHECK @	01-36105	
PARK & REC. AQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-215-116	
SEWER CAPITAL ASSESSMENT FEE @ $850 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
TOTAL		

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES @ $		
WATER HEATERS/POOL • SPA HEATER		
WATER ☐ GAS ☐ PIPING		
SOLAR COLLECTORS/TANKS		
PERMIT FEES @		
TOTAL PLUMBING FEES ACCT #01-32102		
HOUSE SEWER @ SEP PIT SEPTIC TANK		
PERMIT FEES @		
TOTAL HOUSE SEWER & SANITATION FEES ACCT. #01-32105		
SWITCHES, RECEPTACLES		
LIGHTING FIXTURES		
APPLIANCE OUTLETS		
OCC. GROUP SQ. FT. @ ¢		
OCC. GROUP SQ. FT @ ¢		
SERVICE AMPS @		
NO. UNITS TEMP. POWER		
NO. MOTORS		7 50
SWIMMING POOL/SPA ELECTRIC		
PERMIT FEES @		10 00
TOTAL ELECTRICAL FEES ACCT #01-32103		17 50
HEATING M/BTU A/C M/BTU		
OTHER		
PERMIT FEE @		
TOTAL MECHANICAL FEES ACCT #01-32104		

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES ACCT. #01-32		
SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		

CITY OF ONTARIO TOTAL 17 50

TOTAL ALL FEES (PAY THIS AMOUNT)	$ 17 50

PERMIT NO. 70773 DATE 8/4/88

VALIDATION

When properly validated in this space, this form constitutes a permit to do

APPLICATION ONLY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
	2.4.91	BD

TRACT # _____
LOT # _____

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

BY # | VAR # | DAB/FILE #

BUILDING ADDRESS: 2264 Avion Pl

OWNER: C.C. Duncraft Engines

MAILING ADDRESS: 2264 Avion Pl

CITY: Ont | ZIP: 91761 | TEL: 391 5204

CONTRACTOR: Cantrell Concrete Cutting & Sawing ABA All

ADDRESS: 1255 Iowa Corona Cutting

CITY: Bermuda | ZIP: 92[illegible] | TEL: 591 8611

STATE LIC # A-1 K511 1 | CITY LIC NO B-31 984

ARCHITECT ENGINEER DESIGNER

ADDRESS | TEL

CITY | ZIP | STATE LIC NO

PROPOSED USE: Demolition

SQ FT | NO. STORIES | NO DW UNITS

TYPE OF USE: COMMERCIAL ☐ INDUSTRIAL ☐

TYPE OF WORK: ADDITION ☐ ALTERATION ☐ REPAIR ☐ DEMOLITION ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect

[illegible] 4/7/88

SIGNATURE | DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I am exempt under Sec. _____ B&P Code for this reason: _____

I am the owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I am exempt under Sec. _____ B&P Code for this reason: _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. 7923/ Company Fairmont 11/89

Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

WARNING TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [illegible] Date 4/7/88

Mailing Address _____

Date State Zip _____

OCC./TYPE CONST	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
Demo	2400	1.00	2400 00
		TOTAL VALUATION	2400 00

PERMIT @	01-32101	93 50
PLAN CHECK @	01-36105	
PARK & REC. AQUISITION FEE @	07-31901	
EARTHQUAKE FEE @	01-21516	50
SEWER CAPITAL ASSESSMENT FEE @ $950 EA.	28-37210	
SEWER ASSESSMENT FEE @ $75 EA.	28-37211	
TOTAL		93 00

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

PLUMBING FEES

TOTAL FIXTURES	@ $		
WATER HEATERS/POOL • SPA HEATER			
WATER ☐ GAS ☐ PIPING			
SOLAR COLLECTORS/TANKS			
PERMIT FEES @			
TOTAL PLUMBING FEES	ACCT #01-32102		
HOUSE SEWER @	SEP PIT	SEPTIC TANK	
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32102		

ELECTRICAL FEES

SWITCHES, RECEPTACLES			
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
OCC. GROUP	SQ. FT @	¢	
OCC. GROUP	SQ. FT. @	¢	
SERVICE	AMPS @		
NO. UNITS	TEMP POWER		
NO. MOTORS			
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES @			
TOTAL ELECTRICAL FEES	ACCT. #01-32103		

MECH. FEES

HEATING	M/BTU	A/C	M/BTU	
OTHER				
PERMIT FEE @				
TOTAL MECHANICAL FEES	ACCT. #01-32104			

GRADING FEES

CUBIC YARDS		CITY OF ONTARIO
TOTAL GRADING FEES	ACCT. #01-32105	35.00
SEWER ASSESSMENT FEES PAID YES NO		0764111010
AVIGATION AGREEMENT REQUIRED YES NO		

TOTAL ALL FEES (PAY THIS AMOUNT) $ 93 00

PERMIT NO. 68171 DATE 4/7/88

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR

1230 Tower Drive
&
1250

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

0113-261-15

TRACT # _____

LOT # _____

PC # 7-87-8 VAR # Paint & Wallpaper - Interior

BUILDING ADDRESS 1250 TOWER DR

OWNER DEPT. OF AIRPORTS

MAIL ADDRESS 1 WORLD WAY

CITY L.A. ZIP 90009 TEL _____

CONTRACTOR Heath & Co.

ADDRESS 3225 LACY ST

CITY L.A. CA ZIP 90031 TEL (213) 223-4141

STATE LIC & CLASS # 414351 C-45.B CITY LIC NO _____

ARCH. ENGR. DESIGNER _____

ADDRESS _____ TEL _____

CITY _____ ZIP _____ STATE LIC NO _____

INTENDED PERMIT USE WALL LETTERS FOR AIRPORT TOWER

SQ. FT. SIZE _____ NO. STORIES _____ NO. DW. UNITS _____

RESIDENTIAL NEW ADD ALTER REPAIR — COMMERCIAL/INDUSTRIAL NEW ADD ALTER REPAIR

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Lic. # _____ 1/15/87 DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.

☐ I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy # DRUB 114830 Insurance Co. Travelers Date 4-1-87

X Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature _____ 1/15/87 Date

Name _____

City, State, Zip _____

VALIDATION

When property identified on this application has been approved for the issuance of a permit, this application shall become a permit and shall be valid only when signed by the Building Official or his authorized representative.

APPLICATION ONLY ( )

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

QUALITY/TYPE CONST.	SIZE (SQ. FT.)	VAL. ($/SQ. FT.)	VALUATION
		TOTAL VALUATION	2500 00

PERMIT #	01-32101	38 50
PLAN CHECK #	01-36105	25 02
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	50
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
TOTAL		64 02

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ # $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # | SEP. PIT | SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT. # C

OCC. GROUP SQ. FT. # C

SERVICE AMPS #

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT #01-32103

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32105

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 64 02

PERMIT NO. 58908 DATE 1/15/87

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL		
U GRND PLUMBING		
U GRND ELECT		
U GRND MECH		
POOL STEEL/BOND/LINER		
SPA PLBG - SPA HTG		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING	12-5-19	
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO CALLED		
GAS CO CALLED		

CO ISSUED DATE _____

TEMP CO ISSUED DATE _____

CONDITIONS _____

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING		
TRASH BINS		
D A B REQ		
SITE PLAN		
VARIANCE		
C U P		

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 988-1151

013

TRACT # — LOT # —

PC # — VAR # — DAB FILE # N/R

BUILDING ADDRESS 1250 Tower Drive

OWNER LA. Dept of Airports

MAILING ADDRESS #1 Worldway

CITY Los Angeles ZIP 90009 TEL

CONTRACTOR Laird Const Co. Inc

ADDRESS 9460 Lucas Ranch Rd

CITY Rancho Cuc ZIP 91730 TEL 989-5595

STATE LIC & CLASS# 165211 A,B,C-8,C-12,C21 CITY LIC # 006886

ARCH ENGR DESIGNER

ADDRESS TEL

CITY ZIP STATE LIC #

INTENDED PERMIT USE Gate Controller Permit

Supplemental to 59362

SQ FT SIZE NO STORIES NO DW UNITS

RESIDENTIAL NEW ADD'N ACCESSORY BUILDING ALTER REPAIR DEMOLITION

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Karen L. Laird 2/24/87

SIGNATURE DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B & P C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. _____ Company State Fund 7-1-87

X Copy is filed with the City

☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Karen L. Laird Date 2/24/87

Mailing Address 9460 Lucas Ranch Rd

City, State, Zip Rancho Cuc, Calif 91730

VALIDATION

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

	TYPE CONST	SIZE (SQ FT)	VAL (SQ FT)	VALUATION
			TOTAL VALUATION	

PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
TOTAL		

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ # $ _____

WATER HEATERS 'POOL # SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # | SEP PIT | SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT # 01-32105

ELECTRICAL FEES

SWITCHES RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS Gate Controller 2 00

OCC GROUP SQ FT # C

OCC GROUP SQ FT # C

SERVICE AMPS #

NO UNITS TEMP POWER

NO MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES # 3 00

TOTAL ELECTRICAL FEES ACCT #01-32103 5 00

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

CITY OF ONTARIO
TOTAL 5.00
CASH 10.00
6512911101022487

TOTAL ALL FEES (PAY THIS AMOUNT) $ 5 00

PERMIT NO 59709 DATE 2/24/87

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS - FORM / STEEL		
U GRND PLUMBING		
U GRND ELECT		
U GRND MECH		
POOL STEEL BOND BEAM		
SPA PLBG SPA HTG		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER / CESSPOOL / LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING	12-2-88	
FINAL POOL / SPA		
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		

C.O. ISSUED DATE

TEMP C.O. ISSUED DATE

CONDITIONS

INSPECTOR'S NAME _____ INITIAL

REMARKS

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
TRASH BINS	
D.A.B. REQ.	
SITE PLAN	
VARIANCE	
C.U.P.	

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF 91764 TEL (714) 986-1151

TRACT # LOT # 0113 —

FF # VAT # DAR FILE #

BUSINESS ADDRESS: 1250 TOWER

OWNER: DEPT. OF AIRPORTS

MAILING ADDRESS

CITY | ZIP | TEL

CONTRACTOR: SIERRA PACIFIC

ADDRESS: 2542 AVALON ST.

CITY: RIVERSIDE, CA | ZIP: 92509 | TEL

STATE LIC # / CLASS: 264048 C-10 | CITY BUS LIC NO: 044192

ARCHITECT / ENGINEER

ADDRESS | TEL

CITY | ZIP | STATE LIC NO

INTENDED PERMIT USE

SQ FT SIZE | NO STORIES | NO DW UNITS

RESIDENTIAL NEW ADD ALTER REPAIR | COMMERCIAL NEW ADD ALTER REPAIR | INDUSTRIAL NEW ADD ALTER REPAIR

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

SIGNATURE [signature] DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

( ) as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

( ) as owner of the property, and I am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

( ) I am exempt under Sec. _____, B & P C. for the reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3700, Labor Code)

Policy No. BWC 44 6881 Company O.A.C. Expiration Date 6-30-87

X Copy is filed with the City

( ) Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you become subject to the Workers' Compensation provisions of the Labor Code you must forthwith comply with such provisions or this permit shall be revoked immediately.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date _____

Mailing Address _____

City, State, Zip _____

VALIDATION

APPLICATION ONLY

BUILDING DEPARTMENT COPY

OCC. TYPE CONST.	SIZE (SQ FT)	VAL. (SQ FT)	VALUATION
		TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01 215-116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
TOTAL		

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ # $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # SEP PIT SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32103

ELECTRICAL FEES

SWITCHES RECEPTACLES		
LIGHTING FIXTURES	4	2 00
APPLIANCE OUTLETS		
OCC GROUP SQ FT #		
OCC GROUP SQ FT #		
SERVICE AMPS METER PEDESTAL		12 50
NO UNITS TEMP POWER		
NO MOTORS		
SWIMMING POOL/SPA ELECTRIC		
PERMIT FEES #		10 00
TOTAL ELECTRICAL FEES ACCT #01-32104		24 50

MECH. FEES

HEATING M/BTU A/C M BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 24 50

PERMIT NO 59362 DATE 2-5-87

D.C.

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS FORMS - STEEL		
U GRND PLUMBING		
U GRND ELECT		
U GRND MECH		
POOL STEEL - BOND BEAM		
SPA ELEC - SPA HTG		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
ELEC TOP OUT		
FIRE PLACE - THROAT		
FIRE PLACE - BOND BEAM		
FIRE PLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	3-12-87	
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL SPA		
FINAL SOLAR		
EDISON CO CALLED	3-13-87	
GAS CO CALLED		

C.O. ISSUED DATE

TEMP C.O. ISSUED DATE

CONDITIONS

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
TRASH BINS	
D.A.B.E.D.	
SITE PLAN	
VARIANCE	
C.U.P.	

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

TRACT # LOT Mech

PC # 11-89-13 VAR # DAB FILE #

BUILDING ADDRESS ~~1230 TOWER DR.~~

OWNER ONTARIO AIRPORT FIRE STATION

ADDRESS ~~1230 TOWER DR.~~

CITY ONTARIO ZIP 91761 TEL

CONTRACTOR RUSHER AIR CONDITIONING

ADDRESS 19626 So. NORMANDIE AVE.

CITY TORRANCE ZIP 90502 TEL 321-9696

STATE LIC & CLASS # 258423 C20/C4 CITY LIC NO 18782 L

ARCH ENGR DESIGNER

ADDRESS TEL

CITY ZIP STATE LIC NO

INTENDED PERMIT USE MECHANICAL - CHILLER UNIT MODIFICATION

SQ FT SIZE NO STORIES NO DW UNITS

RESIDENTIAL NEW ADD COMMERCIAL ALTER X INDUSTRIAL REPAIR DEMOLITION

LICENSED CONTRACTOR'S DECLARATION

SIGNATURE 7-27-89 DATE

OWNER BUILDER DECLARATION

B & P C for this work

Owner

WORKERS' COMPENSATION DECLARATION

LP 8947017202 FREMONT COMPENSATION

X 7/01/90 ST

CONSTRUCTION LENDING AGENCY

Lender's Address

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Signature of Applicant 7-27-89

Mailing Address 19626 So. NORMANDIE AVE

City State Zip TORRANCE CA. 90502

VALUATION

When property is located in this space, this form constitutes a permit to do the work described below. This permit and copies of plans as noted below shall be kept on the premises and open to inspection by the Building Inspector.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

OCC TYPE CONST	SIZE (SQ FT)	VAL (SQ FT)	VALUATION
		RECEIVED AUG 2 1989	
		TOTAL VALUATION	2,000

PERMIT @		01-32101	
PLAN CHECK @	01-32100	~~01-32105~~	29 25
PARK & REC AQUISITION FEE @		07-31901	
EARTHQUAKE FEE @		01-215-116	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA		28-37210	
SEWER ASSESSMENT FEE @ $75 EA		28-37211	
TOTAL			29 25

PLUMBING FEES

BATHTUBS		DISHWASHER DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES @ $

WATER HEATERS POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS TANKS

PERMIT FEES @

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER @ SEP PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC GROUP SQ FT @ ¢

OCC GROUP SQ FT @ ¢

SERVICE AMPS @

NO UNITS TEMP POWER

NO MOTORS

SWIMMING POOL SPA ELECTRIC

PERMIT FEE @

TOTAL ELECTRICAL FEES ACCT #01-32103

MECH. FEES

HEATING M BTU A C M BTU

OTHER EARTHQUAKE FEE 50

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT #01-32104 45 50

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 74 75

PERMIT NO 7894 DATE 9/29/89

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL		
U GRND PLUMBING		
U GRND ELECT		
U GRND MECH		
POOL STEEL/BOND/LINER		
SPA PLBG /SPA HTG		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECT ONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL	12-5-77	[illegible]
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO CALLED		
GAS CO CALLED		
OTHER DEPARTMENT REQUIREMENTS		
ENGINEERING		
TRASH BINS		
D A B REQ		
SITE PLAN		
VARIANCE		
C U P		

C O ISSUED DATE

TEMP C O ISSUED: DATE

CONDITIONS

INSPECTOR'S NAME _____ INITIAL

REMARKS

SEWER DIAGRAM

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

TRACT # ____ LOT # ____ 0113-

IR # G-87-44 VAR # ____ DAB FILE # ____

BUILDING ADDRESS: 1230 TOWER DR

OWNER: CITY OF LA. DEPT. OF AIRPORTS

ADDRESS: #1 WORLD WAY

CITY: LOS ANGELES ZIP: 90009 TEL: 213-646-6266

CONTRACTOR: BADGER CONST

ADDRESS: 1531 2ND R

CITY: RIVERSIDE ZIP: 92320 TEL: 714-784-9040

STATE LIC. & CLASS#: 44664 B1 CITY LIC. NO: ____

APPLICANT OR DESIGNER: ANTHONY & LANGFORD

ADDRESS: 16152 BEACH BLVD #201 TEL: 714-848-1918

CITY: HUNTINGTON BEACH ZIP: 92647 STATE LIC. NO: C1260

INTENDED PERMIT USE: GRADING FOR FIRE STATION

2430 Cy d c

SQ. FT. SIZE: ____ NO. OF STORIES: ____ NO. OF DW UNITS: ____

RESIDENTIAL: ____ COMMERCIAL: X INDUSTRIAL: ____

NEW: X ADD: ____ ALTER: ____ REPAIR: ____ DEMOLISH: ____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am a licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code and my license is in full force and effect.

Charles D. Nuller 4/25/88

SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I am exempt under Sec. ____ B.& P.C. for the reason ____

Date ____ Owner ____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. CNA 5/1/88

Company ____

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter the above-mentioned property for inspection purposes.

Signature of Applicant: Charles D. Nuller Date: 4/25/88

Mailing Address ____

City, State, Zip ____

BUILDING PERMIT FEES

OCC.	TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
			TOTAL VALUATION	

PERMIT #	01-32101	
PLAN CHECK # 2430 cy	01-36105	30 00
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
TOTAL		30 00

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES ____ # $ ____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # | SEP PIT | SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32104

ELECTRICAL FEES

SWITCHES/RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT. # C

OCC. GROUP SQ. FT. # C

SERVICE AMPS #

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT #01-32103

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS 2430 c.y. CITY OF ONTARIO 165.3

TOTAL GRADING FEES ACCT #01-32106 165.

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 165 00

PERMIT NO. 68505 DATE 4/25/88

VALIDATION

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS
FINAL GRADING	12-5-89	B Hayden	

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

TRACT # _____

LOT # _____

PC # _____ VAR # _____ DAB FILE # _____

BUILDING ADDRESS: 1230 Tower Drive

OWNER: L.A. Dept of Airports

MAILING ADDRESS: _____

CITY: L.A. ZIP: _____ TEL: _____

CONTRACTOR: R.C. Sewer Plumbing

ADDRESS: 12545 Bristol Ct.

CITY: Chino ZIP: 91710 TEL: 714/628-5230

STATE LIC. & CLASS: 506842 C-36 CITY LIC. NO: 19312 L

ARCH. ENGR. DESIGNER: _____

ADDRESS: _____ TEL: _____

CITY: _____ ZIP: _____ STATE LIC. NO: _____

INTENDED PERMIT USE: Plumbing Permit for Tenant Improvements

SQ. FT. USE: _____ NO. STORIES: _____ NO. DW. UNITS: _____

RESIDENTIAL: _____ COMMERCIAL: X INDUSTRIAL: _____

NEW: _____ ADD: _____ ALTER: _____ REPAIR: _____ DEMOLITION: _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

R.C. Sch 5/9/88

SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner builder will have the burden of proving that he did not build or improve for the purpose of sale.).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3700 Labor Code).

Policy No. UC 5126388 Company: Unigard Security

Copy is filed with the City: X (Certified copy or Receipt number) CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE 1-8-89

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name: _____

Lender's Address: _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant: R.C. Sch Date: 5/9/88

Mailing Address: 12545 Bristol Ct.

City, State, Zip: Chino, Ca. 91710

VALUATION

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

OCC.	TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
			TOTAL VALUATION	

PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
	TOTAL	

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	2
SHOWERS	9	CLOTHES WASHERS	
WATER CLOSETS	9	DRINK. FOUNTAINS	2
LAVATORIES	11	URINALS	3
SINKS	6	INTERCEPTORS	1
		DRAINS	4

TOTAL FIXTURES 45 # $ 4.00		180 00
WATER HEATERS / POOL / SPA HEATER 2		19 00
WATER X GAS X PIPING		7 00
SOLAR COLLECTORS/TANKS		
PERMIT FEES #		10 00
TOTAL PLUMBING FEES ACCT #01-32102		204 00
HOUSE SEWER # 1 / SLP PIT / SEPTIC TANK		10 00
PERMIT FEES #		10 00
TOTAL HOUSE SEWER / SEPTIC FEES ACCT #		20 00

ELECTRICAL FEES

SWITCHES, RECEPTACLES		
LIGHTING FIXTURES		
APPLIANCE OUTLETS		
OCC. GROUP SQ. FT. # C		
OCC. GROUP SQ. FT. # C		
SERVICE AMPS #		
NO. UNITS TEMP. POWER		
NO. MOTORS		
SWIMMING POOL/SPA ELECTRIC		
PERMIT FEES #		
TOTAL ELECTRICAL FEES ACCT #01-32103		

MECH. FEES

HEATING M/BTU A/C M/BTU		
OTHER		
PERMIT FEE #		
TOTAL MECHANICAL FEES ACCT #01-32104		

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES ACCT #01-32106		24 00

SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		
TOTAL ALL FEES (PAY THIS AMOUNT)		$ 224 00

PERMIT NO. 69394 DATE 5-11-88 CF

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
TRACKS		
[illegible]		
[illegible]		
[illegible]		
GAS GAUGE		
[illegible]		
[illegible]	5-16-89	[illegible]
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
ROOF COVERING		
FIREPLACE THROAT		
FIREPLACE LINTEL BEAM		
FIREPLACE HEARTH		
MASONARY BOND BEAM		
LATH INTERIOR		
LATH EXTERIOR		
DRY WALL NAIL		
AIR TEST		
[illegible]		
[illegible]		
[illegible]		
FLOOR DRAINS		
WATER SEWER		
SEWER LESSOR/TEACHER LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING	6-14-89	[illegible]
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL SPA		
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING		
FIRE		
PLANNING		
POLICE		
PUBLIC SERVICE		
C.O. ISSUED		

INSPECTION NOTES — INITIAL

REMARKS

Ground plmg line 9-12 ok 6/16/89 CEP

Wash down area plmg & sewer ok 6/16/89

SEWER DIAGRAM

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL (714) 986-1151

TRACT # / LOT # / C113-

M-88-90 VAR # / DAB/FEE # /

1230 Tower Drive
Ontario Int'l Airport

MAILING ADDRESS Same

CITY Ontario ZIP 91761 TEL

CONTRACTOR Automotive Equip Installers

ADDRESS 5025 State Street #4

CITY Ontario ZIP 91761 TEL 627659

STATE LIC. & CLASS# 507957-B CITY LIC. NO —

ARCH. ENGR. DESIGNER Same as Above

ADDRESS TEL

CITY ZIP STATE LIC. NO.

INTENDED USE Install Underground Tanks (3)

SQ FT GRS STORIES NO. DW UNITS

RESIDENTIAL NEW ADD'N ALT'D REPAIR COMMERCIAL NEW ADD'N ALT'D REPAIR INDUSTRIAL NEW ADD'N ALT'D REPAIR

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

X [signature] Owner 5/31/88
SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. B.& P.C. for this reason

Date Owner

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3700 Labor Code)

Policy # WC500652-0 Company National 11/24/88

X Copy is filed with the City

Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender

Address

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant X [signature] Owner Date 5/31/88

Mailing Address

City, State, Zip

VALUATION

When property is valuated at this level, this permit is subject to the above described terms. This permit and [illegible] of the started [illegible] or if work is suspended or abandoned for more than [illegible] days.

DESCRIPTION	TYPE CONST	SIZE (SQ FT)	VAL (SQ FT)	VALUATION
			TOTAL VALUATION	25,000

BUILDING PERMIT FEES

PERMIT #	01-32101	250 00
PLAN CHECK #	01-36105	163 80
PARK & REC AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-21518	3 75
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
	TOTAL	417 55

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES # $

WATER HEATERS/POOL ● SPA HEATER

WATER ( ) GAS ( ) PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # SEP PIT SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER/PRIVATE SEWAGE DISPOSAL FEES

ELECTRICAL FEES

SWITCHES RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

C.O.C. GROUP SQ FT # ¢

C.O.C. GROUP SQ FT # ¢

SERVICE AMPS #

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT #01-32103

MECH. FEES

HEATING M-BTU A-C M-BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 417 55

PERMIT NO. 7C183 DATE 5/31/88

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
STAKES		
FOOTINGS/FORMS/STEEL/DEED		
UNDER PLUMBING		
UNDER ELECT	4-25-09	DJP
SLAB/GRADE		
ROUGH ELECTRIC		
ROUGH PLUMBING		
GAS TOP OUT		
ROUGH MECHANICAL		
SHEAR/TRAMPA/SHEATHING		
ROUGH FRAMING		
ROOF SHEATHING		
INSP/CONCRETE/PANELS		
CONNECTORS/HOLDOWNS/STRAP		
ENERGY CONSERVATION		
TIE TO COVER WALLS		
ROOF COVERING		
FIRE PLACE/HEARTH		
FIRE PLACE/BUNKER BEAM		
FIRE PLACE/TOP OUT		
MASONRY BOND BEAM		
LATH/INSUL/GYP		
ATTIC INSPECTION		
EXT WALL NAIL		
LATH/TEST		
FINAL STEEL BOND UNDER		
PLASTER/STUCCO		
FINAL PENCIL/PLASTER		
SOIL DRAINS		
WATER SERVICE		
SEWER LEAD/LEACH LINE PVC		
CONNECTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING	9-14-09	[illegible]
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO CALLED		
GAS CO CALLED		

INSPECTOR'S NAME	INITIA.	REMARKS

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
FIRE	
PLANNING	
POLICE	
PUBLIC SERVICE	
CO ISSUED	

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF 91764 TEL (714) 986-1151

TRACT # _____ LOT # _____ 0113-

PC # L-87-18 VAR # — DAB FEE # —

BUILDING ADDRESS: 1230 TOWER DRIVE

OWNER: CITY OF L.A. DEPT. OF AIRPORTS

ADDRESS: 1 WORLD WAY

CITY: LOS ANGELES ZIP: 900[illegible] TEL: (213) 646-6446

CONTRACTOR: Badger Construction

ADDRESS: 1531 7th Street

CITY: Riverside ZIP: 92507 TEL: (714) 781-9040

STATE LIC # & CLASS: 446464 B-1 CITY LIC NO:

ARCH/ENGR DESIGNER: ANTHONY + LANGFORD / ARCHITECTS

ADDRESS: 16152 BEACH BLVD. #201 TEL: (714) 848-1918

CITY: HUNTINGTON BEACH ZIP: 92647 STATE LIC NO: C 1260

INTENDED PERMANENT USE: AIRPORT FIRE STATION

SQ FT SIZE: 17,868 NO STORIES: 2 NO DAY UNITS: ⊖

RESIDENTIAL: NEW X ADD'N ALT'N | COMMERCIAL: X | INDUSTRIAL: ADD'N ALT'N

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Signature: Clark D. Smith Date: 4/25/88

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec _____ B & P C. for the reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. C.N.A. Company 5/1/88

X I have filed with the City

CERTIFICATE OF EXEMPTION
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I am providing information for the purpose of notification of recording (Sec. 3097, Civil Code):

Name _____

Address _____

I agree to maintain the labor and materials payment bond and the contract, if any, required by the lending agency for the above mentioned project.

Signature: Clark D. Smith Date: 4/25/88

Name of Applicant _____

Mailing Address _____

City, State, Zip _____

VALIDATION

When properly validated, this form is a permit to construct the work described herein. It expires by limitation and becomes void if the work authorized by this permit is not commenced within 180 days from the date of issuance, or if the work is suspended or abandoned for a period of 180 days after the work is commenced.

BUILDING PERMIT FEES

TYPE CONST	SQ FT	VALUATION	TOTAL VALUATION
V-N/S.P.	17,868	55.40	989,887.20

PERMIT #	01-32101		350 50
PLAN CHECK #	01-36105		228 17
PARK & REC. AQUISITION FEE #	07-31901		
EARTHQUAKE FEE #	1215	148	148 49
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210		6403 00
SEWER ASSESSMENT FEE # $75 EA	28-37211		505 50
		TOTAL	12847 66

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	2
SHOWERS	9	CLOTHES WASHERS	
WATER CLOSETS	7	DRINK FOUNTAINS	2
LAVATORIES	11	URINALS	3
SINKS	6	INTERCEPTORS	
		DRAINS - floor	1

TOTAL FIXTURES 41 @ $ 4.00		164 00
WATER HEATERS / POOL & SPA HEATER 2 -		10 00
WATER X GAS X PIPING		4 00
SOLAR COLLECTORS/TANKS		
PERMIT FEES #		10 00
TOTAL PLUMBING FEES	ACCT #01-32102	188 00
HOUSE SEWER # 1 SEP PIT SEPTIC TANK		
PERMIT FEES #		10 00
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32103	10 00

ELECTRICAL FEES

SWITCHES/RECEPTACLES 235			
LIGHTING FIXTURES 326 + 8 ext.			174 70
APPLIANCE OUTLETS 38			76 00
O.V.C. GROUP SQ FT # @			
O.C.C. GROUP SQ FT # @			
SERVICE AMPS 800 #			50 00
NO. UNITS 45 KW Heater/Water			
NO. MOTORS			
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES #			10 00
TOTAL ELECTRICAL FEES	ACCT #01-32104		310 70

MECH. FEES

HEATING 1225 BTU 35 T C M/BTU		15 00
OTHER		
PERMIT FEE #		10 00
TOTAL MECHANICAL FEES	ACCT #01-32104	25 00

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT #01-32106	

SEWER ASSESSMENT FEES PAID (YES) NO

AVIGATION AGREEMENT REQUIRED YES (NO)

CITY OF ONTARIO
TOTAL 13381 36
CHECK 3381 36
116221 0104 2800

TOTAL ALL FEES (PAY THIS AMOUNT) $ 13381 36

PERMIT NO 68502 DATE 4/29/88

APPLICATION ONLY — BUILDING & SAFETY DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS - FORMS - STEEL ★		
U GRND PLUMBING		
U GRND ELECT	5-24-89	B. Patrick
U GRND MECH		
POOL STEEL/BOND LINER		
SPA PLBG - SPA HTG		
SLAB GRADE 4	2/1/89	C Sey
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC 2nd FLOOR		
ROUGH MECHANICAL 4		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST 9/26/89 CS		
POOL FENCE		
OK TO PLASTER POOL		
STRAP T. Bar Ceiling (TB)		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL	12-1-89	
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO CALLED	8-16-89	C. Frazier
GAS CO CALLED	9-19-89 (GG)	

OTHER DEPARTMENT REQUIREMENTS
ENGINEERING
TRASH BINS
D.A.B. REQ
SITE PLAN
VARIANCE
CUP

A-5-16-89 roof & Kitchen area from Hard Shell

CERTIFICATE DATE

TEMP. CERTIFICATE DATE

COMMENTS

(TB) 2nd Floor ok 7-19-89 CB

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

★ See plans 6/1/89 C Sey
6/21/89 C Sey

★ See approved plans 11/28/88 B. Patrick

★ " " " 12/5/88 B. Patrick

Beam & wall stirrup to 8' 7/3/89 C Sey

also 11 Steel as on plan 7/26/89 C Sey

7-28-89 see approved plan as to pool enclosure and also steel footings B Patrick

9/6 - See approved plans 8/10/89 CB

9/8/89 See plans & corrected ok to date C Sey

9/13/89 See corr on approved plans 5-2 C Sey

10-3-89 ok to grout per approved plans

10-3-89 ok to grout 8' lift as on plans

12/6/89 " " 16' as on plans C Sey

10-3-89 OK to Grout 16' Lift as Above

OK WE Johnson

SEWER DIAGRAM

1-5-89 ok to Grout as marked

28' Lift ok to grout 4-24-89 C Sey TW Lift

32 Lift as on plans 1/31/89 C Sey

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL (714) 986-1151

TRACT # _____

LOT # _____

PC # _____ VAR # _____ DAB/FILE # _____

BUILDING ADDRESS: 1230 TOWER DRIVE

OWNER: ONTARIO AIRPORT

MAILING ADDRESS: SAME

CITY: ONTARIO | ZIP: | TEL:

CONTRACTOR: BADGER COAST

ADDRESS: 1531 2ND STREET

CITY: RIVERSIDE CA. | ZIP: 92507 | TEL: 714 784-9040

STATE LIC & CLASS#: 446664 | CITY BUS LIC

ARCH. ENGR. DESIGNER: ANTHONY & LANGFORD

ADDRESS: 12249 BEACH BLVD | TEL:

CITY: HUNTINGTON BEACH | ZIP: 92182 | STATE LIC NO.

INTENDED PERMIT USE: TEMP. ELECTRICAL POWER

SQ. FT. SIZE: — | NO. STORIES: — | NO. OF LIVING UNITS:

RESIDENTIAL: NEW ☐ ADD ☐ ALTER ☐ | COMMERCIAL: NEW ☒ ADD ☐ ALTER ☐ | INDUSTRIAL: NEW ☐ ADD ☐ ALTER ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Mark D. Miller 6/9/88

SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5 Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. 6372 Company CNA Exp. 5-1-89

X Copy is filed with the City.

☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 6/8/88

Mailing Address _____

City, State, Zip _____

VALIDATION

When properly validated at this space, this form constitutes a permit to do [illegible]

BUILDING PERMIT FEES

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
	TOTAL	

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES	# $		
WATER HEATERS/POOL • SPA HEATER			
WATER ☐ GAS ☐ PIPING			
SOLAR COLLECTORS/TANKS			
PERMIT FEES #			
TOTAL PLUMBING FEES	ACCT #01-32102		
HOUSE SEWER #	SEP PIT	SEPTIC TANK	
PERMIT FEES #			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105		

ELECTRICAL FEES

SWITCHES RECEPTACLES			
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
OCC. GROUP	SQ. FT. #	C	
OCC. GROUP	SQ. FT. #	C	
SERVICE	AMPS #		
NO. UNITS 1	TEMP. POWER		10 00
NO. MOTORS 5			35 00
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES #			10 00
TOTAL ELECTRICAL FEES	ACCT #01-32103		45 00

MECH. FEES

HEATING M/BTU	A/C M/BTU		
OTHER			
PERMIT FEE #			
TOTAL MECHANICAL FEES	ACCT #01-32104		

GRADING FEES

CITY OF ONTARIO

CUBIC YARDS	TOTAL	45.00
TOTAL GRADING FEES ACCT #01-32	CASH	45.00
SEWER ASSESSMENT FEES PAID YES NO	2002	1010 1365
AVIGATION AGREEMENT REQUIRED YES NO		

TOTAL ALL FEES (PAY THIS AMOUNT) $ 45 00

PERMIT NO. 1[illegible] DATE 6/8/88

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
[illegible]		
[illegible]		
[illegible]		
[illegible]		
AR GRADE		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
FLOOR FRAMING SHEATHING		
ROOF FRAMING		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
FIREPLACE THROAT		
FIREPLACE BOND BEAM		
FIREPLACE TOP OUT		
[illegible]		
LATH INTERIOR		
LATH EXTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL STEEL/BOND LINER		
SPA PEBO SPATTER		
POOL FENCE OR TO FENCE		
ROOF DRAINS		
WATER SERVICE		
SEWER DISPOSAL/LEACH LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	6-15-88	
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO CALLED	6-16-88	
GAS CO CALLED		

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
FIRE	
PLANNING	
POLICE	
PUBLIC SERVICE	
CO ISSUED	

REMARKS

SEWER DIAGRAM

RECEIVED
AUG 18 1989
City of Ontario
Public Services Agency

Parks 4-20-90

12-4-89
4-20-90

INTER-OFFICE COMMUNICATION

City of Ontario

DATE: 8-17-89

FROM:
- ☐ Joyce Babicz, City Planner
- ☐ Leroy Bender, City Engineer
- ☐ M. Macias, Police Department
- ☐ William Alexander, Captain, Fire Safety Control Division
- ☐ Jonelle Malloy, Public Facilities Development Coordinator
- ☐ Paul Gomez, Senior Administrative Assistant

SUBJECT: Fire Station

☐ Occupancy Clearance for 1230 Vauxhall Dr. (Street address) _____ (D.A.B.)

☐ Tract Clearance for _____ (Tract #) _____ (Lots) _____ (Phase #)

Contractor/Representative _____ Phone # _____

RETURN TO BUILDING DEPARTMENT

TO: Kenneth Gilman, Building Official

All conditions of Approval for Occupancy have been met.

DATE April 20, 1990

Signature

Title

Department

RECEIVED
AUG 1 8 1989

Parks 4-20-90

12-4-89
4-20-90

INTER-OFFICE COMMUNICATION

City of Ontario

DATE: 8-17-89

FROM:
- ☐ Joyce Babicz, City Planner
- ☐ Leroy Bender, City Engineer
- ☐ M. Macias, Police Department
- ☐ William Alexander, Captain, Fire Safety Control Division
- ☐ Jonelle Malloy, Public Facilities Development Coordinator
- ☐ Paul Gomez, Senior Administrative Assistant

SUBJECT: Fire Station

☐ Occupancy Clearance for 1220 Locust Ln. _____
Street address D.A.B.

☐ Tract Clearance for _____ _____ _____
Tract # Lots Phase #

Contractor/Representative _____ Phone # _____

_____

_____

RETURN TO BUILDING DEPARTMENT

TO: Kenneth Gilman, Building Official

All conditions of Approval for Occupancy have been met.

DATE April 20, 1990

Signature

Title

Department

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

TRACT # LOT # BLK

DWELLING # FIRE STATION @ ONTARIO AIRPORT
1230 TOWER DR.
CITY of ONTARIO

MAILING ADDRESS CITY ZIP TEL

CONTRACTOR G & G INC.
ADDRESS 7356 FULTON AVE. (818)
CITY N. HWD. ZIP 91605 TEL 503-1200
STATE LIC. # & CLASS 458782 C-16 GROUP # 264661

ARCHITECT/ENGINEER ADDRESS CITY ZIP TEL

OWNER'S INSTRUCTIONS FIRE SPRINKLER SYSTEM

NEW CONSTRUCTION

OCC./TYPE CONST	SIZE (SQ FT)	VAL./SQ FT	VALUATION
		TOTAL VALUATION	20,150

BUILDING PERMIT FEES

PERMIT #	01-32101	391	CC
PLAN CHECK #	01-38105	129	15
PARK & REC ACQUISITION FEE #	07-31901		
EARTHQUAKE FEE #	01-215	4	61
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210		
SEWER ASSESSMENT FEE # $75 EA	28-37211		
	TOTAL	484	76

PLUMBING FEES

BATHTUBS		DISHWASHER DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	
TOTAL FIXTURES	# $		
WATER HEATERS/POOL & SPA HEATER			
WATER [ ] GAS [ ] PIPING			
SOLAR COLLECTORS/TANKS			
PERMIT FEES #			
TOTAL PLUMBING FEES	ACCT #		
HOUSE SEWER #	SEP PIT	SEPTIC TANK	
PERMIT FEES #			
TOTAL HOUSE SEWER & CAPITATION FEES	ACCT #		

ELECTRICAL FEES

SWITCHES/RECEPTACLES			
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
O.C. GROUP	SQ FT		
O.C. GROUP	SQ FT		
SERVICE	AMPS		
NO. UNITS	TEMP POWER		
NO. MOTORS			
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES #			
TOTAL ELECTRICAL FEES	ACCT #		

MECH. FEES

HEATING M/BTU	A/C M BTU		
OTHER			
PERMIT FEE #			
TOTAL MECHANICAL FEES	ACCT #		

GRADING FEES

CITY OF ONTARIO
TOTAL 484.76
CHECK 484.76
1788:111010027:85

CUBIC YARDS

TOTAL GRADING FEES ACCT # [illegible]

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 484 | 76

PERMIT NO 17874 DATE 5-27-88

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Lic. # [illegible] Classification [illegible]

[signature] 5-27-88
SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or through his own employees, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

I am exempt under Sec. _____ B.&P.C. for this reason

DATE OWNER

WORKER'S COMPENSATION DECLARATION

I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are RP9580 FAIRMONT 2-10-89

Certificate of Exemption filed with the Director of Industrial Relations.

Where there is no employees, the performance of the work for which this permit is issued shall not subject any person or any employer to the workers' compensation laws of California.

I agree that in the event that I should employ any person in any manner so as to become subject to the workers' compensation laws of California, I will forthwith comply with the provisions of said laws and file a certificate of compliance with the City.

I HEREBY AFFIRM THAT I AM LICENSED UNDER PROVISIONS OF CHAPTER 9 (COMMENCING WITH SECTION 7000) OF DIVISION 3 OF THE BUSINESS AND PROFESSIONS CODE AND MY LICENSE IS IN FULL FORCE AND EFFECT, OR THAT I AM EXEMPT THEREFROM, AND THAT MY WORKERS' COMPENSATION INSURANCE CARRIER AND POLICY NUMBER ARE AS DECLARED ABOVE. I AGREE THAT IF I EMPLOY ANY PERSON OR PERSONS IN ANY MANNER SO AS TO BECOME SUBJECT TO THE WORKERS' COMPENSATION LAWS OF CALIFORNIA, I SHALL FORTHWITH COMPLY WITH THE PROVISIONS OF SAID LAWS AND FURNISH A CERTIFICATE OF COMPLIANCE TO THE CITY BEFORE THE COMMENCEMENT OF THE WORK. I UNDERSTAND THAT FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE AS REQUIRED BY LAW IS UNLAWFUL AND SHALL SUBJECT ME TO STOP WORK ORDER OF THE ENTIRE BUILDING OR STRUCTURE UNTIL COMPLIANCE IS OBTAINED. I UNDERSTAND THAT MY FAILURE TO COMPLY WITH ONE OF THE FOREGOING REQUIREMENTS MAY SUBJECT ME TO A FINE UP TO ONE HUNDRED DOLLARS ($100) OR IMPRISONMENT IN THE COUNTY JAIL NOT EXCEEDING 90 DAYS, OR BOTH. I UNDERSTAND THAT THIS PERMIT SHALL BE VOID AND SUBJECT TO REVOCATION IF I FAIL TO COMPLY WITH THE ABOVE PROVISIONS.

CONSTRUCTION LENDING AGENCY

The undersigned Owner hereby appoints the following lender to advise the City of Ontario that the above mentioned property is security for a construction loan.

Lender

Address

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

[signature] 5-27-88
Signature of Applicant Date

7356 FULTON AVE.
Mailing Address
N. HWD. 91605
City State Zip

VALIDATION

When properly validated on this face, this permit becomes a permit to do the work described hereon. This permit will expire if work is not started within 180 days from the date of issuance or if work is abandoned for more than 180 days after work is started.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1131

TRACT # ____ LOT # ____ PLOT ____ UNIT ____ DWG/FILE # 31-____

BUILDING ADDRESS: FIRE STATION @ ONTARIO AIRPORT
1230 TOWER DR.
CITY of ONTARIO

MAILING ADDRESS ____ CITY ____ ZIP ____ TEL ____

CONTRACTOR: G & G INC.
ADDRESS: 7356 FULTON AVE. (818)
CITY: N. HWD. ZIP: 91605 TEL: 503-1200
STATE LIC. & CLASS#: 458782 C-16 CITY BUS. LIC. NO: 264661

ARCH. ENGR. DESIGNER ____ ADDRESS ____ TEL ____ CITY ____ ZIP ____ STATE LIC. NO ____

INTENDED PERMIT USE: FIRE SPRINKLER SYSTEM

SQ. FT. SIZE ____ NO. STORIES ____ NO. DW. UNITS ____

RESIDENTIAL ( ) COMMERCIAL ( ) INDUSTRIAL ( )
NEW ( ) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLITION ( )

LICENSED CONTRACTOR'S DECLARATION

I ____ a duly Licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

SIGNATURE ____ DATE 5-27-88

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for the permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

( ) I as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

( ) I as owner of the property am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

( ) I am exempt under Sec. ____ B & P.C. for this reason ____

Date ____ Owner ____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certificate of exemption from the Labor Code.

Policy No. 47880 Company FAIRMONT

( ) Copy is filed with the City.

Certificate of Exemption from Workers' Compensation Insurance 2-10-89

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3691, Civil Code).

Lender ____

Lender ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant ____ 5-27-88

Mailing Address 7356 FULTON AVE.

City, State, Zip N. HWD. 91605

VALIDATION

When properly validated or otherwise, this form constitutes a permit to do the work described hereon. This permit and plans if any are void unless work is started within 180 days or is abandoned for more than 180 days.

BUILDING PERMIT FEES	OCC./TYPE CONST.	BLD. (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
			TOTAL VALUATION	20,750
PERMIT #			01-32101	141 CC
PLAN CHECK #			01-36105	129 15
PARK & REC AQUISITION FEE #			07-31901	
EARTHQUAKE FEE #			01-215 118	4 61
SEWER CAPITAL ASSESSMENT FEE # $950 EA			28-37210	
SEWER ASSESSMENT FEE # $75 EA			28-37211	
			TOTAL	484 76

PLUMBING FEES		
BATHTUBS		DISHWASHER/DISPOSAL
SHOWERS		CLOTHES WASHERS
WATER CLOSETS		DRINK FOUNTAINS
LAVATORIES		URINALS
SINKS		INTERCEPTORS
		DRAINS
TOTAL FIXTURES	# $	
WATER HEATERS/POOL # SPA HEATER		
WATER ( ) GAS ( ) PIPING		
SOLAR COLLECTORS/TANKS		
PERMIT FEES #		
TOTAL PLUMBING FEES		ACCT #01-32102
HOUSE SEWER #		SEPTIC TANK
PERMIT FEES #		
TOTAL HOUSE SEWER & SEPTIC TANK		ACCT #

ELECTRICAL FEES			
SWITCHES/RECEPTACLES			
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
OCC. GROUP	SQ. FT.	#	¢
OCC. GROUP	SQ. FT.	#	¢
SERVICE	AMPS	#	
NO. UNITS	TEMP. POWER		
NO. MOTORS			
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES #			
TOTAL ELECTRICAL FEES			ACCT #

MECH. FEES			
HEATING	M/BTU	A/C	M/BTU
OTHER			
PERMIT FEE #			
TOTAL MECHANICAL FEES			ACCT #

GRADING FEES		
CUBIC YARDS		
TOTAL GRADING FEES	ACCT #	

CITY OF ONTARIO
TOTAL 484.76
CHECK 484.76

SEWER ASSESSMENT FEES PAID YES NO

IRRIGATION AGREEMENT REQUIRED YES NO

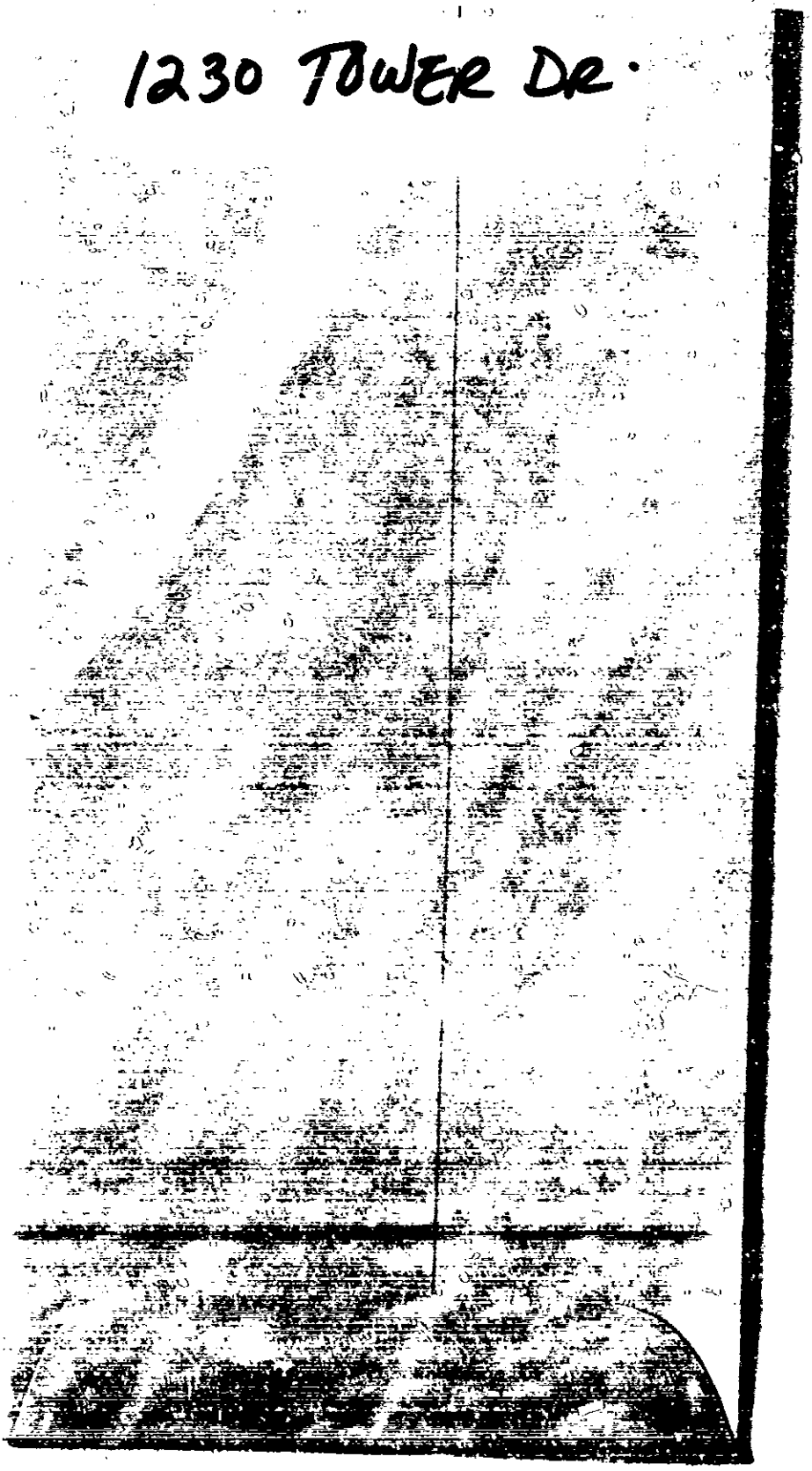
TOTAL ALL FEES (PAY THIS AMOUNT) $ 484 74

PERMIT NO. 77874 DATE 5-27-88

APPLICATION ONLY

BUILDING DEPARTMENT COPY

1230 TOWER DR.



ENGINEERED GRADING INSPECTION REPORT

Owner City of Los Angeles Dept of Engineers Permit No 68505

Job Address or Tract No. 1230 Tower Drive

☐ ROUGH GRADING INSPECTION

☐ BY SOILS ENGINEER

Fills were installed upon properly prepared base material and compacted in compliance with Section 7010, U.B.C. and where the report of an engineering geologist has recommended the installation of buttress fills or other measures, such work has been completed in accordance with the approved design.

Lot Nos. _____

See attached report for compaction test data, recommended allowable soil bearing values and other special recommendations.

EXPANSIVE SOILS ☐ Yes ☐ No Lot Nos. _____

Remarks _____

Engineer _____ Reg. No _____ Phone No. _____ Date _____
Signature

☐ BY GRADING ENGINEER

The rough grading has been completed in accordance with the approved plans including: grading to approximate final elevations, property lines staked, swales and terraces ready for paving, berms installed, and required drainage slopes provided; and where reports of an engineering geologist and/or soils engineer have been prepared, the recommendations contained therein have been followed.

Lot Nos. _____

RECEIVED
CITY OF ONTARIO
DEC 05 1989
BUILDING DEPARTMENT

Remarks _____

Engineer _____ Reg. No _____ Phone No. _____ Date _____
Signature

☒ FINAL GRADING INSPECTION

The grading has been satisfactorily completed in accordance with the approved plans. All required drainage devices have been installed, slope planting established and adequate provisions have been made for drainage of surface waters from each building site. The recommendations of the soils engineer and/or engineering geologist (if such reports were employed) have been incorporated in the work.

Lot Nos. 1230 TOWER DRIVE

Remarks NONE

Engineer G. Kavanagh Reg. No. C-15249 Phone No (213) 696-5700 Date 12/1/89
Signature

DEPARTMENT USE ONLY:

Report approved by _____ Date _____

Remarks _____

1230 Tower Drive
&
1250

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

0113-261-15

TRACT # _____

LOT # _____

PC # 7-87-8 VAR # Paint & Wallpaper - Interior

BUILDING ADDRESS 1250 TOWER DR

OWNER DEPT. OF AIRPORTS

MAIL ADDRESS 1 WORLD WAY

CITY L.A. ZIP 90009 TEL _____

CONTRACTOR Heath & Co.

ADDRESS 3225 LACY ST

CITY L.A. CA ZIP 90031 TEL (213) 223-4141

STATE LIC & CLASS # 414351 C-45.B CITY LIC NO _____

ARCH. ENGR. DESIGNER _____

ADDRESS _____ TEL _____

CITY _____ ZIP _____ STATE LIC NO _____

INTENDED PERMIT USE WALL LETTERS FOR AIRPORT TOWER

SQ. FT. SIZE _____ NO. STORIES _____ NO. DW. UNITS _____

RESIDENTIAL NEW ADD ALTER REPAIR — COMMERCIAL/INDUSTRIAL NEW ADD ALTER REPAIR

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Lic. # _____ 1/15/87 DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.

☐ I am exempt under Sec. _____ B & P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy # DRUB 114830 Insurance Co. Travelers Date 4-1-87

X Copy is filed with the City ☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature _____ 1/15/87 Date

Name _____

City, State, Zip _____

VALIDATION

When property identified on this application has been approved for the issuance of a permit, this application shall become a permit and shall be valid only when signed by the Building Official or his authorized representative.

APPLICATION ONLY ( )

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

QUALITY/TYPE CONST.	SIZE (SQ. FT.)	VAL. ($/SQ. FT.)	VALUATION
		TOTAL VALUATION	2500 00

PERMIT #	01-32101	38 50
PLAN CHECK #	01-36105	25 02
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	50
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
TOTAL		64 02

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ # $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # | SEP. PIT | SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT. # C

OCC. GROUP SQ. FT. # C

SERVICE AMPS #

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT #01-32103

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32105

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 64 02

PERMIT NO. 58908 DATE 1/15/87

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL		
U GRND PLUMBING		
U GRND ELECT		
U GRND MECH		
POOL STEEL/BOND/LINER		
SPA PLBG - SPA HTG		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING	12-5-19	
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO CALLED		
GAS CO CALLED		

CO ISSUED DATE _____

TEMP CO ISSUED DATE _____

CONDITIONS _____

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING		
TRASH BINS		
D A B REQ		
SITE PLAN		
VARIANCE		
C U P		

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 988-1151

013

TRACT # — LOT # —

PC # — VAR # — DAB FILE # N/R

BUILDING ADDRESS 1250 Tower Drive

OWNER LA. Dept of Airports

MAILING ADDRESS #1 Worldway

CITY Los Angeles ZIP 90009 TEL

CONTRACTOR Laird Const Co. Inc

ADDRESS 9460 Lucas Ranch Rd

CITY Rancho Cuc ZIP 91730 TEL 989-5595

STATE LIC & CLASS# 165211 A,B,C-8,C-12,C21 CITY LIC # 006886

ARCH ENGR DESIGNER

ADDRESS TEL

CITY ZIP STATE LIC #

INTENDED PERMIT USE Gate Controller Permit

Supplemental to 59362

SQ FT SIZE NO STORIES NO DW UNITS

RESIDENTIAL NEW ADD'N ACCESSORY BUILDING ALTER REPAIR DEMOLITION

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Karen L. Laird 2/24/87

SIGNATURE DATE

OWNER - BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B & P C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. _____ Company State Fund 7-1-87

X Copy is filed with the City

☐ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Karen L. Laird Date 2/24/87

Mailing Address 9460 Lucas Ranch Rd

City, State, Zip Rancho Cuc, Calif 91730

VALIDATION

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

	TYPE CONST	SIZE (SQ FT)	VAL (SQ FT)	VALUATION
			TOTAL VALUATION	

PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
TOTAL		

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ # $ _____

WATER HEATERS 'POOL # SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # | SEP PIT | SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT # 01-32105

ELECTRICAL FEES

SWITCHES RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS Gate Controller 2 00

OCC GROUP SQ FT # C

OCC GROUP SQ FT # C

SERVICE AMPS #

NO UNITS TEMP POWER

NO MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES # 3 00

TOTAL ELECTRICAL FEES ACCT #01-32103 5 00

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

CITY OF ONTARIO
TOTAL 5.00
CASH 10.00
6512911101022487

TOTAL ALL FEES (PAY THIS AMOUNT) $ 5 00

PERMIT NO 59709 DATE 2/24/87

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS - FORM / STEEL		
U GRND PLUMBING		
U GRND ELECT		
U GRND MECH		
POOL STEEL BOND BEAM		
SPA PLBG SPA HTG		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER / CESSPOOL / LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING	12.2.88	
FINAL POOL / SPA		
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		

C.O. ISSUED DATE

TEMP C.O. ISSUED DATE

CONDITIONS

INSPECTOR'S NAME _____ INITIAL

REMARKS

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
TRASH BINS	
D.A.B. REQ.	
SITE PLAN	
VARIANCE	
C.U.P.	

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF 91764 TEL (714) 986-1151

TRACT # LOT # 0113 —

FF # VAT # DAR FILE #

BUSINESS ADDRESS: 1250 TOWER

OWNER: DEPT. OF AIRPORTS

MAILING ADDRESS

CITY | ZIP | TEL

CONTRACTOR: SIERRA PACIFIC

ADDRESS: 2542 AVALON ST.

CITY: RIVERSIDE, CA | ZIP: 92509 | TEL

STATE LIC # / CLASS: 264048 C-10 | CITY BUS LIC NO: 044192

ARCHITECT / ENGINEER

ADDRESS | TEL

CITY | ZIP | STATE LIC NO

INTENDED PERMIT USE

SQ FT SIZE | NO STORIES | NO DW UNITS

RESIDENTIAL NEW ADD ALTER REPAIR | COMMERCIAL NEW ADD ALTER REPAIR | INDUSTRIAL NEW ADD ALTER REPAIR

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

SIGNATURE [signature] DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

( ) as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

( ) as owner of the property, and I am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

( ) I am exempt under Sec. _____, B & P C. for the reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3700, Labor Code)

Policy No. BWC 44 6881 Company O.A.C. Expiration Date 6-30-87

X Copy is filed with the City

( ) Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you become subject to the Workers' Compensation provisions of the Labor Code you must forthwith comply with such provisions or this permit shall be revoked immediately.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date _____

Mailing Address _____

City, State, Zip _____

VALIDATION

APPLICATION ONLY

BUILDING DEPARTMENT COPY

OCC. TYPE CONST.	SIZE (SQ FT)	VAL. (SQ FT)	VALUATION
		TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01 215-116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
TOTAL		

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES _____ # $ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # SEP PIT SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32103

ELECTRICAL FEES

SWITCHES RECEPTACLES		
LIGHTING FIXTURES	4	2 00
APPLIANCE OUTLETS		
OCC GROUP SQ FT #		
OCC GROUP SQ FT #		
SERVICE AMPS METER PEDESTAL		12 50
NO UNITS TEMP POWER		
NO MOTORS		
SWIMMING POOL/SPA ELECTRIC		
PERMIT FEES #		10 00
TOTAL ELECTRICAL FEES ACCT #01-32104		24 50

MECH. FEES

HEATING M/BTU A/C M BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 24 50

PERMIT NO 59362 DATE 2-5-87

D.C.

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS FORMS - STEEL		
U GRND PLUMBING		
U GRND ELECT		
U GRND MECH		
POOL STEEL - BOND BEAM		
SPA ELEC - SPA HTG		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
ELEC TOP OUT		
FIRE PLACE - THROAT		
FIRE PLACE - BOND BEAM		
FIRE PLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	3-12-87	
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL SPA		
FINAL SOLAR		
EDISON CO CALLED	3-13-87	
GAS CO CALLED		

C.O. ISSUED DATE

TEMP C.O. ISSUED DATE

CONDITIONS

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
TRASH BINS	
D.A.B.E.D.	
SITE PLAN	
VARIANCE	
C.U.P.	

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

TRACT # LOT Mech

PC # 11-89-13 VAR # DAB FILE #

BUILDING ADDRESS ~~1230 TOWER DR.~~

OWNER ONTARIO AIRPORT FIRE STATION

ADDRESS ~~1230 TOWER DR.~~

CITY ONTARIO ZIP 91761 TEL

CONTRACTOR RUSHER AIR CONDITIONING

ADDRESS 19626 So. NORMANDIE AVE.

CITY TORRANCE ZIP 90502 TEL 321-9696

STATE LIC & CLASS # 258423 C20/C4 CITY LIC NO 18782 L

ARCH ENGR DESIGNER

ADDRESS TEL

CITY ZIP STATE LIC NO

INTENDED PERMIT USE MECHANICAL - CHILLER UNIT MODIFICATION

SQ FT SIZE NO STORIES NO DW UNITS

RESIDENTIAL NEW ADD COMMERCIAL ALTER X INDUSTRIAL REPAIR DEMOLITION

LICENSED CONTRACTOR'S DECLARATION

SIGNATURE 7-27-89 DATE

OWNER BUILDER DECLARATION

B & P C for this work

Owner

WORKERS' COMPENSATION DECLARATION

LP 8947017202 FREMONT COMPENSATION

X 7/01/90 ST

CONSTRUCTION LENDING AGENCY

Lender's Address

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Signature of Applicant 7-27-89

Mailing Address 19626 So. NORMANDIE AVE

City State Zip TORRANCE CA. 90502

VALUATION

When property is located in this space, this form constitutes a permit to do the work described below. This permit and copies of plans as noted below shall be kept on the premises and open to inspection by the Building Inspector.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

OCC TYPE CONST	SIZE (SQ FT)	VAL (SQ FT)	VALUATION
		RECEIVED AUG 2 1989	
		TOTAL VALUATION	2,000

PERMIT @		01-32101	
PLAN CHECK @	01-32100	~~01-32105~~	29 25
PARK & REC AQUISITION FEE @		07-31901	
EARTHQUAKE FEE @		01-215-116	
SEWER CAPITAL ASSESSMENT FEE @ $950 EA		28-37210	
SEWER ASSESSMENT FEE @ $75 EA		28-37211	
TOTAL			29 25

PLUMBING FEES

BATHTUBS		DISHWASHER DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES @ $

WATER HEATERS POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS TANKS

PERMIT FEES @

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER @ SEP PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32105

ELECTRICAL FEES

SWITCHES, RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC GROUP SQ FT @ ¢

OCC GROUP SQ FT @ ¢

SERVICE AMPS @

NO UNITS TEMP POWER

NO MOTORS

SWIMMING POOL SPA ELECTRIC

PERMIT FEE @

TOTAL ELECTRICAL FEES ACCT #01-32103

MECH. FEES

HEATING M BTU A C M BTU

OTHER EARTHQUAKE FEE 50

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT #01-32104 45 50

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 74 75

PERMIT NO 7894 DATE 9/29/89

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL		
U GRND PLUMBING		
U GRND ELECT		
U GRND MECH		
POOL STEEL/BOND/LINER		
SPA PLBG /SPA HTG		
SLAB GRADE		
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC		
ROUGH MECHANICAL		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECT ONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL FENCE		
OK TO PLASTER POOL		
P-TRAP		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL	12-5-77	[illegible]
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO CALLED		
GAS CO CALLED		
OTHER DEPARTMENT REQUIREMENTS		
ENGINEERING		
TRASH BINS		
D A B REQ		
SITE PLAN		
VARIANCE		
C U P		

C O ISSUED DATE

TEMP C O ISSUED: DATE

CONDITIONS

INSPECTOR'S NAME _____ INITIAL

REMARKS

SEWER DIAGRAM

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

TRACT # ____ LOT # ____ 0113-

IR # G-87-44 VAR # ____ DAB FILE # ____

BUILDING ADDRESS: 1230 TOWER DR

OWNER: CITY OF LA. DEPT. OF AIRPORTS

ADDRESS: #1 WORLD WAY

CITY: LOS ANGELES ZIP: 90009 TEL: 213-646-6266

CONTRACTOR: BADGER CONST

ADDRESS: 1531 2ND R

CITY: RIVERSIDE ZIP: 92320 TEL: 714-784-9040

STATE LIC. & CLASS#: 44664 B1 CITY LIC. NO: ____

APPLICANT OR DESIGNER: ANTHONY & LANGFORD

ADDRESS: 16152 BEACH BLVD #201 TEL: 714-848-1918

CITY: HUNTINGTON BEACH ZIP: 92647 STATE LIC. NO: C1260

INTENDED PERMIT USE: GRADING FOR FIRE STATION

2430 Cy d c

SQ. FT. SIZE: ____ NO. OF STORIES: ____ NO. OF DW UNITS: ____

RESIDENTIAL: ____ COMMERCIAL: X INDUSTRIAL: ____

NEW: X ADD: ____ ALTER: ____ REPAIR: ____ DEMOLISH: ____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am a licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code and my license is in full force and effect.

Charles D. Nuller 4/25/88

SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I am exempt under Sec. ____ B.& P.C. for the reason ____

Date ____ Owner ____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. CNA 5/1/88

Company ____

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter the above-mentioned property for inspection purposes.

Signature of Applicant: Charles D. Nuller Date: 4/25/88

Mailing Address ____

City, State, Zip ____

BUILDING PERMIT FEES

OCC.	TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
			TOTAL VALUATION	

PERMIT #	01-32101	
PLAN CHECK # 2430 cy	01-36105	30 00
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
TOTAL		30 00

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES ____ # $ ____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # | SEP PIT | SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER & SANITATION FEES ACCT #01-32104

ELECTRICAL FEES

SWITCHES/RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

OCC. GROUP SQ. FT. # C

OCC. GROUP SQ. FT. # C

SERVICE AMPS #

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT #01-32103

MECH. FEES

HEATING M/BTU A/C M/BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS 2430 c.y. CITY OF ONTARIO 165.3

TOTAL GRADING FEES ACCT #01-32106 165.

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 165 00

PERMIT NO. 68505 DATE 4/25/88

VALIDATION

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	REMARKS
FINAL GRADING	12-5-89	B Hayden	

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

TRACT # _____

LOT # _____

PC # _____ VAR # _____ DAB FILE # _____

BUILDING ADDRESS: 1230 Tower Drive

OWNER: L.A. Dept of Airports

MAILING ADDRESS: _____

CITY: L.A. ZIP: _____ TEL: _____

CONTRACTOR: R.C. Sewer Plumbing

ADDRESS: 12545 Bristol Ct.

CITY: Chino ZIP: 91710 TEL: 714/628-5230

STATE LIC. & CLASS: 506842 C-36 CITY LIC. NO: 19312 L

ARCH. ENGR. DESIGNER: _____

ADDRESS: _____ TEL: _____

CITY: _____ ZIP: _____ STATE LIC. NO: _____

INTENDED PERMIT USE: Plumbing Permit for Tenant Improvements

SQ. FT. USE: _____ NO. STORIES: _____ NO. DW. UNITS: _____

RESIDENTIAL: _____ COMMERCIAL: X INDUSTRIAL: _____

NEW: _____ ADD: _____ ALTER: _____ REPAIR: _____ DEMOLITION: _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

R.C. Sch 5/9/88

SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner builder will have the burden of proving that he did not build or improve for the purpose of sale.).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3700 Labor Code).

Policy No. UC 5126388 Company: Unigard Security

Copy is filed with the City: X (Certified copy or Receipt number) CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE 1-8-89

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name: _____

Lender's Address: _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant: R.C. Sch Date: 5/9/88

Mailing Address: 12545 Bristol Ct.

City, State, Zip: Chino, Ca. 91710

VALUATION

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

OCC.	TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
			TOTAL VALUATION	

PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
	TOTAL	

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	2
SHOWERS	9	CLOTHES WASHERS	
WATER CLOSETS	9	DRINK. FOUNTAINS	2
LAVATORIES	11	URINALS	3
SINKS	6	INTERCEPTORS	1
		DRAINS	4

TOTAL FIXTURES 45 # $ 4.00		180 00
WATER HEATERS / POOL / SPA HEATER 2		19 00
WATER X GAS X PIPING		7 00
SOLAR COLLECTORS/TANKS		
PERMIT FEES #		10 00
TOTAL PLUMBING FEES ACCT #01-32102		204 00
HOUSE SEWER # 1 / SLP PIT / SEPTIC TANK		10 00
PERMIT FEES #		10 00
TOTAL HOUSE SEWER / SEPTIC FEES ACCT #		20 00

ELECTRICAL FEES

SWITCHES, RECEPTACLES		
LIGHTING FIXTURES		
APPLIANCE OUTLETS		
OCC. GROUP SQ. FT. # C		
OCC. GROUP SQ. FT. # C		
SERVICE AMPS #		
NO. UNITS TEMP. POWER		
NO. MOTORS		
SWIMMING POOL/SPA ELECTRIC		
PERMIT FEES #		
TOTAL ELECTRICAL FEES ACCT #01-32103		

MECH. FEES

HEATING M/BTU A/C M/BTU		
OTHER		
PERMIT FEE #		
TOTAL MECHANICAL FEES ACCT #01-32104		

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES ACCT #01-32106		24 00

SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		
TOTAL ALL FEES (PAY THIS AMOUNT)		$ 224 00

PERMIT NO. 69394 DATE 5-11-88 CF

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
TRACKS		
[illegible]		
[illegible]		
[illegible]		
GAS GAUGE		
[illegible]		
[illegible]	5-16-89	[illegible]
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
ROOF COVERING		
FIREPLACE THROAT		
FIREPLACE LINTEL BEAM		
FIREPLACE HEARTH		
MASONARY BOND BEAM		
LATH INTERIOR		
LATH EXTERIOR		
DRY WALL NAIL		
AIR TEST		
[illegible]		
[illegible]		
[illegible]		
FLOOR DRAINS		
WATER SEWER		
SEWER LESSOR/TEACHER LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING	6-14-89	[illegible]
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL SPA		
FINAL SOLAR		
EDISON CO. CALLED		
GAS CO. CALLED		

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING		
FIRE		
PLANNING		
POLICE		
PUBLIC SERVICE		
C.O. ISSUED		

INSPECTION NOTES — INITIAL

REMARKS

Ground plmg line 9-12 ok 6/16/89 CEP

Wash down area plmg & sewer ok 6/16/89

SEWER DIAGRAM

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL (714) 986-1151

TRACT # / LOT # / C113-

M-88-90 VAR # / DAB/FEE # /

1230 Tower Drive
Ontario Int'l Airport

MAILING ADDRESS Same

CITY Ontario ZIP 91761 TEL

CONTRACTOR Automotive Equip Installers

ADDRESS 5025 State Street #4

CITY Ontario ZIP 91761 TEL 627659

STATE LIC. & CLASS# 507957-B CITY LIC. NO —

ARCH. ENGR. DESIGNER Same as Above

ADDRESS TEL

CITY ZIP STATE LIC. NO.

INTENDED USE Install Underground Tanks (3)

SQ FT GRS STORIES NO. DW UNITS

RESIDENTIAL NEW ADD'N ALT'D REPAIR COMMERCIAL NEW ADD'N ALT'D REPAIR INDUSTRIAL NEW ADD'N ALT'D REPAIR

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

X [signature] Owner 5/31/88
SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. B.& P.C. for this reason

Date Owner

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3700 Labor Code)

Policy # WC500652-0 Company National 11/24/88

X Copy is filed with the City

Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender

Address

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant X [signature] Owner Date 5/31/88

Mailing Address

City, State, Zip

VALUATION

When property is valuated at this level, this permit is subject to the above described terms. This permit and [illegible] of the started [illegible] or if work is suspended or abandoned for more than [illegible] days.

DESCRIPTION	TYPE CONST	SIZE (SQ FT)	VAL (SQ FT)	VALUATION
			TOTAL VALUATION	25,000

BUILDING PERMIT FEES

PERMIT #	01-32101	250 00
PLAN CHECK #	01-36105	163 80
PARK & REC AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-21518	3 75
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
	TOTAL	417 55

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES # $

WATER HEATERS/POOL ● SPA HEATER

WATER ( ) GAS ( ) PIPING

SOLAR COLLECTORS/TANKS

PERMIT FEES #

TOTAL PLUMBING FEES ACCT #01-32102

HOUSE SEWER # SEP PIT SEPTIC TANK

PERMIT FEES #

TOTAL HOUSE SEWER/PRIVATE SEWAGE DISPOSAL FEES

ELECTRICAL FEES

SWITCHES RECEPTACLES

LIGHTING FIXTURES

APPLIANCE OUTLETS

C.O.C. GROUP SQ FT # ¢

C.O.C. GROUP SQ FT # ¢

SERVICE AMPS #

NO. UNITS TEMP. POWER

NO. MOTORS

SWIMMING POOL/SPA ELECTRIC

PERMIT FEES #

TOTAL ELECTRICAL FEES ACCT #01-32103

MECH. FEES

HEATING M-BTU A-C M-BTU

OTHER

PERMIT FEE #

TOTAL MECHANICAL FEES ACCT #01-32104

GRADING FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT #01-32106

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 417 55

PERMIT NO. 7C183 DATE 5/31/88

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
STAKES		
FOOTINGS/FORMS/STEEL/DEED		
UNDER PLUMBING		
UNDER ELECT	4-25-09	DJP
SLAB/GRADE		
ROUGH ELECTRIC		
ROUGH PLUMBING		
GAS TOP OUT		
ROUGH MECHANICAL		
SHEAR/TRAMPA/SHEATHING		
ROUGH FRAMING		
ROOF SHEATHING		
INSP/CONCRETE/PANELS		
CONNECTORS/HOLDOWNS/STRAP		
ENERGY CONSERVATION		
TIE TO COVER WALLS		
ROOF COVERING		
FIRE PLACE/HEARTH		
FIRE PLACE/BUNKER BEAM		
FIRE PLACE/TOP OUT		
MASONRY BOND BEAM		
LATH/INSUL/GYP		
ATTIC INSPECTION		
EXT WALL NAIL		
LATH/TEST		
FINAL STEEL BOND UNDER		
PLASTER/STUCCO		
FINAL PENCIL/PLASTER		
SOIL DRAINS		
WATER SERVICE		
SEWER LEAD/LEACH LINE PVC		
CONNECTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING	9-14-09	[illegible]
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO CALLED		
GAS CO CALLED		

INSPECTOR'S NAME	INITIA.	REMARKS

SEWER DIAGRAM

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
FIRE	
PLANNING	
POLICE	
PUBLIC SERVICE	
CO ISSUED	

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF 91764 TEL (714) 986-1151

TRACT # _____ LOT # _____ 0113-

PC # L-87-18 VAR # — DAB FEE # —

BUILDING ADDRESS: 1230 TOWER DRIVE

OWNER: CITY OF L.A. DEPT. OF AIRPORTS

ADDRESS: 1 WORLD WAY

CITY: LOS ANGELES ZIP: 900[illegible] TEL: (213) 646-6446

CONTRACTOR: Badger Construction

ADDRESS: 1531 7th Street

CITY: Riverside ZIP: 92507 TEL: (714) 781-9040

STATE LIC # & CLASS: 446464 B-1 CITY LIC NO:

ARCH/ENGR DESIGNER: ANTHONY + LANGFORD / ARCHITECTS

ADDRESS: 16152 BEACH BLVD. #201 TEL: (714) 848-1918

CITY: HUNTINGTON BEACH ZIP: 92647 STATE LIC NO: C 1260

INTENDED PERMANENT USE: AIRPORT FIRE STATION

SQ FT SIZE: 17,868 NO STORIES: 2 NO DAY UNITS: ⊖

RESIDENTIAL: NEW X ADD'N ALT'N | COMMERCIAL: X | INDUSTRIAL: ADD'N ALT'N

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Signature: Clark D. Smith Date: 4/25/88

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec _____ B & P C. for the reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. C.N.A. Company 5/1/88

X I have filed with the City

CERTIFICATE OF EXEMPTION
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I am providing information for the purpose of notification of recording (Sec. 3097, Civil Code):

Name _____

Address _____

I agree to maintain the labor and materials payment bond and the contract, if any, required by the lending agency for the above mentioned project.

Signature: Clark D. Smith Date: 4/25/88

Name of Applicant _____

Mailing Address _____

City, State, Zip _____

VALIDATION

When properly validated, this form is a permit to construct the work described herein. It expires by limitation and becomes void if the work authorized by this permit is not commenced within 180 days from the date of issuance, or if the work is suspended or abandoned for a period of 180 days after the work is commenced.

BUILDING PERMIT FEES

TYPE CONST	SQ FT	VALUATION	TOTAL VALUATION
V-N/S.P.	17,868	55.40	989,887.20

PERMIT #	01-32101		350 50
PLAN CHECK #	01-36105		228 17
PARK & REC. AQUISITION FEE #	07-31901		
EARTHQUAKE FEE #	1215	148	148 49
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210		6403 00
SEWER ASSESSMENT FEE # $75 EA	28-37211		505 50
		TOTAL	12847 66

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	2
SHOWERS	9	CLOTHES WASHERS	
WATER CLOSETS	7	DRINK FOUNTAINS	2
LAVATORIES	11	URINALS	3
SINKS	6	INTERCEPTORS	
		DRAINS - floor	1

TOTAL FIXTURES 41 @ $ 4.00		164 00
WATER HEATERS / POOL & SPA HEATER 2 -		10 00
WATER X GAS X PIPING		4 00
SOLAR COLLECTORS/TANKS		
PERMIT FEES #		10 00
TOTAL PLUMBING FEES	ACCT #01-32102	188 00
HOUSE SEWER # 1 SEP PIT SEPTIC TANK		
PERMIT FEES #		10 00
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32103	10 00

ELECTRICAL FEES

SWITCHES/RECEPTACLES 235			
LIGHTING FIXTURES 326 + 8 ext.			174 70
APPLIANCE OUTLETS 38			76 00
O.V.C. GROUP SQ FT # @			
O.C.C. GROUP SQ FT # @			
SERVICE AMPS 800 #			50 00
NO. UNITS 45 KW Heater/Water			
NO. MOTORS			
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES #			10 00
TOTAL ELECTRICAL FEES	ACCT #01-32104		310 70

MECH. FEES

HEATING 1225 BTU 35 T C M/BTU		15 00
OTHER		
PERMIT FEE #		10 00
TOTAL MECHANICAL FEES	ACCT #01-32104	25 00

GRADING FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT #01-32106	

SEWER ASSESSMENT FEES PAID (YES) NO

AVIGATION AGREEMENT REQUIRED YES (NO)

CITY OF ONTARIO
TOTAL 13381 36
CHECK 3381 36
116221 0104 2800

TOTAL ALL FEES (PAY THIS AMOUNT) $ 13381 36

PERMIT NO 68502 DATE 4/29/88

APPLICATION ONLY — BUILDING & SAFETY DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS - FORMS - STEEL ★		
U GRND PLUMBING		
U GRND ELECT	5-24-89	B. Patrick
U GRND MECH		
POOL STEEL/BOND LINER		
SPA PLBG - SPA HTG		
SLAB GRADE 4	2/1/89	C Sey
OK TO POUR SLAB		
ROUGH PLUMBING		
ROUGH ELECTRIC 2nd FLOOR		
ROUGH MECHANICAL 4		
FLOOR FRAMING		
ROUGH FRAMING		
ROOF SHEATHING		
SHEAR PANELS		
STRUCTURAL STEEL		
CONNECTIONS		
ENERGY CONSERVATION		
OK TO COVER WALLS		
ROOF COVERING		
PLBG TOP OUT		
FIREPLACE - THROAT		
FIREPLACE - BOND BEAM		
FIREPLACE - TOP OUT		
MASONARY BOND BEAM		
LATH - EXTERIOR		
LATH - INTERIOR		
DRY WALL NAIL		
GAS TEST 9/26/89 CS		
POOL FENCE		
OK TO PLASTER POOL		
STRAP T. Bar Ceiling (TB)		
SEWER/CESSPOOL/LEACH LINE FINAL		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL	12-1-89	
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO CALLED	8-16-89	C. Frazier
GAS CO CALLED	9-19-89 (GG)	

OTHER DEPARTMENT REQUIREMENTS
ENGINEERING
TRASH BINS
D.A.B. REQ
SITE PLAN
VARIANCE
CUP

A-5-16-89 roof & Kitchen area from Hard Shell

CERTIFICATE DATE

TEMP. CERTIFICATE DATE

COMMENTS

(TB) 2nd Floor ok 7-19-89 CB

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

★ See plans 6/1/89 C Sey
6/21/89 C Sey

★ See approved plans 11/28/88 B. Patrick

★ " " " 12/5/88 B. Patrick

Beam & wall stirrup to 8' 7/3/89 C Sey

also 11 Steel as on plan 7/26/89 C Sey

7-28-89 see approved plan as to pool enclosure and also steel footings B Patrick

9/6 - See approved plans 8/10/89 CB

9/8/89 See plans & corrected ok to date C Sey

9/13/89 See corr on approved plans 5-2 C Sey

10-3-89 ok to grout per approved plans

10-3-89 ok to grout 8' lift as on plans

12/6/89 " " 16' as on plans C Sey

10-3-89 OK to Grout 16' Lift as Above

OK WE Johnson

SEWER DIAGRAM

1-5-89 ok to Grout as marked

28' Lift ok to grout 4-24-89 C Sey TW Lift

32 Lift as on plans 1/31/89 C Sey

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL (714) 986-1151

TRACT # _____

LOT # _____

PC # _____ VAR # _____ DAB/FILE # _____

BUILDING ADDRESS: 1230 TOWER DRIVE

OWNER: ONTARIO AIRPORT

MAILING ADDRESS: SAME

CITY: ONTARIO | ZIP: | TEL:

CONTRACTOR: BADGER COAST

ADDRESS: 1531 2ND STREET

CITY: RIVERSIDE CA. | ZIP: 92507 | TEL: 714 784-9040

STATE LIC & CLASS#: 446664 | CITY BUS LIC

ARCH. ENGR. DESIGNER: ANTHONY & LANGFORD

ADDRESS: 12249 BEACH BLVD | TEL:

CITY: HUNTINGTON BEACH | ZIP: 92182 | STATE LIC NO.

INTENDED PERMIT USE: TEMP. ELECTRICAL POWER

SQ. FT. SIZE: — | NO. STORIES: — | NO. OF LIVING UNITS:

RESIDENTIAL: NEW ☐ ADD ☐ ALTER ☐ | COMMERCIAL: NEW ☒ ADD ☐ ALTER ☐ | INDUSTRIAL: NEW ☐ ADD ☐ ALTER ☐

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Mark D. Miller 6/9/88

SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec 7031.5 Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code).

Policy No. 6372 Company CNA Exp. 5-1-89

X Copy is filed with the City.

☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 6/8/88

Mailing Address _____

City, State, Zip _____

VALIDATION

When properly validated at this space, this form constitutes a permit to do [illegible]

BUILDING PERMIT FEES

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PERMIT #	01-32101	
PLAN CHECK #	01-36105	
PARK & REC. AQUISITION FEE #	07-31901	
EARTHQUAKE FEE #	01-215-116	
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210	
SEWER ASSESSMENT FEE # $75 EA	28-37211	
	TOTAL	

PLUMBING FEES

BATHTUBS		DISHWASHER/DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK. FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	

TOTAL FIXTURES	# $		
WATER HEATERS/POOL • SPA HEATER			
WATER ☐ GAS ☐ PIPING			
SOLAR COLLECTORS/TANKS			
PERMIT FEES #			
TOTAL PLUMBING FEES	ACCT #01-32102		
HOUSE SEWER #	SEP PIT	SEPTIC TANK	
PERMIT FEES #			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT #01-32105		

ELECTRICAL FEES

SWITCHES RECEPTACLES			
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
OCC. GROUP	SQ. FT. #	C	
OCC. GROUP	SQ. FT. #	C	
SERVICE	AMPS #		
NO. UNITS 1	TEMP. POWER		10 00
NO. MOTORS 5			35 00
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES #			10 00
TOTAL ELECTRICAL FEES	ACCT #01-32103		45 00

MECH. FEES

HEATING M/BTU	A/C M/BTU		
OTHER			
PERMIT FEE #			
TOTAL MECHANICAL FEES	ACCT #01-32104		

GRADING FEES

CITY OF ONTARIO

CUBIC YARDS	TOTAL	45.00
TOTAL GRADING FEES ACCT #01-32	CASH	45.00
SEWER ASSESSMENT FEES PAID YES NO	2002	1010 1365
AVIGATION AGREEMENT REQUIRED YES NO		

TOTAL ALL FEES (PAY THIS AMOUNT) $ 45 00

PERMIT NO. 1[illegible] DATE 6/8/88

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
[illegible]		
[illegible]		
[illegible]		
[illegible]		
AR GRADE		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
FLOOR FRAMING SHEATHING		
ROOF FRAMING		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
FIREPLACE THROAT		
FIREPLACE BOND BEAM		
FIREPLACE TOP OUT		
[illegible]		
LATH INTERIOR		
LATH EXTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL STEEL/BOND LINER		
SPA PEBO SPATTER		
POOL FENCE OR TO FENCE		
ROOF DRAINS		
WATER SERVICE		
SEWER DISPOSAL/LEACH LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	6-15-88	
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
FINAL SOLAR		
EDISON CO CALLED	6-16-88	
GAS CO CALLED		

OTHER DEPARTMENT REQUIREMENTS

ENGINEERING	
FIRE	
PLANNING	
POLICE	
PUBLIC SERVICE	
CO ISSUED	

REMARKS

SEWER DIAGRAM

RECEIVED
AUG 18 1989
City of Ontario
Public Services Agency

Parks 4-20-90

12-4-89
4-20-90

INTER-OFFICE COMMUNICATION

City of Ontario

DATE: 8-17-89

FROM:
- ☐ Joyce Babicz, City Planner
- ☐ Leroy Bender, City Engineer
- ☐ M. Macias, Police Department
- ☐ William Alexander, Captain, Fire Safety Control Division
- ☐ Jonelle Malloy, Public Facilities Development Coordinator
- ☐ Paul Gomez, Senior Administrative Assistant

SUBJECT: Fire Station

☐ Occupancy Clearance for 1230 Vauxhall Dr. (Street address) _____ (D.A.B.)

☐ Tract Clearance for _____ (Tract #) _____ (Lots) _____ (Phase #)

Contractor/Representative _____ Phone # _____

RETURN TO BUILDING DEPARTMENT

TO: Kenneth Gilman, Building Official

All conditions of Approval for Occupancy have been met.

DATE April 20, 1990

Signature

Title

Department

RECEIVED
AUG 1 8 1989

Parks 4-20-90

12-4-89
4-20-90

INTER-OFFICE COMMUNICATION

City of Ontario

DATE: 8-17-89

FROM:
- ☐ Joyce Babicz, City Planner
- ☐ Leroy Bender, City Engineer
- ☐ M. Macias, Police Department
- ☐ William Alexander, Captain, Fire Safety Control Division
- ☐ Jonelle Malloy, Public Facilities Development Coordinator
- ☐ Paul Gomez, Senior Administrative Assistant

SUBJECT: Fire Station

☐ Occupancy Clearance for 1220 Locust Ln. _____
Street address D.A.B.

☐ Tract Clearance for _____ _____ _____
Tract # Lots Phase #

Contractor/Representative _____ Phone # _____

_____

_____

RETURN TO BUILDING DEPARTMENT

TO: Kenneth Gilman, Building Official

All conditions of Approval for Occupancy have been met.

DATE April 20, 1990

Signature

Title

Department

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1151

TRACT # LOT # BLK

DWELLING # FIRE STATION @ ONTARIO AIRPORT
1230 TOWER DR.
CITY of ONTARIO

MAILING ADDRESS CITY ZIP TEL

CONTRACTOR G & G INC.
ADDRESS 7356 FULTON AVE. (818)
CITY N. HWD. ZIP 91605 TEL 503-1200
STATE LIC. # & CLASS 458782 C-16 GROUP # 264661

ARCHITECT/ENGINEER ADDRESS CITY ZIP TEL

OWNER'S INSTRUCTIONS FIRE SPRINKLER SYSTEM

NEW CONSTRUCTION

OCC./TYPE CONST	SIZE (SQ FT)	VAL./SQ FT	VALUATION
		TOTAL VALUATION	20,150

BUILDING PERMIT FEES

PERMIT #	01-32101	391	CC
PLAN CHECK #	01-38105	129	15
PARK & REC ACQUISITION FEE #	07-31901		
EARTHQUAKE FEE #	01-215	4	61
SEWER CAPITAL ASSESSMENT FEE # $950 EA	28-37210		
SEWER ASSESSMENT FEE # $75 EA	28-37211		
	TOTAL	484	76

PLUMBING FEES

BATHTUBS		DISHWASHER DISPOSAL	
SHOWERS		CLOTHES WASHERS	
WATER CLOSETS		DRINK FOUNTAINS	
LAVATORIES		URINALS	
SINKS		INTERCEPTORS	
		DRAINS	
TOTAL FIXTURES	# $		
WATER HEATERS/POOL & SPA HEATER			
WATER [ ] GAS [ ] PIPING			
SOLAR COLLECTORS/TANKS			
PERMIT FEES #			
TOTAL PLUMBING FEES	ACCT #		
HOUSE SEWER #	SEP PIT	SEPTIC TANK	
PERMIT FEES #			
TOTAL HOUSE SEWER & CAPITATION FEES	ACCT #		

ELECTRICAL FEES

SWITCHES/RECEPTACLES			
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
O.C. GROUP	SQ FT		
O.C. GROUP	SQ FT		
SERVICE	AMPS		
NO. UNITS	TEMP POWER		
NO. MOTORS			
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES #			
TOTAL ELECTRICAL FEES	ACCT #		

MECH. FEES

HEATING M/BTU	A/C M BTU		
OTHER			
PERMIT FEE #			
TOTAL MECHANICAL FEES	ACCT #		

GRADING FEES

CITY OF ONTARIO
TOTAL 484.76
CHECK 484.76
1788:111010027:85

CUBIC YARDS

TOTAL GRADING FEES ACCT # [illegible]

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

TOTAL ALL FEES (PAY THIS AMOUNT) $ 484 | 76

PERMIT NO 17874 DATE 5-27-88

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Lic. # [illegible] Classification [illegible]

[signature] 5-27-88
SIGNATURE DATE

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or through his own employees, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

I am exempt under Sec. _____ B.&P.C. for this reason

DATE OWNER

WORKER'S COMPENSATION DECLARATION

I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are RP9580 FAIRMONT 2-10-89

Certificate of Exemption filed with the Director of Industrial Relations.

Where there is no employees, the performance of the work for which this permit is issued shall not subject any person or any employer to the workers' compensation laws of California.

I agree that in the event that I should employ any person in any manner so as to become subject to the workers' compensation laws of California, I will forthwith comply with the provisions of said laws and file a certificate of compliance with the City.

I HEREBY AFFIRM THAT I AM LICENSED UNDER PROVISIONS OF CHAPTER 9 (COMMENCING WITH SECTION 7000) OF DIVISION 3 OF THE BUSINESS AND PROFESSIONS CODE AND MY LICENSE IS IN FULL FORCE AND EFFECT, OR THAT I AM EXEMPT THEREFROM, AND THAT MY WORKERS' COMPENSATION INSURANCE CARRIER AND POLICY NUMBER ARE AS DECLARED ABOVE. I AGREE THAT IF I EMPLOY ANY PERSON OR PERSONS IN ANY MANNER SO AS TO BECOME SUBJECT TO THE WORKERS' COMPENSATION LAWS OF CALIFORNIA, I SHALL FORTHWITH COMPLY WITH THE PROVISIONS OF SAID LAWS AND FURNISH A CERTIFICATE OF COMPLIANCE TO THE CITY BEFORE THE COMMENCEMENT OF THE WORK. I UNDERSTAND THAT FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE AS REQUIRED BY LAW IS UNLAWFUL AND SHALL SUBJECT ME TO STOP WORK ORDER OF THE ENTIRE BUILDING OR STRUCTURE UNTIL COMPLIANCE IS OBTAINED. I UNDERSTAND THAT MY FAILURE TO COMPLY WITH ONE OF THE FOREGOING REQUIREMENTS MAY SUBJECT ME TO A FINE UP TO ONE HUNDRED DOLLARS ($100) OR IMPRISONMENT IN THE COUNTY JAIL NOT EXCEEDING 90 DAYS, OR BOTH. I UNDERSTAND THAT THIS PERMIT SHALL BE VOID AND SUBJECT TO REVOCATION IF I FAIL TO COMPLY WITH THE ABOVE PROVISIONS.

CONSTRUCTION LENDING AGENCY

The undersigned Owner hereby appoints the following lender to advise the City of Ontario that the above mentioned property is security for a construction loan.

Lender

Address

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

[signature] 5-27-88
Signature of Applicant Date

7356 FULTON AVE.
Mailing Address
N. HWD. 91605
City State Zip

VALIDATION

When properly validated on this face, this permit becomes a permit to do the work described hereon. This permit will expire if work is not started within 180 days from the date of issuance or if work is abandoned for more than 180 days after work is started.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

CITY OF ONTARIO-DEPARTMENT OF BUILDING AND SAFETY

303 EAST "B" STREET ONTARIO, CALIF. 91764 TEL. (714) 986-1131

TRACT # ____ LOT # ____ PLOT ____ UNIT ____ DWG/FILE # 31-____

BUILDING ADDRESS: FIRE STATION @ ONTARIO AIRPORT
1230 TOWER DR.
CITY of ONTARIO

MAILING ADDRESS ____ CITY ____ ZIP ____ TEL ____

CONTRACTOR: G & G INC.
ADDRESS: 7356 FULTON AVE. (818)
CITY: N. HWD. ZIP: 91605 TEL: 503-1200
STATE LIC. & CLASS#: 458782 C-16 CITY BUS. LIC. NO: 264661

ARCH. ENGR. DESIGNER ____ ADDRESS ____ TEL ____ CITY ____ ZIP ____ STATE LIC. NO ____

INTENDED PERMIT USE: FIRE SPRINKLER SYSTEM

SQ. FT. SIZE ____ NO. STORIES ____ NO. DW. UNITS ____

RESIDENTIAL ( ) COMMERCIAL ( ) INDUSTRIAL ( )
NEW ( ) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLITION ( )

LICENSED CONTRACTOR'S DECLARATION

I ____ a duly Licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

SIGNATURE ____ DATE 5-27-88

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for the permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

( ) I as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

( ) I as owner of the property am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

( ) I am exempt under Sec. ____ B & P.C. for this reason ____

Date ____ Owner ____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certificate of exemption from the Labor Code.

Policy No. 47880 Company FAIRMONT

( ) Copy is filed with the City.

Certificate of Exemption from Workers' Compensation Insurance 2-10-89

(This section need not be completed if the permit is for one hundred dollars ($100) valuation or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3691, Civil Code).

Lender ____

Lender ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant ____ 5-27-88

Mailing Address 7356 FULTON AVE.

City, State, Zip N. HWD. 91605

VALIDATION

When properly validated or otherwise, this form constitutes a permit to do the work described hereon. This permit and plans if any are void unless work is started within 180 days or is abandoned for more than 180 days.

BUILDING PERMIT FEES	OCC./TYPE CONST.	BLD. (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
			TOTAL VALUATION	20,750
PERMIT #			01-32101	141 CC
PLAN CHECK #			01-36105	129 15
PARK & REC AQUISITION FEE #			07-31901	
EARTHQUAKE FEE #			01-215 118	4 61
SEWER CAPITAL ASSESSMENT FEE # $950 EA			28-37210	
SEWER ASSESSMENT FEE # $75 EA			28-37211	
			TOTAL	484 76

PLUMBING FEES		
BATHTUBS		DISHWASHER/DISPOSAL
SHOWERS		CLOTHES WASHERS
WATER CLOSETS		DRINK FOUNTAINS
LAVATORIES		URINALS
SINKS		INTERCEPTORS
		DRAINS
TOTAL FIXTURES	# $	
WATER HEATERS/POOL # SPA HEATER		
WATER ( ) GAS ( ) PIPING		
SOLAR COLLECTORS/TANKS		
PERMIT FEES #		
TOTAL PLUMBING FEES		ACCT #01-32102
HOUSE SEWER #		SEPTIC TANK
PERMIT FEES #		
TOTAL HOUSE SEWER & SEPTIC TANK		ACCT #

ELECTRICAL FEES			
SWITCHES/RECEPTACLES			
LIGHTING FIXTURES			
APPLIANCE OUTLETS			
OCC. GROUP	SQ. FT.	#	¢
OCC. GROUP	SQ. FT.	#	¢
SERVICE	AMPS	#	
NO. UNITS	TEMP. POWER		
NO. MOTORS			
SWIMMING POOL/SPA ELECTRIC			
PERMIT FEES #			
TOTAL ELECTRICAL FEES			ACCT #

MECH. FEES			
HEATING	M/BTU	A/C	M/BTU
OTHER			
PERMIT FEE #			
TOTAL MECHANICAL FEES			ACCT #

GRADING FEES		
CUBIC YARDS		
TOTAL GRADING FEES	ACCT #	

CITY OF ONTARIO
TOTAL 484.76
CHECK 484.76

SEWER ASSESSMENT FEES PAID YES NO

IRRIGATION AGREEMENT REQUIRED YES NO

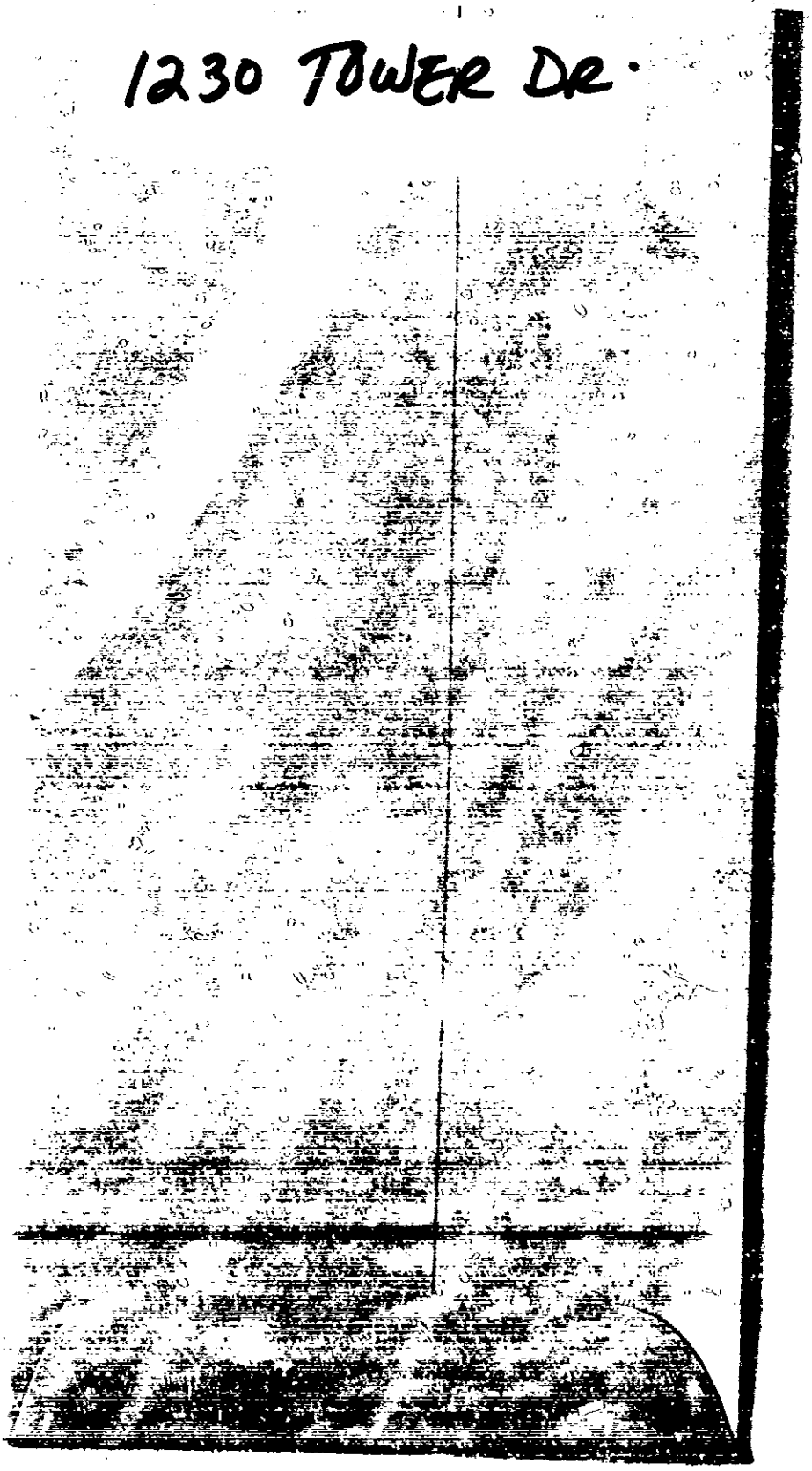
TOTAL ALL FEES (PAY THIS AMOUNT) $ 484 74

PERMIT NO. 77874 DATE 5-27-88

APPLICATION ONLY

BUILDING DEPARTMENT COPY

1230 TOWER DR.



ENGINEERED GRADING INSPECTION REPORT

Owner City of Los Angeles Dept of Engineers Permit No 68505

Job Address or Tract No. 1230 Tower Drive

☐ ROUGH GRADING INSPECTION

☐ BY SOILS ENGINEER

Fills were installed upon properly prepared base material and compacted in compliance with Section 7010, U.B.C. and where the report of an engineering geologist has recommended the installation of buttress fills or other measures, such work has been completed in accordance with the approved design.

Lot Nos. _____

See attached report for compaction test data, recommended allowable soil bearing values and other special recommendations.

EXPANSIVE SOILS ☐ Yes ☐ No Lot Nos. _____

Remarks _____

Engineer _____ Reg. No _____ Phone No. _____ Date _____
Signature

☐ BY GRADING ENGINEER

The rough grading has been completed in accordance with the approved plans including: grading to approximate final elevations, property lines staked, swales and terraces ready for paving, berms installed, and required drainage slopes provided; and where reports of an engineering geologist and/or soils engineer have been prepared, the recommendations contained therein have been followed.

Lot Nos. _____

RECEIVED
CITY OF ONTARIO
DEC 05 1989
BUILDING DEPARTMENT

Remarks _____

Engineer _____ Reg. No _____ Phone No. _____ Date _____
Signature

☒ FINAL GRADING INSPECTION

The grading has been satisfactorily completed in accordance with the approved plans. All required drainage devices have been installed, slope planting established and adequate provisions have been made for drainage of surface waters from each building site. The recommendations of the soils engineer and/or engineering geologist (if such reports were employed) have been incorporated in the work.

Lot Nos. 1230 TOWER DRIVE

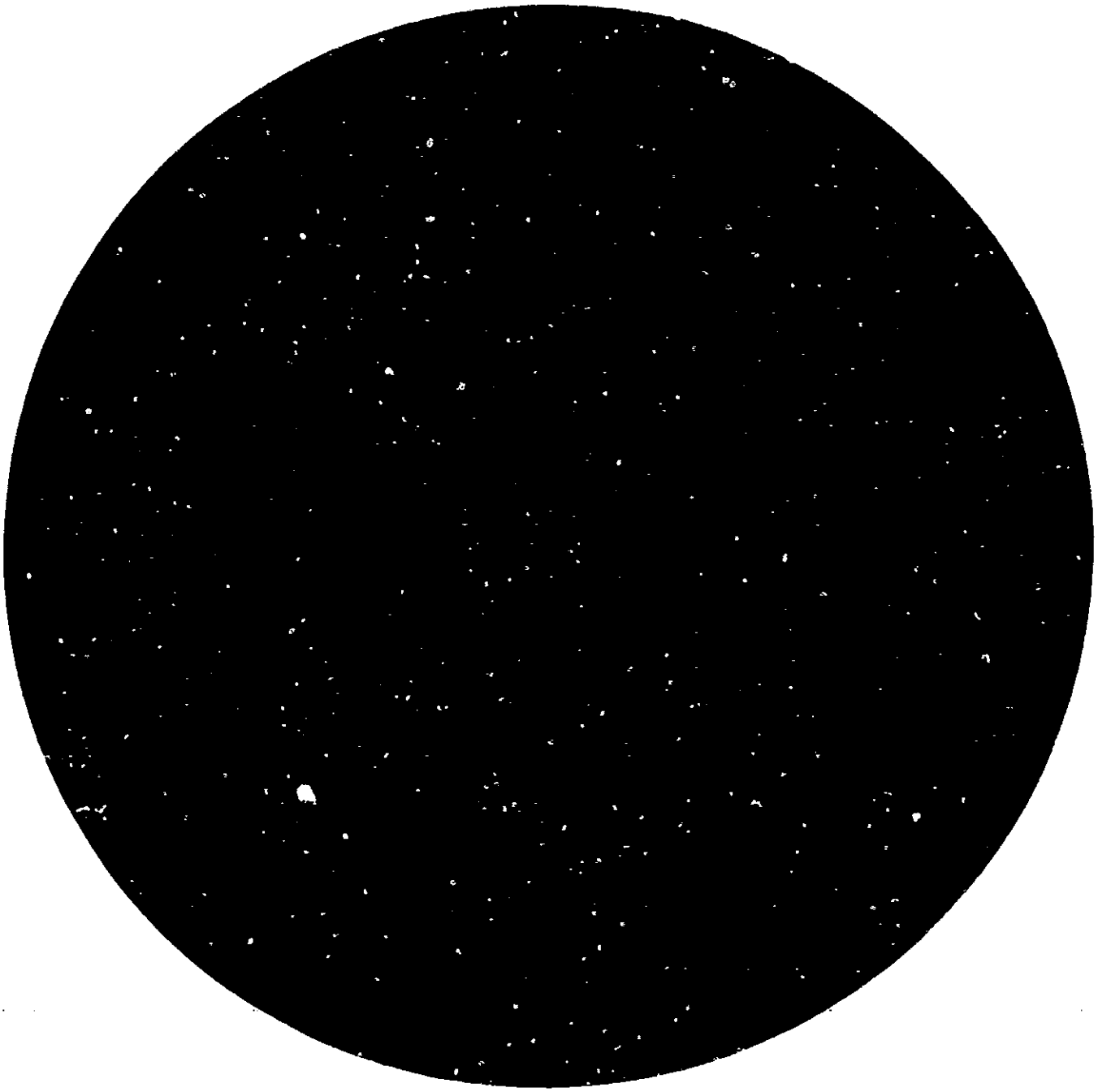
Remarks NONE

Engineer G. Kavanagh Reg. No. C-15249 Phone No (213) 696-5700 Date 12/1/89
Signature

DEPARTMENT USE ONLY:

Report approved by _____ Date _____

Remarks _____



1049 So Vineyard

CITY OF ONTARIO

REQUEST FOR USE OR OCCUPANCY REQUIRING A BUSINESS LICENSE

TO: (➡) BUILDING DEPARTMENT
( ) POLICE DEPARTMENT
( )

The below named business has applied for a business license. Please review this request to see if it conforms to your department's requirements and reply immediately to this office as to your findings. The attached form should be completed and returned with your reply.

NAME OF BUSINESS: California Type Ratings PHONE: 395-9996

ADDRESS: 1049 S. Vineyard Avenue Bldg. 3 - Ontario

CLASSIFICATION OR TYPE OF BUSINESS: Pilot training school

OWNER'S NAME: ADDRESS:

PHONE:

OTHER NAME: Jeffrey L. Glass ADDRESS:
President

PHONE: 714-941-8637

The following is a description of business activities to be conducted from above location; the potential number of persons to be on the premises; flammable liquids, chemicals, compressed gases, or other hazardous materials used, stored, or present; type of waste materials that will be discharged into sewer system; description of hazardous processes involved, etc. 5-8-91 Occupancy B2

I-33612L SQUARE FOOTAGE: 15 X 30

Existing OK
Extinguisher OK
No Violations

DATE: 4/25/91 LICENSE DIVISION

Carolyn Franco BY: LME

FORM #28 (6/89)

CITY OF ONTARIO
CHECK LIST FOR BUSINESS LICENSE

Date 12-19-91 By ST
Reviewed by _____

Name of Business Alma Travel

Address 1049 S. Vineyard, Ste. #100, Ontario, Ca. 91761

Type of Business Travel agency

1. Zone (Circle) C1 C2 C3 M1 (M2) M2.5 EAD R1
R2 R3 RE AR PL SP ARS SA _____

2. Is this business approved for this zone? Yes No (Ord. #_____)
(Use _____)

3. Pull permit packet for:

A. Type of previous business license _____

B. Date of most recent license _____

C. Building occupancy type _____

4. Is this a different type of business? Yes No

5. Is this a change of ownership only? Yes No

6. Will a pre-alteration be required? Yes No

7. Occupancy type _____

8. Occupancy size _____

9. Is this business approved in this location (Building)? Yes No

_____

10. Is business located within the Redevelopment Project Area? Yes (No)

If located within area license must be approved by the Redevelopment Director.

NOTE: This form must accompany all Commercial and Industrial business license applications.

APPROVED BY _____

COMMENTS 12/19/91 - Routed to Plan. Dept. for review

_____

_____

CITY OF ONTARIO
CHECK LIST FOR BUSINESS LICENSE

Date 3/26/92 By ST
Reviewed by _____

Name of Business Alma Travel

Address 1049 S. Vineyard

Type of Business Travel agency

1. Zone (Circle) C1 C2 C3 M1 (M2) M2.5 EAD R1
R2 R3 RE AR PL SP ARS SA

2. Is this business approved for this zone? (Yes) No (Ord. # _____)
(Use _____)
See attached Plan approval

3. Pull permit packet for:

A. Type of previous business license _____

B. Date of most recent license _____

C. Building occupancy type _____

4. Is this a different type of business? Yes No

5. Is this a change of ownership only? Yes No

6. Will a pre-alteration be required? Yes No

7. Occupancy type _____

8. Occupancy size _____

9. Is this business approved in this location (Building)? Yes No

_____

10. Is business located within the Redevelopment Project Area? Yes No

If located within area license must be approved by the Redevelopment Director.

NOTE: This form must accompany all Commercial and Industrial business license applications.

APPROVED BY _____

COMMENTS 3/26/92 - Approved by Steve Cumbledge, Planning Dept.

CITY OF ONTARIO
CHECK LIST FOR BUSINESS LICENSE

Date 1-21-92 By ST
Reviewed by _____

Name of Business Threshold Technologies

Address 1049 So. Vineyard - Ste. 100 - Ontario, Ca.

Type of Business Aircraft flight crew: provide a service to three separate companies located outside of Ontario, use this office to facilitate this service.

1. Zone (Circle) C1 C2 C3 M1 (M2) M2.5 EAD R1
   R2 R3 RE AR PL SP ARS SA

2. Is this business approved for this zone? Yes (No) (Ord. # _____)
   (Use _____)

3. Pull permit packet for:
   A. Type of previous business license Packet not available
   B. Date of most recent license _____
   C. Building occupancy type B-2

4. Is this a different type of business? (Yes) No

5. Is this a change of ownership only? Yes (No)

6. Will a pre-alteration be required? Yes (No)

7. Occupancy type B-2

8. Occupancy size 1200 ft

9. Is this business approved in this location (Building)? Yes No

10. Is business located within the Redevelopment Project Area? Yes (No)

If located within area license must be approved by the Redevelopment Director.

NOTE: This form must accompany all Commercial and Industrial business license applications.

APPROVED BY _____

COMMENTS 1/29 need letter of description 2/10/92 - The use of an office only is not a permitted use in an M2 zone.

1049 S. Vineyard

CITY OF ONTARIO
CHECK LIST FOR BUSINESS LICENSE

Date 12-15-92 By SR
Reviewed by _____

Name of Business Wells General Aviation Inc.
Address 1049 So. Vineyard, Ontario, Ca. 91761
Type of Business Aircraft maintenance, fuel sales, hanger rental

1. Zone (Circle) C1 C2 C3 M1 (M2) M2.5 EAD R1
   R2 R3 RE AR PL SP ARS SA

2. Is this business approved for this zone? (Yes) No (Ord. #_____)
   (Use_____)

3. Pull permit packet for:
   A. Type of previous business license —
   B. Date of most recent license —
   C. Building Occupancy type B-2

4. Is this a different type of business? (Yes) No
5. Is this a change of ownership? Yes (No)
6. Will a pre-alteration be required? Yes (No)
7. Occupancy type B-2
8. Occupancy size —
9. Is this business approved in this location (Building)? Yes No

10. Is business located within the Redevelopment Project Area? Yes (No)

If located within area license must be approved by the Redevelopment Director.

NOTE: This form must accompany all Commercial and Industrial business license applications.

APPROVED BY _____

COMMENTS Planning Dept. approved 12/22/92 by Lily Campos

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2240		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade	11-8-4	A
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	12-1-4	A

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	12-1-4	A

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: 11-2-4 4/4 6a conduit (2") under Shelby Bldg. A 2" 80' from Bldg
11-05-04 CT STD ; COLUMN FOOTINGS

Address: 1801 E AVION ST ONTA | Permit No. **B200403751** | **City of Ontario Building Department**

Owner	Contractor	Designer		
FEDERAL EXPRESS CORP	WILLIAMSON AND SON CONST INC		Date: 10-25-2004	Val:$65,000.00
2601 MAIN ST	22741 S CANADA CT		Trct:	APN:
IRVINE, CA 92614	LAKE FOREST, CA 92630		Sq.Ft.: 0	Avig:
949-399-4485	949-830-8073 Lic #: 820314 B	Lic #:	Units: 0	Lot: 0
			Stories: 0	Block:
			Occ:	Const:
				DAB #: 0

Intended Permit Use:

Description / Comments: INSTALLATION OF A TRUCK DOCK FACILITY, MECHANICAL PUMPS AND CABLES, CONTROL POWER, AND 4 LIGHT STANDARDS AND ELEC

0

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 820314 Lic. Class B Exp. Date 6-30-05

City Lic. # applied 10/25/04 Expires

Date 10-25-04 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

(X) I have and will maintain Worker's Compensation Insurance.

Policy No.: 25750.2004 Carrier: State Fund

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent — Date: 10-25-04

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$23.50
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$748.75
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$96.40
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(4)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$599.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(8)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$18.00
Service to 200 Amps	(1)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$0.00
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$1,499.30
Total Payments (-)	$1,499.30
Balance Due	**$0.00**

Address: 1244 E COTTONWOOD ST ONTA | Permit No. **B200500544**

City of Ontario Building Department

Owner	Contractor	Designer
PICKETT,DANIEL 1244 E COTTONWOOD ST ONTARIO CA 91761 -7045	ALEX MASONRY 1162 W 2ND ST POMONAT, CA 91766 909-623-6900 Lic #: 841388 C29	Lic #:

Date: 02-11-2005 **Val:** $864.00
Trct: **APN:** 21647149
Sq.Ft.: 288 **Avig:**
Units: 0 **Lot:** 0
Stories: 0 **Block:**
Occ: **Const:**
DAB #: 0 **Var:** 0

Intended Permit Use:

Description / Comments:CITY STANDARD BLOCK WALL TO BE ON OWNER PROPERTY (63'L X 3'H no permit required) & 48'L X 6'H

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 841388 Lic. Class C29 Exp. Date 6/30/2006

City Lic. # OK Expires

Date 2/11/2005 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date Signature of Owner

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.: Carrier:

(X) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent — Date 2/11/2005

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$23.50
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$35.70
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$0.00
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$23.50
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.50
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$35.70
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$1.50
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$0.00
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$120.40
Total Payments (-)	$120.40
Balance Due	**$0.00**

City of Ontario
Building Department

INSPECTION REQUESTS 909-395-2361

POST this in a conspicuous place on the job.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2940		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final		

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final		

BLOCKWALL APPROVALS		
Setback & Footing	2-25-05	
Bond Beam & Vertical Steel	3-7-05	
Final	3/3/05	

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC # TI-98-172 VAR # DAB/FILE #

BUILDING ADDRESS 2161 E. AVION ST.

OWNER SO. CA. EDISON

MAILING ADDRESS 2161 E. AVION ST.

CITY ONTARIO ZIP 91761 TEL.

CONTRACTOR THE AUSTIN CO.

ADDRESS 27 TECHNOLOGY DRIVE

CITY IRVINE ZIP 92618 TEL. (949) 453-1000

STATE LIC. & CLASSIF. B 362256 CITY LIC. NO. 47331

ARCH., ENGR. DESIGNER THE AUSTIN CO.

ADDRESS 27 TECHNOLOGY DRIVE TEL. (949) 453-1000

CITY IRVINE ZIP 92618 STATE LIC. NO.

INTENDED PERMIT USE: TENANT IMPROVEMENT

SQ. FT. SIZE	NO. STORIES	NO. DW. UNITS
11,640	1	N/A

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B License No. 362256

Expiration Date 4/30/99 Contractor Signature James A Reynolds

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier TRAVELERS INDEMNITY OF IL Expiration Date 12/31/00

Policy Number TIB260T724-2-77

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become sujbect to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 2/12/99 Applicant: James A Reynolds

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
TI	1,635.	35.70	58,370
		TOTAL VALUATION	58,370

BUILDING PERMIT FEES

PERMIT @	1000	440	15
PLAN CHECK BLDG. DEPT. Upd. 8/31/98	1001		
~~PARK & REC. FEE SFR~~ Energy	1000 ~~1003~~	41	02
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006	122	26
SEWER CAPITAL ASSESSMENT FEE	1007		
PLAN CHECK EXPEDITING FEE	1680		
MICROFILMING	1670	40	50
MISC.			
TOTAL		503	93

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRAINS		

TOTAL FIXTURES _____ @$ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP @ ¢

SWITCHES, RECEPTACLES @

LIGHTING FIXTURES @

SERVICE @

NO. MOTORS @

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. 1300

MECH. FEES

HEATING M/BTU

A/C M/BTU

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $ 503.93

PERMIT NO. 116830 DATE 2/12/99

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

James A. Reynolds 2/12/99

Signature of Applicant or Agent Date

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street Setback from Center Line _____ R/W

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: _____

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VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME / INITIAL / REMARKS
SETBACKS			
FOOTINGS/FORMS/STEEL/~~UFER~~	~~3/16/99~~		
U. GRND PLUMBING			3-9-99 NOT READY VT
U. GRND ELECT.			
SLAB GRADE	3/16/99	Blaylock	
SHEAR PANELS EXTERIOR			
SHEAR PANELS INTERIOR			
ROOF SHEATHING			
ROUGH ELECTRIC			
ROUGH PLUMBING			
ROUGH MECHANICAL			
FLOOR FRAMING			
FLOOR SHEATHING			
ROOF COVERING			
ROUGH FRAMING	3/18/99	Blaylock	
CONCRETE PANELS			
CONNECTIONS POUR STRIP			
ENERGY CONSERVATION			
MASONRY BOND BEAM			
LATH-EXTERIOR			
DRY WALL NAIL	3/22/99	Blaylock	
SUSPENDED CEILING	4/15/99	Blaylock	
GAS TEST			
POOL STEEL/BOND/LINER			
SPA PLBG./SPA HTG.			
POOL FENCE OK TO PLASTER			
ROOF DRAINS			
WATER SERVICE			
SEWER			
STORM DRAIN			
COMPACTION REPORT			
ROUGH GRADING			
FINAL GRADING			
FINAL PLUMBING			
FINAL ELECTRIC			
ELECTRIC SRV'S GRD & BOND			
FINAL MECHANICAL			
FINAL BUILDING	4/29/99	Blaylock	
FINAL POOL/SPA			
EDISON CO. CALLED			
GAS CO. CALLED			
OTHER DEPARTMENT REQUIREMENTS			
PLANNING			
ENGINEERING			
POLICE			
FIRE			
PUBLIC FACILITIES			
PUBLIC SERVICES			
TEMP. CO. ISSUED			
C.O. ISSUED			

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC # _____ VAR # _____ DAB/FILE # _____

BUILDING ADDRESS 2161 E. AVION 1ST FLR.
OWNER So. Cal Edison
MAILING ADDRESS Same
CITY Ont ZIP 91762 TEL.
CONTRACTOR Control Air
ADDRESS 2301 Glassell St.
CITY Orange CA ZIP 92865 TEL. 714 [illegible]
STATE LIC. & CLASSIF. 369439 C-20 CITY LIC. NO. ORG2
ARCH., ENGR., DESIGNER
ADDRESS TEL.
CITY ZIP STATE LIC. NO.
INTENDED PERMIT USE: Mechanical for TI
SQ. FT. SIZE NO. STORIES NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Class C-20 License No. 369439
Expiration Date 2-28-01 Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:
Carrier Fremont Expiration Date 1-1-00
Policy Number WN9977928101

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 3-4-99 Applicant: _____

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).
Lender's Name _____
Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 5 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit from that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

_____ 3/4/99
Signature of Applicant or Agent Date

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____
_____ Rear Setback from Rear Property Line
_____ Side Street setback from Center Line _____ R/W _____
_____ Side Setback from Property Line
_____ Side Setback from Property Line

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

NOTE: _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT @ 116830	1000	
PLAN CHECK BLDG. DEPT.	1001	
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	3 00
MISC.		
TOTAL		300

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	
WATER CLOSETS			INTERCEPTORS	
LAVATORIES	SINKS		DRAINS	

TOTAL FIXTURES _____ @$ _____
WATER HEATERS/POOL • SPA HEATER
WATER ☐ GAS ☐ PIPING
PERMIT FEES @
TOTAL PLUMBING FEES ACCT. 1100
HOUSE SEWER @ SEP. PIT SEPTIC TANK
PERMIT FEES @
TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP	@ ¢	
SWITCHES, RECEPTACLES	@	
LIGHTING FIXTURES	@	
SERVICE	@	
NO. MOTORS	@	
PERMIT FEES	@	
TOTAL ELECTRICAL FEES	ACCT. 1300	

MECH. FEES

HEATING	M/BTU	
A/C	M/BTU 5-under 100, Ductwork-exhaust fan	66 25
		16 00
PERMIT FEE @		22 00
TOTAL MECHANICAL FEES	ACCT. 1400	104 25

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. 1500	

SEWER ASSESSMENT FEES PAID	YES	NO
AVIGATION AGREEMENT REQUIRED	YES	NO

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $ 104.25

PERMIT NO. 11705 DATE 3/4/99

03-05-1704/01-1733/01-3210 4/$107.25

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APPLICATION ONLY
BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL	4/15/99	Blay
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL	4/29/99	Blay
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC # _____ VAR # _____ DAB/FILE # _____

BUILDING ADDRESS: 2161 AVION ST. SCE SERVICE FACILITY

OWNER: SCE

MAILING ADDRESS: Same

CITY: Ontario ZIP: 91761 TEL:

CONTRACTOR: Elite Plumbing INC.

ADDRESS: 823-B-ST. GERTRUDE PLACE

CITY: SANTA ANA ZIP: 92705 TEL: 714-258-7367

STATE LIC. & CLASSIF.: 702185 C-36 CITY LIC. NO.: 34816

ARCH., ENGR., DESIGNER

ADDRESS TEL.

CITY ZIP STATE LIC. NO.

INTENDED PERMIT USE: Plumbing for TI

SQ. FT. SIZE | NO. STORIES | NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-36 License No. 702185

Expiration Date 2-28-2001 Contractor Signature Bruce Burgett

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier STATE FUND Expiration Date 1-1-00

Policy Number 046-99

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 3-3-99 Applicant: Bruce Burgett

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

X Bruce Burgett — Signature of Applicant or Agent

X 3-3-99 — Date

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: _____

03-03-1999/01-00760732/01-321027/$92.75

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

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APPLICATION ONLY

BUILDING DEPARTMENT COPY

	OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
			TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT @ 116830	1000		
PLAN CHECK BLDG. DEPT.	1001		
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006		
SEWER CAPITAL ASSESSMENT FEE	1007	[redacted]	
PLAN CHECK EXPEDITING FEE	1680		
MICROFILMING	1670	9	60
MISC.			
TOTAL		[redacted]	

PLUMBING FEES

BATHTUBS / SHOWERS		URINALS	5 00
WATER CLOSETS		INTERCEPTORS	
LAVATORIES / SINKS	2	DRAINS	1
Eye Wash 12 Floors. 1			
TOTAL FIXTURES 16 @$ 8.75			52 50
WATER HEATERS/POOL • SPA HEATER Electro			11 00
WATER ☒ GAS ☐ PIPING			4 25
PERMIT FEES @			22 00
TOTAL PLUMBING FEES		ACCT. 1100	89 75
HOUSE SEWER @		SEP. PIT / SEPTIC TANK	
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES		ACCT. 1200	

ELECTRICAL FEES

OCC. GROUP @ ¢		
SWITCHES, RECEPTACLES @		
LIGHTING FIXTURES @		
SERVICE @		
NO. MOTORS @		
PERMIT FEES @		
TOTAL ELECTRICAL FEES	ACCT. 1300	

MECH. FEES

HEATING M/BTU		
A/C M/BTU		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. 1400	

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. 1500	
SEWER ASSESSMENT FEES PAID YES	NO	
AVIGATION AGREEMENT REQUIRED YES	NO	

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $ [redacted]

PERMIT NO. 117024 DATE 3/3/99

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING	3/8/99	Blaylock
U. GRND ELECT		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING	3/18/99	Blaylock
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER *	3/9/99	Blaylock
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING	4/29/99	Blaylock
FINAL ELECTRIC		
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

* PRIVATE SYSTEM

SEWER DIAGRAM

TRACT # _____
LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____
APN _____

PC # VAR # DAB/FILE #

BUILDING ADDRESS 2161 E. AVION
OWNER MERCURY AIR GROUP, INC.
MAILING ADDRESS 2161 E. AVION ST.
CITY ONTARIO CA ZIP 91761 TEL.
CONTRACTOR CAUSEY ELECTRIC, INC.
ADDRESS 3 VANDERBILT
CITY IRVINE CA ZIP 92618 TEL. 949-855-9460
STATE LIC. & CLASSIF. C10-331064 CITY LIC. NO. 17705
ARCH., ENGR., DESIGNER
ADDRESS TEL.
CITY ZIP STATE LIC. NO.
INTENDED PERMIT USE: Electrical

SQ. FT. SIZE | NO. STORIES | NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C10 License No. 331064
Expiration Date 8-31-2000 Contractor Signature John Reagan

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier AMERICAN AUTO INS. Expiration Date 10-1-99
Policy Number WP 8078717D

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 3-3-99 Applicant: John Reagan

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____
Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT @ 116830	1000		
PLAN CHECK BLDG. DEPT.	1001		
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006		
SEWER CAPITAL ASSESSMENT FEE	1007		
PLAN CHECK EXPEDITING FEE	1680		
MICROFILMING	1670	3	00
MISC.			
TOTAL		3	00

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRAINS		
TOTAL FIXTURES _____ @$ _____					
WATER HEATERS/POOL • SPA HEATER					
WATER ☐ GAS ☐ PIPING					
PERMIT FEES @					
TOTAL PLUMBING FEES			ACCT. 1100		
HOUSE SEWER @		SEP. PIT	SEPTIC TANK		
PERMIT FEES @					
TOTAL HOUSE SEWER & SANITATION FEES			ACCT. 1200		

ELECTRICAL FEES

OCC. GROUP 3 Panels	¢	48	75
SWITCHES, RECEPTACLES 25 @			
LIGHTING FIXTURES 88 @		80	45
SERVICE ~~3 PANELS~~ / 1 TRANSFORMER (75 KVA) 4		25	
NO. MOTORS 6. @ 1 to 10 H.P		66	00
PERMIT FEES @		22	00
TOTAL ELECTRICAL FEES ACCT. 1300		961	45

MECH. FEES

HEATING M/BTU	
A/C M/BTU	
PERMIT FEE @	
TOTAL MECHANICAL FEES ACCT. 1400	

GRADE FEES

CUBIC YARDS	
TOTAL GRADING FEES ACCT. 1500	

SEWER ASSESSMENT FEES PAID	YES	NO
AVIGATION AGREEMENT REQUIRED	YES	NO

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $1024.45

PERMIT NO. 117023 DATE 3/3/99

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

John Reagan 3-3-99
Signature of Applicant or Agent Date

DEPARTMENT USE ONLY

Minimum Setback Distances Zone _____ NOTE: _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side (Street) Setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

03-03-1999 10:09:00 03-03-99 $1024.45

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

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APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC *		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	4/29/99	Blaylock
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ **INITIAL** _____

REMARKS

* WALLS ONLY 3/18/99 — KEB

SEWER DIAGRAM

TRACT # _____
LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____
APN _____

PC # E-98-27 DATE # DAB/FILE #

BUILDING ADDRESS 2161 E AVION ST

OWNER MERCURY AIR

MAILING ADDRESS 2161 E. AVION ST

CITY ONTARIO ZIP TEL.

CONTRACTOR ADVANCE PETROLEUM

ADDRESS 7090 ARROWHEAD

CITY R.C. ZIP 91701 TEL (909) 466-9947

STATE LIC. & CLASSIF. 613143 A, HAZ CITY LIC. NO. 35555

ARCH., ENGR., DESIGNER

ADDRESS TEL.

CITY ZIP STATE LIC. NO.

INTENDED PERMIT USE: Elec. for monitoring system

SQ. FT. SIZE NO. STORIES NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A, HAZ License No. 613143

Expiration Date 2/28/99 Contractor Signature

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier SUPECO Expiration Date 11/1/99

Policy Number NFC 1200079912

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 12/15/98 Applicant:

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT @	1000	
PLAN CHECK BLDG. DEPT.	1001	55
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	9 00
MISC.		
TOTAL		900

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS
WATER CLOSETS			INTERCEPTORS
LAVATORIES	SINKS		DRAINS

TOTAL FIXTURES _____ @$ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP	@ ¢	
SWITCHES, RECEPTACLES	@	
LIGHTING FIXTURES	@	
SERVICE	@	
NO. MOTORS	@	
Elec for monitoring system		9 00
PERMIT FEES @		46 00
TOTAL ELECTRICAL FEES ACCT. 1300		55 00

MECH. FEES

HEATING	M/BTU	
A/C	M/BTU	
PERMIT FEE @		
TOTAL MECHANICAL FEES ACCT. 1400		

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES ACCT. 1500		

SEWER ASSESSMENT FEES PAID	YES	NO	
AVIGATION AGREEMENT REQUIRED	YES	NO	

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $964.00

PERMIT NO. 116164 DATE 12/15/98

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent — Date 12/15/98

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: _____

12-15-1998/01-0064789/01-3210/964.00

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

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APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.	12/16 [illegible]	
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	1-12-99	Blaylock
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

TRACT # _____ LOT # E-98-2

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

E-98-2 | VAR # | DAB/FILE #

BUILDING ADDRESS 2161 E. Avion Dr, Ontario, CA

OWNER Mercury Air Center

MAILING ADDRESS 2161 E. Avion Dr, Ontario, CA

CITY | ZIP | TEL.

CONTRACTOR Advance Petroleum

ADDRESS 7090 Archibald Ave, Suite B

CITY Rancho Cucamonga ZIP 91701 TEL. 909.466.9914

STATE LIC. & CLASSIF. 6/31/43 CITY LIC. NO.

ARCH., ENGR., DESIGNER Andrew Paszteko

ADDRESS 3913 Eagle Rock Blvd. TEL. 323.257.4892

CITY LA ZIP 90065 STATE LIC. NO. Ext 11

INTENDED PERMIT USE: fueling facility

SQ. FT. SIZE	NO. STORIES	NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ License No. _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ **Expiration Date** _____

Policy Number _____

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PLAN CHECK DNT

BUILDING PERMIT FEES

PERMIT @	1000		
PLAN CHECK BLDG. DEPT.	1001	42	00
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006		
SEWER CAPITAL ASSESSMENT FEE	1007		
PLAN CHECK EXPEDITING FEE	1680		
MICROFILMING	1670	3	00
MISC.			
TOTAL		45	00

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRAINS		

TOTAL FIXTURES _____ @$ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ | SEP. PIT | SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP @ ¢

SWITCHES, RECEPTACLES @

LIGHTING FIXTURES @

SERVICE @

NO. MOTORS @

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. 1300

MECH. FEES

HEATING M/BTU

A/C M/BTU

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $ 45 00

PERMIT NO. PC DATE 11/10/98

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

_____ _____

Signature of Applicant or Agent **Date**

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street Setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: _____

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VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

TRACT # _____

LOT # 172

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____

APN _____

PC I-98-1007 DAB/FILE #

BUILDING ADDRESS 2161 E. AVION ST

OWNER Southern Calif. Edison

MAILING ADDRESS 2161 E Avion St.

CITY Ontario ZIP _____ TEL. _____

CONTRACTOR _____

ADDRESS _____

ZIP _____ TEL. _____

STATE LIC. & CLASSIF. _____ CITY LIC. NO. _____

ARCH., ENGR., DESIGNER The Austin Company

ADDRESS 27 Technology Drive TEL 949-453-1000

CITY Irvine ZIP 92618 STATE LIC. NO. _____

INTENDED PERMIT USE: Tenant Improvement

SQ. FT. SIZE 11,640 ± NO. STORIES 1 NO. DW. UNITS —

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ License No. _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ exempt under Sec. _____ Business and Professions Code for this reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

_____ 8/31/98

Signature of Applicant or Agent Date

BUILDING PERMIT FEES

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
TI	1,635	35.70	58,370.
PLAN CHECK ONLY			
		TOTAL VALUATION	58,370.

PERMIT @	410.15	1000	410 15
PLAN CHECK BLDG. DEPT.	41.02	1001	41 02
~~PARK & REC. FEE SFR~~ Energy	1001	~~1003~~	
PARK & REC. FEE MFR		1004	
EARTHQUAKE FEE RES.		1005	
EARTHQUAKE FEE COMM.	$12.26	1006	
SEWER CAPITAL ASSESSMENT FEE		1007	
PLAN CHECK EXPEDITING FEE		1680	
MICROFILMING	$10.50	1670	300
MISC.	$503.93		
		TOTAL	454 17

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS
WATER CLOSETS			INTERCEPTORS
LAVATORIES	SINKS		DRAINS

TOTAL FIXTURES _____ @$ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP @ ¢

SWITCHES, RECEPTACLES @

LIGHTING FIXTURES @

SERVICE @

NO. MOTORS @

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. 1300

MECH. FEES

HEATING M/BTU

A/C M/BTU

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $454.17

PERMIT NO. PC only DATE 8/31/98

DEPARTMENT USE ONLY

Zone _____ NOTE: _____

m Setback Distances

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

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APPLICATION ONLY

BUILDING DEPARTMENT COPY

10/05/98 10:47:55 10-01-98 10:47:55 10-01-98 10:47:55

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

TRACT # _____

LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____

APN _____

PC # M-99-101 DAB/FILE #

BUILDING ADDRESS 2161 E. AVION ST.

OWNER SOUTHERN CALIFORNIA EDISON

MAILING ADDRESS 2161 E. AVION ST.

CITY | ZIP | TEL.

CONTRACTOR

ADDRESS

ZIP | TEL.

LIC. & CLASSIF. | CITY LIC. NO.

ARCH., ENGR., DESIGNER THE AUSTIN COMPANY

ADDRESS 27 TECHNOLOGY DR. TEL 949-453-1000

CITY IRVINE ZIP 92618 STATE LIC. NO.

INTENDED PERMIT USE: HOIST & PLATFORM

SQ. FT. SIZE | NO. STORIES 1 | NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ License No. _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3/31/99

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

___ Front Setback from Center Line _____ R/W _____

___ Rear Setback from Rear Property Line

___ Side Street setback from Centerline _____ R/W _____

___ Side Setback from Property Line

___ Side Setback from Property Line

NOTE: _____

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

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APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
PLAN CHECK ONLY			
		TOTAL VALUATION	120,000

PERMIT @	1000		
PLAN CHECK BLDG. DEPT.	1001	186	71
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006		
SEWER CAPITAL ASSESSMENT FEE	1007		
PLAN CHECK EXPEDITING FEE	1680		
MICROFILMING	1670		300
MISC.			
TOTAL			189 71

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRAINS		

TOTAL FIXTURES _____ @$ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ | SEP. PIT | SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP	@	¢
SWITCHES, RECEPTACLES	@	
LIGHTING FIXTURES	@	
SERVICE	@	
NO. MOTORS	@	
PERMIT FEES	@	
TOTAL ELECTRICAL FEES	ACCT. 1300	

MECH. FEES

HEATING	M/BTU	
A/C	M/BTU	
PERMIT FEE	@	
TOTAL MECHANICAL FEES	ACCT. 1400	

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. 1500	

SEWER ASSESSMENT FEES PAID	YES	NO
AVIGATION AGREEMENT REQUIRED	YES	NO

PAYOR: CONTR/OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $ 189.71

PERMIT NO. PC only DATE 3/31/99

TL 68T$/GTTRC-IO/0880800-IO/6661-IC-20

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

TRACT # _____
LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____
APN _____

PC # M-98-180 VAR # DAB/FILE #

BUILDING ADDRESS 2132 E. AVION
OWNER CITY of L.A.
MAILING ADDRESS 2132 E. AVION
CITY ONTARIO ZIP 91761 TEL 909 937273
CONTRACTOR CITY of LOS ANGELES
ADDRESS 2132 E. AVION
CITY ONTARIO ZIP 91761 TEL 937-2730
STATE LIC. & CLASSIF. CITY LIC. NO.
ARCH., ENGR. DESIGNER GEORGE H. GRIFFIN P.E.
ADDRESS 1202 MONTE VISTA TEL 946-3005
CITY UPLAND ZIP 91789 STATE LIC. NO. C 28834
INTENDED PERMIT USE: GARAGE

SQ. FT. SIZE	NO. STORIES	NO. DW. UNITS
4500	1	

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ License No. _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

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☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

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I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
Garage	4500	22.10	99,450
		TOTAL VALUATION	99,450

BUILDING PERMIT FEES

PERMIT @	1000	887 25
PLAN CHECK BLDG. DEPT.	1001	
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	20 85
SEWER CAPITAL ASSESSMENT FEE	1007	892 41
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	189 00
MISC.		
TOTAL		1989 51

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	
WATER CLOSETS			INTERCEPTORS	
LAVATORIES	SINKS		DRAINS	3

TOTAL FIXTURES 3 @$ 8.75 = 26 25
WATER HEATERS/POOL • SPA HEATER
WATER ☒ GAS ☐ PIPING 4 25
PERMIT FEES @ 22 00
TOTAL PLUMBING FEES ACCT. 1100 52 50
HOUSE SEWER @ SEP. PIT SEPTIC TANK
PERMIT FEES @
TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP		@	¢
SWITCHES, RECEPTACLES		@	
LIGHTING FIXTURES	6	@	6 00
SERVICE		@	
NO. MOTORS		@	
PERMIT FEES		@	22 00
TOTAL ELECTRICAL FEES		ACCT. 1300	28 00

MECH. FEES

HEATING M/BTU
A/C M/BTU
PERMIT FEE @
TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS
TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID YES NO
AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER TOTAL ALL FEES (PAYABLE AMOUNT) $2070.0

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PERMIT NO. 115952 DATE 11/19/98

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 4-19-98

DEPARTMENT USE ONLY

Minimum Setback Distances Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: School Fees Paid
Of-Site Paid

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/~~UFER~~	1-6-99	BL
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING	6-29-99	[illegible]
FINAL ELECTRIC	6-29-99	[illegible]
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING CANADA	5-07-99	[illegible]
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL. _____

REMARKS

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC M-98-264 DAB/FILE #

BUILDING ADDRESS 2132 E. AVION Street

OWNER ONTARIO, INT'L Airports/MAINTENANCE

MAILING ADDRESS

CITY ONTARIO CA ZIP 91761 TEL (909) 937-2730

CONTRACTOR BOOTH WORKS

ADDRESS 312 N. NORA AVE

CITY W. COVINA CA ZIP 91790 TEL 626-814-3730

STATE LIC. & CLASSIF. 531509 B CITY LIC. NO. ORB2

ARCH., ENGR., DESIGNER N/A

ADDRESS TEL.

CITY ZIP STATE LIC. NO.

INTENDED PERMIT USE: INSTALL PRE/FAB PAINT BOOTH

SQ. FT. SIZE	NO. STORIES	NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B License No. 531509

Expiration Date 5/31/00 Contractor Signature

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

X ☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 11/18/98 Applicant:

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	15,000

BUILDING PERMIT FEES

PERMIT @	1000	224 75
PLAN CHECK BLDG. DEPT. 146.09 pd 8/27/98	1001	
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	3 15
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	33 00
MISC.		
TOTAL		260 90

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	
WATER CLOSETS			INTERCEPTORS	
LAVATORIES	SINKS		DRAINS	
TOTAL FIXTURES _____ @$ _____				
WATER HEATERS/POOL • SPA HEATER				
WATER ☐ GAS ☐ PIPING				
PERMIT FEES @				
TOTAL PLUMBING FEES			ACCT. 1100	
HOUSE SEWER @		SEP. PIT	SEPTIC TANK	
PERMIT FEES @				
TOTAL HOUSE SEWER & SANITATION FEES			ACCT. 1200	

ELECTRICAL FEES

OCC. GROUP @ ¢		
SWITCHES, RECEPTACLES @		
LIGHTING FIXTURES 8 @		8 00
SERVICE @		
NO. MOTORS 1 @ 2hp		11 00
PERMIT FEES @		12 00
TOTAL ELECTRICAL FEES ACCT. 1300		41 00

MECH. FEES

HEATING M/BTU	
A/C M/BTU	
PERMIT FEE @	
TOTAL MECHANICAL FEES ACCT. 1400	

GRADE FEES

CUBIC YARDS	
TOTAL GRADING FEES ACCT. 1500	

SEWER ASSESSMENT FEES PAID	YES	NO	
AVIGATION AGREEMENT REQUIRED	YES	NO	

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $ 301.90

PERMIT NO. 115938 DATE 11/18/98

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent — Date 11/18/98

DEPARTMENT USE ONLY

Minimum Setback Distances

Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: _____

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06'TOS\$/COTZC-TO/TS/0990-TO/866T-8I-WT

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	1-6-99	
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING	1-6-99	
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC # M98-166 VAR # DAB/FILE #

BUILDING ADDRESS 2132 E. AVION

OWNER CITY OF LOS ANGELES

MAILING ADDRESS TERMINAL WAY

CITY LOS ANGELES ZIP TEL.

CONTRACTOR M.R. BRACEY CONSTRUCTION CO. INC

ADDRESS 646 W. CALIFORNIA ST

CITY ONTARIO ZIP 91762 TEL 9838611

STATE LIC. & CLASSIF. 203237 A, B CITY LIC. NO. 00433

ARCH., ENGR. DESIGNER VAN DAM ENGINEERING

ADDRESS 1844 W 11TH ST TEL 931-5070

CITY UPLAND ZIP 91786 STATE LIC. NO. 39986

INTENDED PERMIT USE: GAS ISLAND COVER

SQ. FT. SIZE 375 NO. STORIES 1 NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A, B License No 203237

Expiration Date 3/99 Contractor Signature [signature]

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Unicare Expiration Date 1/1/99

Policy Number SDS001981138

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 9/16/98 Applicant [signature]

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name NONE

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

[signature] 9/16/98

Signature of Applicant or Agent Date

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: _____

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VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
Canopy	375	24.70	9,263.
		TOTAL VALUATION	9,263.

PERMIT @	1000	162.25
PLAN CHECK BLDG. DEPT: pd. 105.46	1001	
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	19.50
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	19.50
MISC.		
TOTAL		183.70

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	
WATER CLOSETS			INTERCEPTORS	
LAVATORIES	SINKS		DRAINS	

TOTAL FIXTURES _____ @$ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP @ ¢

SWITCHES, RECEPTACLES @

LIGHTING FIXTURES @

SERVICE @

NO. MOTORS @

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. 1300

MECH. FEES

HEATING M/BTU

A/C M/BTU

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $183.70

PERMIT NO. 115185 DATE 9/16/98

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/~~UEEP~~	11-12-98	B
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	1-6-99	R
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL ____

REMARKS

SEWER DIAGRAM

TRACT # _____
LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____
APN _____

PC # VAR # DAB/FILE #

BUILDING ADDRESS 2132 E AVION DR
OWNER L.A. WORLD AIRPORTS
MAILING ADDRESS 1 MAINTENANCE DIVISION 2132 E AVION DR
CITY Ontario, Ca. ZIP TEL 909 937-8472
CONTRACTOR ALL AREA PLUMBING, INC
ADDRESS 5745 VENICE BLVD
CITY L.A. ANGELES ZIP 90019 TEL 323 937-9990
STATE LIC. & CLASSIF. 683230 C-36 CITY LIC. NO.
ARCH., ENGR., DESIGNER
ADDRESS TEL
CITY ZIP STATE LIC. NO.
INTENDED USE Replace/Repair Gas Line

SQ. FT. SIZE | NO. STORIES | NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C36 License No. 683230
Expiration Date 12-31-99 Contractor Signature Robert D Fely

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Alco Casualty Expiration Date 1-1-00
Policy Number WCS 110566-00

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 3-3-99 Applicant: Robert D Fely

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____
Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____
_____ Rear Setback from Rear Property Line
_____ Side Street setback from Center Line _____ R/W _____
_____ Side Setback from Property Line
_____ Side Setback from Property Line

03-03-1999/01-007596/01-32101/$58.00

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

NOTE: _____

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	OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
			TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT @	1000		
PLAN CHECK BLDG. DEPT.	1001		
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006		
SEWER CAPITAL ASSESSMENT FEE	1007		
PLAN CHECK EXPEDITING FEE	1680		
MICROFILMING	1670	3	00
MISC.			
TOTAL		3	00

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRAINS		
TOTAL FIXTURES _____ @$ _____					
WATER HEATERS/POOL • SPA HEATER					
WATER ☐ GAS ☑ PIPING				9	75
PERMIT FEES @				45	25
TOTAL PLUMBING FEES			ACCT. 1100	55	00
HOUSE SEWER @	SEP. PIT	SEPTIC TANK			
PERMIT FEES @					
TOTAL HOUSE SEWER & SANITATION FEES			ACCT. 1200		

ELECTRICAL FEES

OCC. GROUP	@ ¢	
SWITCHES, RECEPTACLES	@	
LIGHTING FIXTURES	@	
SERVICE	@	
NO. MOTORS	@	
PERMIT FEES @		
TOTAL ELECTRICAL FEES	ACCT. 1300	

MECH. FEES

HEATING	M/BTU	
A/C	M/BTU	
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. 1400	

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. 1500	

SEWER ASSESSMENT FEES PAID	YES	NO	
AVIGATION AGREEMENT REQUIRED	YES	NO	

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $58.00

PERMIT NO. 117017 DATE 3/3/99

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST #60	3/8/99	Blaylock
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC-98-248 DAB/FILE #

BUILDING ADDRESS 2132 AVION ST.

OWNER ONTARIO INT'L AIRPORT/MAINTENANCE

MAILING ADDRESS SAME.

CITY ONTARIO ZIP 91761 TEL (909) 937 2730

CONTRACTOR BOOTH WORKS

ADDRESS 312 N. NORA AVE.

W. COVINA. ZIP 91790 TEL (626) 814 2730

STATE LIC. & CLASSIF. 531509 B. CITY LIC. NO.

ARCH., ENGR., DESIGNER N/A.

ADDRESS TEL.

CITY ZIP STATE LIC. NO.

INTENDED PERMIT USE: INSTALL PRE-FAB SPRAY BOOTH.

SQ. FT. SIZE	NO. STORIES	NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B License No. 531509

Expiration Date 5/31/2000 Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

I exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☑ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 08/27/98 Applicant: Robert Porter

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Robert Porter 8/27/98

Signature of Applicant or Agent Date

BUILDING PERMIT FEES

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
Plan Check ONLY			
		TOTAL VALUATION	15,000.

PERMIT @	1000	
PLAN CHECK BLDG. DEPT.	1001	146 09
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	300
MISC. SPRAY BOOTH.		
TOTAL		149 09

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	
WATER CLOSETS			INTERCEPTORS	
LAVATORIES	SINKS		DRAINS	

TOTAL FIXTURES _____ @$ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP @ ¢

SWITCHES, RECEPTACLES @

LIGHTING FIXTURES @

SERVICE @

NO. MOTORS @

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. 1300

MECH. FEES

HEATING M/BTU

A/C M/BTU

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $149.09

PERMIT NO. PC only DATE 8/27/98

DEPARTMENT USE ONLY

Zone _____

Setback Distances

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: Scanned

06-27-1998/01:55/01-0048135/01-361151/$149.09

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
ELECTRIC SRV'S GRD & BOND		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. C.O. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL ____

REMARKS

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC M98-180 VAR # _____ DAB/FILE # _____

BUILDING ADDRESS 2132 E Avion

OWNER CITY OF L.A

MAILING ADDRESS 2132 E Avion

ONTARIO ZIP 91671 TEL. 937-2730

CONTRACTOR CITY OF LOS ANGELES

ADDRESS 2132 E Avion

CITY ONTARIO ZIP 91761 TEL 937-2730

STATE LIC. & CLASSIF. _____ CITY LIC. NO. _____

ARCH., ENGR., DESIGNER George H. Griffin P.E

ADDRESS 1202 Monte Vista TEL 946-3005

CITY Upland ZIP 91789 STATE LIC. NO. C28834

INTENDED PERMIT USE: GARAGE

SQ. FT. SIZE 4500 | NO. STORIES 1 | NO. DW. UNITS _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ License No. _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

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☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 7-2-98

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OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
Garage	4500	21.50	96,750
Plan Check Only		TOTAL VALUATION	96,750

BUILDING PERMIT FEES

PERMIT @	1000		
PLAN CHECK BLDG. DEPT.	1001	364	5
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006		
SEWER CAPITAL ASSESSMENT FEE	1007		
PLAN CHECK EXPEDITING FEE	1680		
MICROFILMING	1670	3	00
MISC.			
TOTAL		567	5

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRAINS		

TOTAL FIXTURES _____ @$ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ | SEP. PIT | SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP @ ¢

SWITCHES, RECEPTACLES @

LIGHTING FIXTURES @

SERVICE @

NO. MOTORS @

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. 1300

MECH. FEES

HEATING M/BTU

A/C M/BTU

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $567.5

PERMIT NO. PC DATE 7/2/98

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: PO # 820583-013
Bob Haines - 937-2730
X 39

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
ROUGH ELECTRIC		
ROUGH PLUMBING		
PLBG. TOP OUT		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
SHEAR PANELS		
CONCRETE PANELS		
CONNECTIONS/POUR STRIP		
ENERGY CONSERVATION		
FIREPLACE-THROAT		
FIREPLACE-BOND BEAM		
FIREPLACE-TOP OUT		
MASONARY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER/CESSPOOL/LEACH LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. C.O. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

M-98-161 VAR # _____ DAB/FILE # _____

BUILDING ADDRESS 2132 E. ANION

OWNER CITY OF LOS ANGELES

MAILING ADDRESS TERMINAL WAY

CITY Los ANGELES ZIP _____ TEL. _____

CONTRACTOR M.R. BRACEY CONSTRUCTION CO., INC.

ADDRESS 640 WEST CALIFORNIA ST

CITY ONTARIO ZIP 91762 TEL. 9838611

STATE LIC. & CLASSIF. 203237 A; B CITY LIC. NO. _____

ARCH., ENGR. DESIGNER VAN DAM ENGINEERING

ADDRESS 1844 W. 11TH ST TEL. 931 5070

CITY UPLAND ZIP 91786 STATE LIC. NO. 39986

INTENDED PERMIT USE: GAS ISLAND COVER

SQ. FT. SIZE 375 | NO. STORIES 1 | NO. DW. UNITS _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A, B License No. 203237

Expiration Date 3/99 Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

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Iam exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

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☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
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Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name NONE

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of thi city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 6/18/98

...um Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

06-18-1998/01:00PM 00724703-00724703 - 2611/$108.44

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
Canopy	375	24.70	9,263
		TOTAL VALUATION	9,263.

BUILDING PERMIT FEES

PERMIT @	1000		
PLAN CHECK BLDG. DEPT.	1001	105	44
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006		
SEWER CAPITAL ASSESSMENT FEE	1007		
PLAN CHECK EXPEDITING FEE	1680		
MICROFILMING	1670	3	00
MISC.			
TOTAL		108	44

PLAN CHECK ONLY

PLUMBING FEES

BATHTUBS / SHOWERS		URINALS	
WATER CLOSETS		INTERCEPTORS	
LAVATORIES / SINKS		DRAINS	
TOTAL FIXTURES _____ @$ _____			
WATER HEATERS/POOL • SPA HEATER			
WATER ☐ GAS ☐ PIPING			
PERMIT FEES @			
TOTAL PLUMBING FEES	ACCT. 1100		
HOUSE SEWER @	SEP. PIT / SEPTIC TANK		
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT. 1200		

ELECTRICAL FEES

OCC. GROUP @ ¢		
SWITCHES, RECEPTACLES @		
LIGHTING FIXTURES @		
SERVICE @		
NO. MOTORS @		
PERMIT FEES @		
TOTAL ELECTRICAL FEES	ACCT. 1300	

MECH. FEES

HEATING M/BTU		
A/C M/BTU		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. 1400	

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. 1500	
SEWER ASSESSMENT FEES PAID	YES NO	
AVIGATION AGREEMENT REQUIRED	YES NO	

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $108.44

PERMIT NO. DC DATE 6/18/98

NOTE: _____

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

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APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
ROUGH ELECTRIC		
ROUGH PLUMBING		
PLBG. TOP OUT		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
SHEAR PANELS		
CONCRETE PANELS		
CONNECTIONS/POUR STRIP		
ENERGY CONSERVATION		
FIREPLACE-THROAT		
FIREPLACE-BOND BEAM		
FIREPLACE-TOP OUT		
MASONARY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER/CESSPOOL/LEACH LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. C.O. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO XX 2104 APN _____

PM-97-263 PW/R # DAB/FILE #

BUILDING ADDRESS 1923 E. AVION ST.

OWNER GE EMPLOYER SERVICES

MAILING ADDRESS 1923 E AVION ST.

CITY ONTARIO ZIP 91761 TEL 909 391-5300

CONTRACTOR A.J. DIANI CONST. CO INC

ADDRESS 295 N. BLOOMER RD 203

CITY SANTA MARIA ZIP 93454 TEL 925 925 533

STATE LIC. & CLASSIF. 176450 A.B CITY LIC. NO. 43040

ARCH., ENGR., DESIGNER PARSONS ENGR. SCIENCE

ADDRESS 100 W WALNUT (626) 440-6621

CITY PASADENA ZIP 91124 STATE LIC. NO.

INTENDED PERMIT USE: MODIFICATIONS TO OIL WATER SEPARATOR

SQ. FT. SIZE	NO. STORIES	NO. DW. UNITS
—	—	—

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A, B License No. 176450

Expiration Date 1431/98 Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier FIREMAN'S FUND Expiration Date 4/1/98

Policy Number WN97059600

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 1/5/98 Applicant: _____

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name N/A

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION

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TOTAL VALUATION 30,000

BUILDING PERMIT FEES

PERMIT @	1000	394 75
PLAN CHECK BLDG. DEPT. Pd. 256.59 11/5/97	1001	
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	430
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	13 50
MISC.		
TOTAL		414 55

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	
WATER CLOSETS			INTERCEPTORS	
LAVATORIES	SINKS		DRAINS	

TOTAL FIXTURES _____ @$ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP @ ¢

SWITCHES, RECEPTACLES @

LIGHTING FIXTURES @

SERVICE @

NO. MOTORS @

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. 1300

MECH. FEES

HEATING M/BTU

A/C M/BTU

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $414.55

PERMIT NO. 112514 DATE 1/5/98

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 1/5/98

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____ NOTE: _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME / REMARKS	INITIAL
SETBACKS	03/11/98			
FOOTINGS/FORMS/STEEL/UFER				
U. GRND PLUMBING				
U. GRND ELECT.				
SLAB GRADE				
ROUGH ELECTRIC			3-12-98 PARTIAL U/G OK	BZ
ROUGH PLUMBING				
PLBG. TOP OUT			3-18-98 " " "	BZ
ROUGH MECHANICAL				
FLOOR FRAMING			3-20-98 " " "	BZ
FLOOR SHEATHING				
ROOF SHEATHING				
ROOF COVERING				
ROUGH FRAMING				
SHEAR PANELS				
CONCRETE PANELS				
CONNECTIONS/POUR STRIP				
ENERGY CONSERVATION				
FIREPLACE-THROAT				
FIREPLACE-BOND BEAM				
FIREPLACE-TOP OUT				
MASONARY BOND BEAM				
LATH-EXTERIOR				
DRY WALL NAIL				
GAS TEST				
POOL STEEL/BOND/LINER				
SPA PLBG./SPA HTG				
POOL FENCE OK TO PLASTER				
ROOF DRAINS				
WATER SERVICE				
SEWER/CESSPOOL/LEACH LINE FINAL				
COMPACTION REPORT				
ROUGH GRADING				
FINAL GRADING				
FINAL PLUMBING				
FINAL ELECTRIC				
FINAL MECHANICAL				
FINAL BUILDING				
FINAL POOL/SPA				
EDISON CO. CALLED				
GAS CO. CALLED				
OTHER DEPARTMENT REQUIREMENTS				
PLANNING				
ENGINEERING				
POLICE				
FIRE				
PUBLIC FACILITIES				
PUBLIC SERVICES				
TEMP. C.O. ISSUED				
C.O. ISSUED				

PERMIT EXPIRED
PER SEC. 303.4 UNIFORM
ADMINISTRATIVE CODE
DATE 11-18-99
INSPECTOR Blank

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC # VAR # DAB/FILE #

BUILDING ADDRESS 1923 E. Avion St. Hanger #1
OWNER G. E. Aircraft
MAILING ADDRESS 1923 E. Avion ST.
CITY Ontario ZIP 91764 TEL.
CONTRACTOR Calwest Plumbing Co.
ADDRESS P.O. Box 7000-BD
CITY Alta Loma ZIP 91701 TEL. 909 [illegible]
STATE LIC. & CLASSIF. C-36 522946 CITY BUS. NO. OK
ARCH., ENGR., DESIGNER
ADDRESS TEL.
CITY ZIP STATE LIC. NO.
INTENDED PERMIT USE Plumbing - remove & [illegible], replace, 3 wash fountains
SQ. FT. SIZE NO. STORIES NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class 522016 License No C-36
Expiration Date 12-31-99 Contractor Signature

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☒ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier State Fund Expiration Date 12-31-98
Policy Number

☐ (This section need not be completed if the permit is for one hundred dollars ($100) or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 6-26-98 Applicant:

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____
Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 6-26-98

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____
_____ Rear Setback from Rear Property Line
_____ Side Street setback from Center Line _____ R/W _____
_____ Side Setback from Property Line
_____ Side Setback from Property Line

06-26-1998/07:59:00-00285564/001-732102/$58.00

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

NOTE: _____

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APPLICATION ONLY

BUILDING DEPARTMENT COPY

	OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
			TOTAL VALUATION	

BUILDING PERMIT FEES	PERMIT @	1000	
	PLAN CHECK BLDG. DEPT.	1001	
	PARK & REC. FEE SFR	1003	
	PARK & REC. FEE MFR	1004	
	EARTHQUAKE FEE RES.	1005	
	EARTHQUAKE FEE COMM.	1006	
	SEWER CAPITAL ASSESSMENT FEE	1007	
	PLAN CHECK EXPEDITING FEE	1680	
	MICROFILMING	1670	3 00
	MISC.		
	TOTAL		3 00

PLUMBING FEES	BATHTUBS	SHOWERS		URINALS	
	WATER CLOSETS			INTERCEPTORS	
	LAVATORIES 3	SINKS		DRAINS	
	TOTAL FIXTURES 3 @$ 8.75				26 25
	WATER HEATERS/POOL • SPA HEATER				
	WATER ☐ GAS ☐ PIPING				
	PERMIT FEES @				28 75
	TOTAL PLUMBING FEES			ACCT. 1100	55 00
	HOUSE SEWER @	SEP. PIT	SEPTIC TANK		
	PERMIT FEES @				
	TOTAL HOUSE SEWER & SANITATION FEES			ACCT. 1200	

ELECTRICAL FEES	OCC. GROUP	@	¢
	SWITCHES, RECEPTACLES	@	
	LIGHTING FIXTURES	@	
	SERVICE	@	
	NO. MOTORS	@	
	PERMIT FEES @		
	TOTAL ELECTRICAL FEES	ACCT. 1300	
MECH. FEES	HEATING M/BTU		
	A/C M/BTU		
	PERMIT FEE @		
	TOTAL MECHANICAL FEES	ACCT. 1400	
GRADE FEES	CUBIC YARDS		
	TOTAL GRADING FEES	ACCT. 1500	
	SEWER ASSESSMENT FEES PAID	YES	NO
	AVIGATION AGREEMENT REQUIRED	YES	NO

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $58.00

PERMIT NO. 114251 DATE 6/26/98

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
ROUGH ELECTRIC		
ROUGH PLUMBING	7-1-98	[illegible]
PLBG. TOP OUT		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
SHEAR PANELS		
CONCRETE PANELS		
CONNECTIONS/POUR STRIP		
ENERGY CONSERVATION		
FIREPLACE-THROAT		
FIREPLACE-BOND BEAM		
FIREPLACE-TOP OUT		
MASONARY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER/CESSPOOL/LEACH LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING	7-29-98	[illegible]
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. C.O. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME	INITIAL
REMARKS	

TRACT # XX-2104

LOT # XX-2104

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO:

APN

PC # TI-97165 VAR # DAB/FILE #

BUILDING ADDRESS 1923 E. Avion Street

OWNER GE Engine Services

MAILING ADDRESS 1923 E. Avion Street

CITY Ontario ZIP TEL 391-5211

CONTRACTOR Stilwell Constr.

ADDRESS 1897 Calle Circle

CITY Riverside ZIP 92506 TEL. 780-3434

STATE LIC. & CLASSIF. B613234 CITY LIC. NO.

ARCH., ENGR., DESIGNER Van Dam Engineering

ADDRESS TEL 931-5070

CITY Claremont ZIP STATE LIC. NO.

INTENDED PERMIT USE: TI Remodel

SQ. FT. SIZE 720 | NO. STORIES | NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B License No. 613234

Expiration Date 5-1-98 Contractor Signature Kirk Stilwell

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☒ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier State Fund Expiration Date 5-1-98

Policy Number 124250-97

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 12-8-97 Applicant Kirk Stilwell

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 12-8-97

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

12/8/97 $7759.69

NOTE: _____

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

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APPLICATION ONLY

BUILDING DEPARTMENT COPY

BUILDING PERMIT FEES

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
TI-Remodel	720	35.70	25,704
		TOTAL VALUATION	25,704

PERMIT @	1000	358 75
PLAN CHECK BLDG. DEPT.	1001	
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	5 40
SEWER CAPITAL ASSESSMENT FEE	1007	690 78
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	30 00
MISC.		
TOTAL		1084 93

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	4
WATER CLOSETS (one)		12	INTERCEPTORS	
LAVATORIES 3	SINKS	4	DRAINS	

TOTAL FIXTURES 29 @$ 8.75	253 75
WATER HEATERS/POOL • SPA HEATER	
WATER ☒ GAS ☒ PIPING	9 75
PERMIT FEES @	22 00
TOTAL PLUMBING FEES ACCT. 1100	295 25

HOUSE SEWER @	SEP. PIT	SEPTIC TANK	
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200			

ELECTRICAL FEES

OCC. GROUP	@	¢
SWITCHES, RECEPTACLES 2,	@	
LIGHTING FIXTURES 7	@ 9	9 00
SERVICE	@	
NO. MOTORS	@	
PERMIT FEES @		22 00
TOTAL ELECTRICAL FEES ACCT. 1300		31 00

MECH. FEES

HEATING M/BTU		13 25
A/C M/BTU		13 25
PERMIT FEE @		22 00
TOTAL MECHANICAL FEES ACCT. 1400		48 50

GRADE FEES

CUBIC YARDS	
TOTAL GRADING FEES ACCT. 1500	

SEWER ASSESSMENT FEES PAID	YES	NO
AVIGATION AGREEMENT REQUIRED	YES	NO

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $7759.69

PERMIT NO. 97/03429 DATE 12/8/97

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING	12-15-97	
U. GRND ELECT.		
SLAB GRADE		
ROUGH ELECTRIC	1-20-98	
ROUGH PLUMBING		
PLBG. TOP OUT	1-20-98	
ROUGH MECHANICAL	1-20-98	
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF SHEATHING		
ROOF COVERING		
ROUGH FRAMING	1-20-98	
SHEAR PANELS		
CONCRETE PANELS		
CONNECTIONS/POUR STRIP		
ENERGY CONSERVATION		
FIREPLACE-THROAT		
FIREPLACE-BOND BEAM		
FIREPLACE-TOP OUT		
MASONARY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL	1-27-98	
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER/CESSPOOL/LEACH LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	1-28-98	
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. C.O. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC # TI-97-448 DAB/FILE #

BUILDING ADDRESS 1923 E AVION ST

OWNER GENERAL ELECTRIC

MAILING ADDRESS 1923 E AVION ST

CITY ONTARIO ZIP 91761 TEL.

CONTRACTOR C H HEATHCOAT CONST

ADDRESS 1333 N BENSON

CITY UPLAND ZIP 91786 TEL. 9850115

STATE LIC. & CLASSIF. 377399 A&B CITY LIC. NO. 44821

ARCH., ENGR., DESIGNER VAH DAM ENGINEERING

ADDRESS 1844 W 11TH ST TEL.

CITY UPLAND ZIP 91786 STATE LIC. NO.

INTENDED PERMIT USE: NEW HANGAR DOORS

SQ. FT. SIZE	NO. STORIES	NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A&B License No. 377399

Expiration Date 6/30/99 Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☑ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 10/24/97 Applicant: _____

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	45,000.

BUILDING PERMIT FEES

PERMIT @	1000	529	75
PLAN CHECK BLDG. DEPT pd. 344.34 10/7/97	1001		
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM.	1006	9	45
SEWER CAPITAL ASSESSMENT FEE	1007		
PLAN CHECK EXPEDITING FEE	1680		
MICROFILMING	1670	28	50
MISC.			
TOTAL		567	70

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRAINS		

TOTAL FIXTURES _____ @$ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP @ ¢

SWITCHES, RECEPTACLES @

LIGHTING FIXTURES @

SERVICE @

NO. MOTORS @

PERMIT FEES @

TOTAL ELECTRICAL FEES ACCT. 1300

MECH. FEES

HEATING M/BTU

A/C M/BTU

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS

TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $567.70

City of Ontario
OCT 24 1997
WITHDRAWN

PERMIT NO. _____ DATE 10/24/97

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

_____ 10/24/97

Signature of Applicant or Agent Date

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: _____

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

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APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER	1-07-98	
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
ROUGH ELECTRIC		
ROUGH PLUMBING		
PLBG. TOP OUT		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF SHEATHING		
ROOF COVERING		
ROUGH FRAMING	1-07-98	
SHEAR PANELS		
CONCRETE PANELS		
CONNECTIONS/POUR STRIP		
ENERGY CONSERVATION		
FIREPLACE-THROAT		
FIREPLACE-BOND BEAM		
FIREPLACE-TOP OUT		
MASONARY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER/CESSPOOL/LEACH LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING	1-28-98	
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. C.O. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC # E9714 VAR # DAB/FILE # _____

BUILDING ADDRESS 1923 EAST AVION ST.

OWNER GENERAL ELECTRIC

MAILING ADDRESS 1923 EAST AVION ST.

CITY ONTARIO ZIP 91761 TEL 9376231

CONTRACTOR C H HEATHCOAT CONST

ADDRESS 1333 N BENSON AVE

CITY UPLAND ZIP 91786 TEL 985-0115

STATE LIC. & CLASSIF. 377399 A&B CITY LIC. NO. 4482

ARCH., ENGR., DESIGNER _____

ADDRESS _____ TEL. _____

CITY _____ ZIP _____ STATE LIC. NO. _____

INTENDED PERMIT USE: Electrical for Hangar

SQ. FT. SIZE 23000 NO. STORIES 1 NO. DW. UNITS _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A&B License No. 377399

Expiration Date 6/30/99 Contractor Signature [signature]

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Expiration Date _____

Policy Number _____

☒ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 1/8/98 Applicant: [signature]

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such persons have a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

[signature] 1/8/98

Signature of Applicant or Agent Date

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

NOTE: _____

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OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT @	1000	
PLAN CHECK BLDG. DEPT.	1001	
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	9 00
MISC.		
TOTAL		9 00

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	
WATER CLOSETS			INTERCEPTORS	
LAVATORIES	SINKS		DRAINS	

TOTAL FIXTURES _____ @$ _____		
WATER HEATERS/POOL • SPA HEATER		
WATER ☐ GAS ☐ PIPING		
PERMIT FEES @		
TOTAL PLUMBING FEES	ACCT. 1100	
HOUSE SEWER @	SEP. PIT / SEPTIC TANK	
PERMIT FEES @		
TOTAL HOUSE SEWER & SANITATION FEES	ACCT. 1200	

ELECTRICAL FEES

OCC. GROUP		@ ¢	
SWITCHES, RECEPTACLES	2,62	@	
LIGHTING FIXTURES	781	@	99 30
SERVICE	200	@	27 25
NO. MOTORS		@	
PERMIT FEES		@	22 00
TOTAL ELECTRICAL FEES		ACCT. 1300	148 55

MECH. FEES

HEATING	M/BTU	
A/C	M/BTU	
PERMIT FEE @		
TOTAL MECHANICAL FEES		ACCT. 1400

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES		ACCT. 1500

SEWER ASSESSMENT FEES PAID	YES	NO	
AVIGATION AGREEMENT REQUIRED	YES	NO	

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $157.55

PERMIT NO. 11259 DATE 1/8/98

01/08/98 20031-32 157.55

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
ROUGH ELECTRIC		
ROUGH PLUMBING		
PLBG. TOP OUT		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
SHEAR PANELS		
CONCRETE PANELS		
CONNECTIONS/POUR STRIP		
ENERGY CONSERVATION		
FIREPLACE-THROAT		
FIREPLACE-BOND BEAM		
FIREPLACE-TOP OUT		
MASONARY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER/CESSPOOL/LEACH LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	1-28-98	B
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. C.O. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL

REMARKS

SEWER DIAGRAM

TRACT # _____ PLAN NO: _____

LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-254

CASH PAYMENT

PC # VAR # DAB/FILE #

BUILDING ADDRESS: 1801 E Avion St Ontario

OWNER: Fed Ex.

MAILING ADDRESS: 5927 w Imperial Hwy.

CITY: LA Ca. ZIP: 90045 TEL: 3038-97-36

CONTRACTOR: DW Nicholson

ADDRESS: 5927 w Imperial Hwy.

CITY: LA CA ZIP: 90045 TEL: 30338497-36

STATE LIC. & CLASSIF.: 68847 - C-10 CITY LIC. NO.: OK to

ARCH., ENGR., DESIGNER

ADDRESS: TEL:

CITY: ZIP: STATE LIC. NO.

INTENDED PERMIT USE: Electrical

SQ. FT. SIZE	NO. STORIES	NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-10 License No. 68847

Expiration Date 3-31-99 Contractor Signature [signature]

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

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☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Zurich Expiration Date 1-1-98

Policy Number 9615281

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 11-21-97 Applicant: [signature]

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		NOV 21 1997	42.00 Cash
			DO.
		TOTAL VALUATION	

BUILDING PERMIT FEES

PERMIT @	1000	
PLAN CHECK BLDG. DEPT.	1001	42 00
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	3 00
MISC.		
TOTAL		43 00

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	
WATER CLOSETS			INTERCEPTORS	
LAVATORIES	SINKS		DRAINS	
TOTAL FIXTURES _____ @$ _____				
WATER HEATERS/POOL • SPA HEATER				
WATER ☐ GAS ☐ PIPING				
PERMIT FEES @				
TOTAL PLUMBING FEES			ACCT. 1100	
HOUSE SEWER @		SEP. PIT	SEPTIC TANK	
PERMIT FEES @				
TOTAL HOUSE SEWER & SANITATION FEES			ACCT. 1200	

ELECTRICAL FEES

OCC. GROUP @ ¢		
SWITCHES, RECEPTACLES 1 @		1 00
LIGHTING FIXTURES @		
SERVICE @		
NO. MOTORS 1 @ 5hp		7 50
PERMIT FEES @		46 50
TOTAL ELECTRICAL FEES ACCT. 1300		55 00

MECH. FEES

HEATING M/BTU	
A/C M/BTU	
PERMIT FEE @	
TOTAL MECHANICAL FEES ACCT. 1400	

GRADE FEES

CUBIC YARDS	
TOTAL GRADING FEES ACCT. 1500	
SEWER ASSESSMENT FEES PAID YES NO	
AVIGATION AGREEMENT REQUIRED YES NO	

PAYOR: CONTR OWNER TOTAL ALL FEES (PAY THIS AMOUNT) ~~$58.00~~ 100.00

58.00 By CHECK.

PERMIT NO. 112214 NOV 21 1997 DATE 11/21/97

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

[signature] 11-21-97 RE

Signature of Applicant or Agent Date

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: Elec only OK per Mike Parada 12-2-97

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

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APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR	INSPECTOR'S NAME / REMARKS	INITIAL
SETBACKS				
FOOTINGS/FORMS/STEEL/UFER				
U. GRND PLUMBING				
U. GRND ELECT.	11-26-97	WILLIAMSON	12/18/97 NO ACCESS OUT	
SLAB GRADE				
ROUGH ELECTRIC				
ROUGH PLUMBING				
PLBG. TOP OUT				
ROUGH MECHANICAL				
FLOOR FRAMING				
FLOOR SHEATHING				
ROOF SHEATHING				
ROOF COVERING				
ROUGH FRAMING				
SHEAR PANELS				
CONCRETE PANELS				
CONNECTIONS/POUR STRIP				
ENERGY CONSERVATION				
FIREPLACE-THROAT				
FIREPLACE-BOND BEAM				
FIREPLACE-TOP OUT				
MASONARY BOND BEAM				
LATH-EXTERIOR				
DRY WALL NAIL				
GAS TEST				
POOL STEEL/BOND/LINER				
SPA PLBG./SPA HTG				
POOL FENCE OK TO PLASTER				
ROOF DRAINS				
WATER SERVICE			SEWER DIAGRAM	
SEWER/CESSPOOL/LEACH LINE FINAL				
COMPACTION REPORT				
ROUGH GRADING				
FINAL GRADING				
FINAL PLUMBING				
FINAL ELECTRIC	5/27/99	Blanchard		
FINAL MECHANICAL				
FINAL BUILDING				
FINAL POOL/SPA				
EDISON CO. CALLED				
GAS CO. CALLED				
OTHER DEPARTMENT REQUIREMENTS				
PLANNING				
ENGINEERING				
POLICE				
FIRE				
PUBLIC FACILITIES				
PUBLIC SERVICES				
TEMP. C.O. ISSUED				
C.O. ISSUED				

TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC # VAR # DAB/FILE #

BUILDING ADDRESS 1801 E. AVION

OWNER ONTARIO L.A. WORLD AIRPORT

MAILING ADDRESS RM. 200, TERMINAL BLDG.

CITY ONTARIO ZIP 91761 TEL. 909-988-2700

CONTRACTOR ELECTRONIC SIGN CORP.

ADDRESS 19603 FIGUEROA ST.

CITY CARSON ZIP 90745 TEL. 310-523-9500

STATE LIC. & CLASSIF. 711214 C45 CITY BUS. NO. 11941

ARCH., ENGR., DESIGNER N/A

ADDRESS _____ TEL. _____

CITY _____ ZIP _____ STATE LIC. NO. _____

INTENDED PERMIT USE: SIGNS, CHANNEL LTRS, (2) ILLUMINATED, (4) FACES.

SQ. FT. SIZE _____ NO. STORIES _____ NO. DW. UNITS _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C45 License No. 711214

Expiration Date 8-31-99 Contractor Signature N K Pond

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier PAULAS INC. Expiration Date 8-1-98

Policy Number PWC581332

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 3-11-98 Applicant: N K Pond

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	2800

BUILDING PERMIT FEES

PERMIT @	1000	74 75
PLAN CHECK BLDG. DEPT.	1001	48 50
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	50
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	3 60
MISC.		
TOTAL		126 92

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRAINS		

TOTAL FIXTURES _____ @$ _____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP @ ¢		
SWITCHES, RECEPTACLES @		
LIGHTING FIXTURES @		
SERVICE @		
NO. MOTORS @ 2 Branch Circuits		44 00
PERMIT FEES @		22 00
TOTAL ELECTRICAL FEES ACCT. 1300		66 00

MECH. FEES

HEATING M/BTU		
A/C M/BTU		
PERMIT FEE @		
TOTAL MECHANICAL FEES ACCT. 1400		

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES ACCT. 1500		
SEWER ASSESSMENT FEES PAID YES NO		
AVIGATION AGREEMENT REQUIRED YES NO		

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $ 192.92

PERMIT NO. 11323/ DATE 3/11/98

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

N K Pond — Signature of Applicant or Agent

3-11-98 — Date

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

3/11/98 192.92

NOTE: _____

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VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT		
SLAB GRADE		
ROUGH ELECTRIC		
ROUGH PLUMBING		
PLBG. TOP OUT		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
SHEAR PANELS		
CONCRETE PANELS		
CONNECTIONS/POUR STRIP		
ENERGY CONSERVATION		
FIREPLACE-THROAT		
FIREPLACE-BOND BEAM		
FIREPLACE-TOP OUT		
MASONARY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER/CESSPOOL/LEACH LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	5/27/99	Blaylock
FINAL MECHANICAL		
FINAL BUILDING	5/27/99	Blaylock
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. C.O. ISSUED	[illegible]	
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

SEWER DIAGRAM



TRACT # _____ LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____ APN _____

PC# M-96-53 VAL # _____ DAB/FILE # _____

BUILDING ADDRESS 1801 E. AVION, ONTARIO

OWNER FEDERAL EXPRESS CORPORATION

MAILING ADDRESS P.O. BOX 727

CITY MEMPHIS TN ZIP 38194 TEL (901) 922-9752

CONTRACTOR _____

ADDRESS _____ ZIP _____ TEL. _____

STATE LIC. & CLASSIF. _____ CITY LIC. NO. _____

ARCH., ENGR., DESIGNER P2D CONSULTANTS

ADDRESS 1100 TOWN & COUNTRY #300 TEL. (714) 835-4467

CITY ORANGE CA ZIP 92668 STATE LIC. NO. _____

INTENDED PERMIT USE [redacted] WALLS

SQ. FT. SIZE _____ NO. STORIES _____ NO. DW. UNITS _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ License No. _____

Expiration Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

I exempt under Sec. _____ Business and Professions Code for this reason:

_____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ **Expiration Date** _____

Policy Number _____

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become sujbect to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
Plan Check only			
		TOTAL VALUATION	74,000.

BUILDING PERMIT FEES

PERMIT @ 531.50	1000		
PLAN CHECK BLDG. DEPT.	1001	348	40
PARK & REC. FEE SFR	1003		
PARK & REC. FEE MFR	1004		
EARTHQUAKE FEE RES.	1005		
EARTHQUAKE FEE COMM. 15.96	1006		
SEWER CAPITAL ASSESSMENT FEE	1007		
MISC.			
		TOTAL	

PLUMBING FEES

BATHTUBS / SHOWERS		URINALS	
WATER CLOSETS		INTERCEPTORS	
LAVATORIES / SINKS		DRIANS	
TOTAL FIXTURES _____ @ $ _____			
WATER HEATERS/POOL • SPA HEATER			
WATER ☐ GAS ☐ PIPING			
PERMIT FEES @			
TOTAL PLUMBING FEES	ACCT. 1100		
HOUSE SEWER @	SEP. PIT	SEPTIC TANK	
PERMIT FEES @			
TOTAL HOUSE SEWER & SANITATION FEES	ACCT. 1200		

Expired 12/2/99

ELECTRICAL FEES

OCC. GROUP @ ¢		
SWITCHES, RECEPTACLES @		
LIGHTING FIXTURES @		
SERVICE @		
NO. MOTORS @		
PERMIT FEES @		
TOTAL ELECTIRCAL FEES	ACCT. 1300	

MECH. FEES

HEATING M/BTU		
A/C M/BTU		
PERMIT FEE @		
TOTAL MECHANICAL FEES	ACCT. 1400	

GRADE FEES

CUBIC YARDS		
TOTAL GRADING FEES	ACCT. 1500	
SEWER ASSESSMENT FEES PAID	YES NO	
AVIGATION AGREEMENT REQUIRED	YES NO	

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $ 348.40

PERMIT NO. DC only DATE 3/18/96

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Robert Bonella — 3/18/96

Signature of Applicant or Agent — **Date**

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: _____

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VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT.		
SLAB GRADE		
ROUGH ELECTRIC		
ROUGH PLUMBING		
PLBG. TOP OUT		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
SHEAR PANELS		
CONCRETE PANELS		
CONNECTIONS/POUR STRIP		
ENERGY CONSERVATION		
FIREPLACE-THROAT		
FIREPLACE-BOND BEAM		
FIREPLACE-TOP OUT		
MASONARY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER/CESSPOOL/LEACH LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. C.O. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME _____ INITIAL _____

REMARKS

2/25/99 Plans Expired

SEWER DIAGRAM

TRACT # _____
LOT # _____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: _____
APN _____

M-9834 — DAB/FILE #

BUILDING ADDRESS: 1801 E. AVION
OWNER: FED EX
MAILING ADDRESS: 1801 E AVION
CITY: ONTARIO ZIP: 91761 TEL. —
CONTRACTOR: ISLAND CONSTRUCTION
ADDRESS: 470 SUL BOX
CITY: TORILLE CA ZIP: 92392 TEL: 760-955-6006
STATE LIC. & CLASSIF.: 667042 B C-10 CITY LIC. NO.
ARCH., ENGR., DESIGNER
ADDRESS TEL.
CITY ZIP STATE LIC. NO.
INTENDED PERMIT USE: Upgrade U.G Tanks

SQ. FT. SIZE	NO. STORIES	NO. DW. UNITS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B,C10,61,D40 HAZ License No. 667042

Expiration Date 3-31-2001 Contractor Signature [signature]

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier STATE FUND Expiration Date 11-1-99.
Policy Number 1363655-98

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 4/12/99 Applicant: [signature]

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____
Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

[signature] April 12, 1999
Signature of Applicant or Agent Date

DEPARTMENT USE ONLY

Zone _____

Minimum Setback Distances

_____ Front Setback from Center Line _____ R/W _____
_____ Rear Setback from Rear Property Line
_____ Side Street setback from Center Line _____ R/W _____
_____ Side Setback from Property Line
_____ Side Setback from Property Line

NOTE: Dick Hefner 800-295-0910

VALIDATION

When property validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	14,000

BUILDING PERMIT FEES

PERMIT @	1000	212.25
PLAN CHECK BLDG. DEPT.	1001	137.94
PARK & REC. FEE SFR	1003	
PARK & REC. FEE MFR	1004	
EARTHQUAKE FEE RES.	1005	
EARTHQUAKE FEE COMM.	1006	2.94
SEWER CAPITAL ASSESSMENT FEE	1007	
PLAN CHECK EXPEDITING FEE	1680	
MICROFILMING	1670	10.50
MISC.		
TOTAL		9,362.69

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS	
WATER CLOSETS			INTERCEPTORS	
LAVATORIES	SINKS		DRAINS	

TOTAL FIXTURES _____ @$ _____
WATER HEATERS/POOL • SPA HEATER
WATER ☐ GAS ☐ PIPING
PERMIT FEES @
TOTAL PLUMBING FEES ACCT. 1100
HOUSE SEWER @ SEP. PIT SEPTIC TANK
PERMIT FEES @
TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP @ ¢
SWITCHES, RECEPTACLES @
LIGHTING FIXTURES @
SERVICE @
NO. MOTORS @
PERMIT FEES @
TOTAL ELECTRICAL FEES ACCT. 1300

MECH. FEES

HEATING M/BTU
A/C M/BTU
PERMIT FEE @
TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS
TOTAL GRADING FEES ACCT. 1500

SEWER ASSESSMENT FEES PAID YES NO
AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER **TOTAL ALL FEES (PAY THIS AMOUNT)** $9,362.69

PERMIT NO. 117423 DATE 4/12/99

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04-13-1999/01-0082590-01-36115/$362.69

APPLICATION ONLY
BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT. *		
SLAB GRADE		
SHEAR PANELS EXTERIOR		
SHEAR PANELS INTERIOR		
ROOF SHEATHING		
ROUGH ELECTRIC		
ROUGH PLUMBING		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
CONCRETE PANELS		
CONNECTIONS POUR STRIP		
ENERGY CONSERVATION		
MASONRY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
SUSPENDED CEILING		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG.		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER		
STORM DRAIN		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING		
FINAL ELECTRIC	6-11-99	SC
ELECTRIC SRV'S GRD & BOND.		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. CO. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME [illegible] **INITIAL** SC

REMARKS

* CONDUIT ONLY EXISTING - KEB

SEWER DIAGRAM

TRACT # ____

LOT # ____

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

PLAN NO: ____

APN 0113

PC 4-25-96 VAR # ____ DAB/FILE # ____

BUILDING ADDRESS 1801 E AVION, ONTARIO

OWNER FEDERAL EXPRESS

MAILING ADDRESS P.O. Box 727

CITY MEMPHIS TN ZIP 38194 TEL 901 922-5755

CONTRACTOR LEE & STIRES INC.

ADDRESS PO Box 2124

CITY MONTCLAIR ZIP 91763 TEL 909 983 8557

STATE LIC. & CLASSIF. 288402 CITY LIC. NO. 07157

ARCH., ENGR., DESIGNER P&D Aviation Consultants

ADDRESS 1100 Town & Country TEL 714 835 4447

CITY Orange CA ZIP 92668 STATE LIC. NO. ____

INTENDED PERMIT USE: GRADING 10,030 CY

SQ. FT. SIZE 130750 NO. STORIES ____ NO. DW. UNITS ____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-12A License No. C-12

Expiration Date X Contractor Signature X

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. ____ Business and Professions Code for this reason:

Date ____ Owner ____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☑ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Transcontinental Expiration Date 5/01/97

Policy Number TWC 52 77310

☑ (This section need not be completed if the permit is for one hundred dollars [$100] or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 5/30/96 Applicant: [signature]

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name ____

Lender's Address ____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☑ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

[signature] 5-30-96

Signature of Applicant or Agent Date

Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone ____

____ Front Setback from Center Line ____ R/W ____

____ Rear Setback from Rear Property Line

____ Side Street setback from Center Line ____ R/W ____

____ Side Setback from Property Line

____ Side Setback from Property Line

BUILDING PERMIT FEES

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL (SQ. FT.)	VALUATION
		TOTAL VALUATION	

PERMIT @		1000	
PLAN CHECK BLDG. DEPT.	Pd 11/29/95	1001	
PARK & REC. FEE SFR	Pd #45.00	1003	
PARK & REC. FEE MFR		1004	
EARTHQUAKE FEE RES.		1005	
EARTHQUAKE FEE COMM.		1006	
SEWER CAPITAL ASSESSMENT FEE		1007	
MISC. Dust Control 1640			250 00
		TOTAL	250 00

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRIANS		

TOTAL FIXTURES ____ @ $ ____

WATER HEATERS/POOL • SPA HEATER

WATER ☐ GAS ☐ PIPING

PERMIT FEES @

TOTAL PLUMBING FEES ACCT. 1100

HOUSE SEWER @ SEP. PIT SEPTIC TANK

PERMIT FEES @

TOTAL HOUSE SEWER & SANITATION FEES ACCT. 1200

ELECTRICAL FEES

OCC. GROUP @ ¢

SWITCHES, RECEPTACLES @

LIGHTING FIXTURES @

SERVICE @

NO. MOTORS @

PERMIT FEES @

TOTAL ELECTIRCAL FEES ACCT. 1300

MECH. FEES

HEATING M/BTU

A/C M/BTU

PERMIT FEE @

TOTAL MECHANICAL FEES ACCT. 1400

GRADE FEES

CUBIC YARDS 10,030 cy 238 50

TOTAL GRADING FEES ACCT. 1500 238 50

SEWER ASSESSMENT FEES PAID YES NO

AVIGATION AGREEMENT REQUIRED YES NO

PAYOR: CONTR OWNER

TOTAL ALL FEES (PAY THIS AMOUNT) $488.50

105933

PERMIT NO. 105933 DATE 5/30/96

NOTE: ____

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VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT		
SLAB GRADE		
ROUGH ELECTRIC		
ROUGH PLUMBING		
PLDG. TOP OUT		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
SHEAR PANELS		
CONCRETE PANELS		
CONNECTIONS/POUR STRIP		
ENERGY CONSERVATION		
FIREPLACE-THROAT		
FIREPLACE-BOND BEAM		
FIREPLACE-TOP OUT		
MASONARY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER/CESSPOOL/LEACH LINE FINAL		
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING	5/27/99	Blaylock
FINAL PLUMBING		
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING		
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. C.O. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME	INITIAL
REMARKS	

CITY OF ONTARIO-BUILDING DEPARTMENT

303 EAST "B" STREET ONTARIO, CA 91764 TEL. (909) 391-2546

TRACT # _____ LOT # _____ PLAN NO: C-96-18 APN _____

PC # C-96-18 VAR # _____ DAB/FILE # _____

BUILDING ADDRESS 1801 Avion

OWNER FEDERAL EXPRESS

MAILING ADDRESS P.O. BOX 727

CITY MEMPHIS ZIP 38194 TEL 901 922 5355

CONTRACTOR LEE & STIRES INC

ADDRESS 634 S. PALMETTO

CITY ONTARIO ZIP _____ TEL. _____

STATE LIC. & CLASSIF. _____ CITY LIC. NO. 0737

ARCH., ENGR., DESIGNER P&D AVIATION

ADDRESS 1100 Town & Country TEL. _____

CITY ORANGE ZIP 92668 STATE LIC. NO. 47078

INTENDED PERMIT USE: Modular Foundation

SQ. FT. SIZE	NO. STORIES	NO. DW. UNITS
780	1	

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class ~~B~~ C12 License No. 288402

Expiration Date 6/30/97 Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Proffessions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law Chapter 9 (commencing with Sectin 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ Business and Professions Code for this reason:

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier SAFECO Expiration Date 1-1-98

Policy Number WC 227310 D

☐ (This section need not be completed if the permit is for one hundred dollars [$100] or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 3-3-97 Applicant: _____

WARNING: FAILURE TO SECURE WORKERS; COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

The California Health and Safety Code requires a Division of Industrial Safety Permit as a prerequisite to permit issuance unless the applicant signs one of the certificates below.

☐ I certify that no excavation 5 feet or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than 36 feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person ha a permit form that division.

Division of Industrial Safety Permit Number _____

OCC./TYPE CONST.	SIZE (SQ. FT.)	VAL. (SQ. FT.)	VALUATION
Modular Found.	780	4.50	3,510.00
		TOTAL VALUATION	3510.00

BUILDING PERMIT FEES

PERMIT @		1000	87 25
PLAN CHECK BLDG. DEPT.	pd. 56.71 8/12/96	1001	
PARK & REC. FEE SFR		1003	
PARK & REC. FEE MFR		1004	
EARTHQUAKE FEE RES.		1005	
EARTHQUAKE FEE COMM.		1006	74
SEWER CAPITAL ASSESSMENT FEE		1007	1437
PLAN CHECK EXPEDITING FEE		1680	
MICROFILMING		1670	4 50
MISC.	1009		95 00
		TOTAL	3617

PLUMBING FEES

BATHTUBS	SHOWERS		URINALS		93 17
WATER CLOSETS			INTERCEPTORS		
LAVATORIES	SINKS		DRAINS		
TOTAL FIXTURES _____ @$ _____					
WATER ☑	GAS ☐	PIPING			4 25
PERMIT FEES @					22 00
TOTAL PLUMBING FEES			ACCT. 1100		26 25
HOUSE SEWER @		SEP. PIT	SEPTIC TANK		22 00
PERMIT FEES @					
TOTAL HOUSE SEWER & SANITATION FEES			ACCT. 1200		22 00

ELECTRICAL FEES

OCC. GROUP	@	¢	
SWITCHES, RECEPTACLES	@		
LIGHTING FIXTURES	@		
SERVICE	@		
NO. MOTORS	@		
PERMIT FEES @			
TOTAL ELECTRICAL FEES		ACCT. 1300	

MECH. FEES

HEATING	M/BTU		
A/C	M/BTU		
PERMIT FEE @			
TOTAL MECHANICAL FEES		ACCT. 1400	

GRADE FEES

CUBIC YARDS			
TOTAL GRADING FEES		ACCT. 1500	

SEWER ASSESSMENT FEES PAID	YES	NO
AVIGATION AGREEMENT REQUIRED	YES	NO

PAYOR: CONTR OWNER

TOTAL ALL FEES $ 3884.40

(PAY THIS AMOUNT) 03-03-1997 01 24605/01 3E106/4979 AA $ 979.40

PERMIT NO. 108510 DATE 2/28/97

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

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Minimum Setback Distances ***DEPARTMENT USE ONLY*** Zone _____

_____ Front Setback from Center Line _____ R/W _____

_____ Rear Setback from Rear Property Line

_____ Side Street setback from Center Line _____ R/W _____

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE: School Fees Paid

VALIDATION

When properly validated in this space, this form constitutes a permit to do the work described herein. This permit will expire if work is not started within 180 days, or if work is abandoned for more than 180 days.

APPLICATION ONLY

BUILDING DEPARTMENT COPY

INSPECTION RECORD

TYPE OF INSPECTION	DATE	INSPECTOR
SETBACKS		
FOOTINGS/FORMS/STEEL/UFER		
U. GRND PLUMBING		
U. GRND ELECT		
SLAB GRADE		
ROUGH ELECTRIC		
ROUGH PLUMBING		
PLBG. TOP OUT		
ROUGH MECHANICAL		
FLOOR FRAMING		
FLOOR SHEATHING		
ROOF SHEATHING		
ROOF COVERING		
ROUGH FRAMING		
SHEAR PANELS		
CONCRETE PANELS		
CONNECTIONS/POUR STRIP		
ENERGY CONSERVATION		
FIREPLACE-THROAT		
FIREPLACE-BOND BEAM		
FIREPLACE-TOP OUT		
MASONARY BOND BEAM		
LATH-EXTERIOR		
DRY WALL NAIL		
GAS TEST		
POOL STEEL/BOND/LINER		
SPA PLBG./SPA HTG		
POOL FENCE OK TO PLASTER		
ROOF DRAINS		
WATER SERVICE		
SEWER/~~CESSPOOL/LEACH~~ LINE FINAL	4-3-97	
COMPACTION REPORT		
ROUGH GRADING		
FINAL GRADING		
FINAL PLUMBING	5/27/99	
FINAL ELECTRIC		
FINAL MECHANICAL		
FINAL BUILDING	5/27/99	
FINAL POOL/SPA		
EDISON CO. CALLED		
GAS CO. CALLED		
OTHER DEPARTMENT REQUIREMENTS		
PLANNING		
ENGINEERING		
POLICE		
FIRE		
PUBLIC FACILITIES		
PUBLIC SERVICES		
TEMP. C.O. ISSUED		
C.O. ISSUED		

INSPECTOR'S NAME	INITIAL
REMARKS	
7-21-97 no access	

SEWER DIAGRAM

Address: 1230 S TOWER DR ONTA

Permit No. **B200502025**

City of Ontario Building Department

Owner	Contractor	Designer		
CITY OF LOS ANGELES	ADVANCE PATROLEUM CORP		Date: 07-25-2005	Val:$85,000.00
1 WORLD WAY	7090 ARCHIBALD #B		Tract:	APN: 11327101
LOS ANGELES CA 90045	RANCHO CUCAMONGA, CA 91701		Sq.Ft.: 0	Avig:
	909-466-9914 Lic #: 613143 A,B	Lic #:	Units: 0	Lot: 0
			Stories: 0	Block:
			Occ:	Const:
			DAB #: 0	Var: 0

Intended Permit Use:

Description / Comments:INSTALLATION OF 10,000 GALLON ABOVE GROUND (DUAL COMPARTMENT) STORAGE TANK FUELING SYSTEM (4000 GAL DIESEL & 6000 GAL GASOLINE)

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 613143 Lic. Class A HAZB Exp. Date 02/28/07

City Lic. # BL0003555 Expires 12/31/05

Date 7/25/05 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.: 0019627-2006 Carrier: STATE COMP. INS. FUND

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent _____ Date 7/25/05

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$23.50
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$888.75
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$0.00
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$711.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$15.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$0.00
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$1,656.10
Total Payments (-)	$1,656.10
Balance Due	**$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

B2005021125

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2030		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Final	11-9-05	JL

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final		

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Forms		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

Address: 1801 E AVION ST ONTA | Permit No. **B200503835**

City of Ontario Building Department

Owner	Contractor	Designer
FEDERAL EXPRESS CORP	WILLIAMSON AND SON CONST INC	
2601 MAIN ST	22741 S CANADA CT	
IRVINE, CA 92614	LAKE FOREST, CA 92630	
949-399-4485	949-830-8073 Lic #: 820314 B	Lic #:

Date: 01-27-2006 **Val:**$40,000.00
Trct: **APN:**
Sq.Ft.: 0 **Avig:**
Units: 0 **Lot:** 0
Stories: 0 **Block:**
Occ: **Const:**
DAB #: 0 **Var:** 0

Intended Permit Use:

Description / Comments:RELOCATE SECURTIY KIOSK, MODIFY FENCING, GATES

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License #_____Lic. Class_____Exp. Date_____

City Lic. #_____ Expires_____

Date_____ Signature of Contractor_____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.:_____ Carrier:_____

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

_____ _____
Signature of Owner or Agent Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$23.50
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$543.25
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$0.00
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$434.60
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$15.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$0.00
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees $1,024.75
Total Payments (-) $1,024.75
Balance Due $0.00

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

B20050 3835

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2030		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing	2-1-06	Cleared
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing	3-1-06	J Beyer
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Final	3-1-06	J Beyer

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final		

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Forms		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: 1-30-06 Underground conduit OK (partial) need permit & prefect of

Address: 1801 E AVION ST ONTA Permit No. **B200600364**

City of Ontario Building Department

Owner	Contractor	Designer
FEDERAL EXPRESS	WILLIAMSON AND SON CONST INC	
2601 MAIN ST	22741 S CANADA CT	
IRVINE, CA 92614	LAKE FOREST, CA 92630	
949-399-4485	949-830-8073 Lic #: 820314 B	Lic #:

Date: 01-30-2006 **Val:** $0.00
Tract: **APN:**
Sq.Ft.: 0 **Avig:**
Units: 0 **Lot:** 0
Stories: 0 **Block:**
Occ: **Const:**
DAB #: 0 **Var:** 0

Intended Permit Use:

Description / Comments:ELECTRIC 100 AMPS (B200503835)

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 820314 Lic. Class B Exp. Date 6-2007

City Lic. # BL00036197 Expires 12-31-2006

Date 1-30-06 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

(X) I have and will maintain Worker's Compensation Insurance.

Policy No.: 1814648-05 Carrier: State Fund

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent Date 1-30-06

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$0.00
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$54.00
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$0.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.00
Service to 200 Amps	(1)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$0.00
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$54.00
Total Payments (-)	$54.00
Balance Due	**$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

B2006000364

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2030		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Final		

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground	2-1-06	C Arnold
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	3-1-06	T Bey

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Forms		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

CITY OF ONTARIO

CITY HALL ONTARIO, CALIFORNIA 91764 AREA CODE 714 986-1151

January 26, 1987

To Whom It May Concern

TEMPORARY CERTIFICATE OF OCCUPANCY

RE: Federal Express Station (29,816 sq. ft.)
1801 Avion
Ontario, CA.

Building Permit No. 50230
Issued on 8-8-86

OWNER: Federal Express Corporation
2837 Sprankle, Hangar #7
Memphis, Tennessee

Gentlemen:

You are notified that this property and its permitted improvements are released for temporary occupancy. Issuance of final certificate of occupancy is subject to final inspections by Building Department inspection personnel for compliance with approved plans and applicable city building codes, zoning ordinances and special conditions as required by various city commissions and boards.

All city agencies with concerns regarding improvements shall give their respective clearances prior to issuance of final certificate of occupancy.

Sincerely,

Kenneth Gilman
Assistant Building Official

BE/pn

Address: 1801 E AVION ST ONTA | Permit No. **B200502672** | **City of Ontario Building Department**

Owner	Contractor	Designer	
FEDERAL EXPRESS CORPORATION	BROWNCO		Date: 09-29-2005 Val:150,000.00
2601 E. MAIN ST. #1240	1000 E KATELLA AV		Tract: APN:
IRVINE, CA 92614	ANAHEIM, CA 90670		Sq.Ft.: 0 Avig:
	714-935-9600 Lic #: 769921 A B	Lic #:	Units: 0 Lot: 0
			Stories: 0 Block:
			Occ: Const:
			DAB #: 0 Var: 0

Intended Permit Use:

Description / Comments:INSTALL ELECTRICAL SWITCH GEAR, CONDUITS, BALLARDS AND CHARGING EQUIPMENT

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 769921 Lic. Class A B C-36 Exp. Date 10/31/05

City Lic. # BL000514G8 Expires 12/31/05

Date 09/29/05 Signature of Contractor Christin Moore

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.: 0005720-2004 Carrier: State Fund

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Christin Moore 9/29/05

Signature of Owner or Agent Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$23.50
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$1,273.75
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$0.00
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$1,019.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$12.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$0.00
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees $2,328.25

Total Payments (-) $2,328.25

Balance Due $0.00

B20050267 2

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2030		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing	Post (24) 1-13-06	J Begra
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Final	2-14-06	C Franco

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground	12-20-05	C Franco
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond	2-14-06	C Franco
Final	2-14-06	C Franco

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Forms		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: 12-13-05 Partial pad & bollard on east side of property ok'd
12-15-05 Partial guard rails on east side ok'd
12-20-05 Underground conduit at west side of pueling station ok'd
12-21-05 Bollards - partial on west side ok'd
12-22-05 Guard rails & equipment pad footing west side ok'd
1-13-06 - (24) Footing Post ok'd (JB) 1-17-06 Slab at post 24, no conduit in slab ok'd 1-24-06 Elect equipment pad at south side of bldg ok'd

Address: 1801 E AVION ST ONTA Permit No. **B200505221**

City of Ontario Building Department

Owner	Contractor	Designer
FEDERAL EXPRESS	CHOICE ELECTRICAL 9980 INDIANA AVE RIVERSIDE 92567 ~~509-3908 Lic #: 634869~~	Lic #:

Date: 11-22-2005 **Val:** $0.00
Trct: **APN:**
Sq.Ft.: 0 **Avig:**
Units: 0 **Lot:** 0
Stories: 0 **Block:**
Occ: **Const:**
DAB #: 0 **Var:** 0

Intended Permit Use:
Description / Comments:ELECTRICAL FOR B200502672

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 634869 Lic. Class C-10 Exp. Date 01-31-006
City Lic. # BL0004628? Expires
Date 11-22-05 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date _____ Signature of Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

(X) I have and will maintain Worker's Compensation Insurance.

Policy No.: 0004727-004 Carrier: State Fund

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent Date 11-27-05

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$0.00
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$103.85
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$0.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(1)	Misc. Appl/Equip	(0)			Min. Issuance	$0.00
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(1)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$103.85
Total Payments (-)	$103.85
Balance Due	**$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2030		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Final	2-14-06	C Franco

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond 1200	2-14-06	C Franco
	2-14-06	C Franco
Final		

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Forms		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: 11-30-05 PHASE #1 - underground Conduit OK TO COVER (JB)
2/14/06: Edison release 200 amp service. A.P.

Address: 1923 E AVION ST ONTA Permit No. **B200604197**

City of Ontario Building Department

Owner	Contractor	Designer
CITY OF LOS ANGELES 1 WORLD WAY LOS ANGELES CA 90045	C.H. HEATHCOAT CONST 1333 N BENSON AV UPLAND, CA 91786 909-226-7204 Lic #: 377399 A-B	Lic #:

Date: 10-17-2006 **Val:**$23,000.00
Tot Sq. Ft.: 0 **APN:** 11326106
New Sq.Ft/TI.: 0 **Trct:**
Units: 0 **Lot:**
Stories: 0 **Block:**
Occ: **Const:**
DAB #: 0 **Var:** 0

Intended Permit Use:

Description / Comments:DEMOLITION OF BUILDING #8 & CAP SEWER

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 377399 Lic. Class A-B Exp. Date 6/30/07

City Lic. # BL000044821 Expires 9/07

Date 10/17/06 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.: 1739637-06 Carrier: STATE FUND

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent Date 10/17/06

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$23.50
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$363.25
Outlet/Switch 1-20	(0)	Building Sewer	(1)	Floor Furnace	(0)	Electrical Fee	$0.00
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$48.15
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$0.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$9.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$0.00
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$448.73
Total Payments (-)	$448.73
Balance Due	**$0.00**

City of Ontario
Building Department

INSPECTION REQUESTS 909-395-2361

B2006004197

POST this in a conspicuous place on the job.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2940		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	11-7-6	Blaylock

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final		

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer CAP		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final	11-7-6	Blaylock

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

909.949.8106

5003
$174.55

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

016

MAIL FORM AND FEE TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641

AQMD USE ONLY	SCREEN BY	RECEIVED	POSTMARK 10/2	ENTERED BY CN	NOTIFICATION # 144504
COMPLETED BY CLIFF HEATHCOAT	COMPANY C. H. HEATHCOAT CONST.		PHONE 909 985 0115		
DATE 10/1/06	CHECK #	FEE $ 174.55	PROJECT #		

NOTIFICATION TYPE: (ORIGINAL) Revision Dates | Revision Other (highlight) | Cancellation

PROJECT TYPE: (DEMOLITION) Ordered Demolition | Renovation (removal) | Emergency Removal | Planned Reno (annual)

SITE INFORMATION: SITE NAME G E ENGINE OVERHAUL FACILITY

SITE ADDRESS 1923 E AVION ST CROSS STREET VINEYARD

CITY ONTARIO STATE CA ZIP 91761 COUNTY SAN BERNARDINO

DESCRIBE WORK AND LOCATION DEMOLISH BLDG # 8 INSIDE THE ABOVE NAMED FACILITY

BUILDING SIZE (SQ FT) 4110 NUMBER OF FLOORS 1 BUILDING AGE (YEARS) 50 NUMBER OF DWELLING UNITS 0

BLDG PRIOR / PRESENT USE: Commercial | Hospital | Industrial | Other | (OFFICE) | Public Bldg. | House | School | Ship | Univ/College

SITE OWNER CA.L.A. ADDRESS 1940 E. MOORE WAY Rm 200 TERMINAL BLDG.

CITY ONTARIO STATE CA ZIP 91761 CONTACT EILEEN SCHWING PHONE 909 975 5384

REQUIRED BUILDING INFORMATION	ASBESTOS PRESENT? YES (NO)	1 ASBESTOS SURVEY? (YES) NO	ASBESTOS REMOVED? (YES) NO	BUILDING TO BE DEMOLISHED? (YES) NO

PROJECT DATES: START ASAP END 7 WORK DAYS WORK SHIFT (day), swing, night)

*ASBESTOS AMOUNT TO BE REMOVED (in square feet)	FRIABLE	CLASS I	CLASS II	TOTAL AMOUNT (add row)

*ASBESTOS REMOVAL FROM	SURFACES	PIPES	COMPONENTS

*AMOUNT OF EACH TYPE OF ASBESTOS (in square feet)	ACOUSTIC CEILING	LINOLEUM	INSULATION	FIRE PROOFING	DUCTING	STUCCO	MASTIC

FLOOR TILES (VAT)	DRY WALL	PLASTER	TRANSITE	ROOFING	OTHER (describe)

CONTRACTOR INFORMATION: CSLB LICENSE # 377399 AB SHA REG # AQMD ID #

NAME C H HEATHCOAT CONST. ADDRESS 1333 N BENSON AVE

CITY UPLAND STATE CA ZIP 91786 SITE SUPVR CLIFF HEATHCOAT PHONE 909 226 7204

WASTE TRANSPORTER #1 CARNIELLO ENT. LANDFILL MID VALLEY LANDFILL

ADDRESS P O BOX 1728 ADDRESS 2390 ALDER AVE

CITY UPLAND STATE CA ZIP 91785 CITY RIALTO STATE CA ZIP

* Not required for demolition notifications

1 asbestos surveys are required prior to Demolition and Renovation.

Forms, instructions, and the Rule 1403 can be obtained from AQMD web site **http://www.aqmd.gov**

SCAQMD NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

MAIL FORM AND FEE TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641

WASTE TRANSPORTER #2			* WASTE STORAGE SITE		
ADDRESS			ADDRESS		
CITY	STATE	ZIP	CITY	STATE	ZIP

* **CONTROLS:** DESCRIBE WORK PRACTICES AND CONTROLS TO BE USED AT THE RENOVATION AND DEMOLITION SITE. Procedure # 1, 2, 3, 4, 5 or Other.

For asbestos removals circle the combination of Rule 1403 procedures used. Procedure 4 and 5 submit plans for AQMD prior approval (See procedure 4/5 guidelines)

* **ASBESTOS DETECTION PROCEDURE:** Circle the procedures and analytical methods used to determine the presence of asbestos in the building. Survey, Bulk Sampling, Inspection, PLM, PCM, TEM, Assumed as Asbestos-PACM, Describe Other (See survey guidelines checklist):

FOR **DEMOLITIONS** GIVE THE COMPANY NAME AND DATES OF THE ASBESTOS REMOVAL:

FOR **ORDERED DEMOLITION** SEND A COPY OF THE ORDER AND GIVE THE AGENCY NAME & PHONE #
AUTHORIZING PERSON: TITLE
DATE OF ORDER: DATE ORDERED TO BEGIN:

* FOR **EMERGENCY ASBESTOS REMOVAL** GIVE THE NAME AND PHONE NUMBER OF THE PERSON DECLARING/AUTHORIZING THE EMERGENCY, DATE AND HOUR OF EMERGENCY AND DESCRIBE THE SUDDEN, UNEXPECTED EVENT (***Disturbed /damaged asbestos requires a procedure 5 plan approval prior to clean-up):***

EXPLAIN HOW THE EVENT WOULD CAUSE UNSAFE CONDITIONS, EQUIPMENT DAMAGE OR UNREASONABLE FINANCIAL BURDEN:

CONTINGENCY PLAN: DESCRIBE ACTIONS TO BE FOLLOWED IF UNEXPECTED ASBESTOS IS FOUND DURING DEMOLITION OR ASBESTOS MATERIAL BECOME DISTURBED, CRUMBLED, PULVERIZED, OR REDUCED TO POWDER. (***Disturbed /damaged asbestos requires a procedure 5 plan approval prior to clean-up):*** WORK WILL CEASE IMMEDIATELY UNTIL FURTHER TESTING OR VERIFICATION CAN BE PERFORMED AND DOCUMENTED.

* **TRAINING CERTIFICATION:** I certify that an individual trained in the provisions of regulation AQMD Rule 1403 and NESHAP will be on site during the removal and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours.

C H HEATHCOAT — C H HEATHCOAT — [signature] — OWNER — 10/1/06
Company Name CONST — Print name of owner/operator — Signature of owner/operator — Tittle of owner/operator — Date

INFORMATION CERTIFICATION: I certify that the above information is correct and I have enclosed any required attachments.

C H HEATHCOAT — C H HEATHCOAT — [signature] — OWNER — 10/1/06
Company Name CONST — Print name of owner/operator — Signature of owner/operator — Tittle of owner/operator — Date

Notifications can not be acceptec without the required fee (Rule 301). Asbestos removals of less than 100 square feet are exempt from notification and fees. Please make checks payable to "SCAQMD". Fees are per notification, not refundable, and vary according to the project size. Fees are as follows:

PROJECT SIZE in square feet	DEMOLITION OR REMOVAL
1,000 or less	$ 43.02
1,001 to 5,000	$ 131.53
5,001 to 10,000	$ 307.86
10,001 to 50,000	$ 482.74
50,001 to 100,000	$ 699.60
100,001 or more	$ 1,166.00

ADDITIONAL SERVICE CHARGES	
Special Handling Fee	$ 43.02
Revision to Notification	$ 43.02
Returned Check Fee	$ 31.97
Planned Renovation	$ 482.74
Procedure 4 or 5 Plan	$ 482.74

ATTENTION: Keep a copy of your notification. State law requires that you provide a copy of the demolition notification to Building and Safety before issuance of a demolition permit. For questions call 909-396-2336. Please mail the form and fee to AQMD. Mailing saves time, money and reduces traffic and air pollution

MAIL FORM AND FEE TO: SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641
FORMS, INSTRUCTIONS, AND THE RULE 1403 CAN BE OBTAINED FROM AQMD WEB SITE AT HTTP://WWW.AQMD.GOV
SCAQMD is located at 21865 Copley Drive, Diamond Bar, CA 91765-4182 **PHONE: (909) 396-2336 FAX: (909) 396-3342**

CITY OF ONTARIO
303 EAST "B" STREET ONTARIO CALIFORNIA 91764-4196 (714) 986-1151

December 6, 1989

To Whom It May Concern

CERTIFICATE OF OCCUPANCY

RE: 1230 Tower Drive
Ontario, California
(Airport Fire Station)

OWNER: City of Los Angeles
Department of Airports
No. 1 World Way
Los Angeles, California 90009

BUILDING PERMIT NO: 68502
PERMIT ISSUED ON: 4-27-88

Gentlemen:

The improvements at subject address on real property in the City of Ontario, have been constructed with periodic inspections by Building Department inspection personnel for compliance with approved plans and applicable City building codes, zoning ordinances and special conditions as required by various City commissions and boards.

Final inspection on these improvements was performed on December 1, 1989. All City agencies with concerns regarding these improvements have given their respective clearances.

You are, therefore, hereby notified that this property and its permitted improvements are released for occupancy.

Sincerely,

Tony M. Lopez
Assistant Building Official

TML/gg

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303 EAST "B" STREET ONTARIO CALIFORNIA 91764-4196 (714) 986-1151

December 6, 1989

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Final inspection on these improvements was performed on December 1, 1989. All City agencies with concerns regarding these improvements have given their respective clearances.

You are, therefore, hereby notified that this property and its permitted improvements are released for occupancy.

Sincerely,

Tony M. Lopez
Assistant Building Official

TML/gg

Address: 2132 E AVION ST ONTA

Permit No. **B200900537**

City of Ontario Building Department

Owner	Contractor	Designer
LAWA	PETROLEUM BUSINESS SYSTEMS 13065 PARK ST SANTA FE SPGS, CA 90670 562 946-6363 Lic #: 674513	Lic #:

Date: 03/24/2009 **Val:** $0.00
Tot Sq. Ft.: 0 **APN:**
New Sq.Ft/TI.: 0 **Tract:**
Units: 0 **Lot:**
Stories: 0 **Block:**
Occ: **Const:**
DAB #: 0 **Var:** 0

Intended Permit Use:

Description / Comments: REPLACE 3/4 HP MOTOR FOR EXISTING PUMP FOR U/G DIESEL TANK

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 674513 Lic. Class C10 Exp. Date 7/31/2009

City Lic. # _____ Expires _____

Date 3/24/09 Signature of Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date _____ Signature of Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.: 288959 Carrier: Lumbermens

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent _____ Date 3/24/09

Electrical		Plumbing		Mechanical	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)
Power to 1HP	(1)	Gas Outlets	(0)	AH to 10K CFM	(0)
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)		
Service Over 600 Volts	(0)				
Misc. Equip	(0)				
Signs	(0)				
Addl. Sign Circ	(0)				

Fees	
Issuance Fee	$0.00
Building Fee	$0.00
Electrical Fee	$28.25
Plumbing Fee	$0.00
Mechanical Fee	$0.00
Grading Fee	$0.00
Inspection Fee	$0.00
Plan Review Fee	$0.00
NMC Dev Fee	$0.00
Development Fee	0
Sewer Assmnt SFD	$0.00
Sewer Assmnt COM	$0.00
Fire Facilities Fee	$0.00
Dust Control Fee	$0.00
S.M.I.P Fee	$0.00
Investigation Fee	$0.00
Microfilm-Permit Fee	$0.00
Microfilm-Plans Fee	$0.00
Xerox Copies Fee	$0.00
Min. Issuance	$19.25
Refund Amount	$0.00

Total Fees	$47.50
Total Payments (-)	$47.50
Balance Due	**$0.00**

City of Ontario
Building Department

INSPECTION REQUESTS 909-395-2361

B2009005 37

POST this in a conspicuous place on the job.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2237		
Planning	395-2036		
Police	395-2940		

This permit becomes void if work not commenced within 365 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final		

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	04-01-09	[illegible]

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

Address: 2132 E AVION ST ONTA

Permit No. **B200802363**

City of Ontario Building Department

Owner	Contractor	Designer
LAWA 7301 WORLD WAY W L.A. CA 90045	TDE CONSTRUCTION & CONSULTING 9513 BUSINESS CENTER DR #F RANCHO CUCAMONGA, CA 91730 909-948-8886 Lic #: 881139 A HAZ	Lic #:

Date: 03/16/2009 Val:$65,000.00
Tot Sq. Ft.: 0 APN:
New Sq.Ft/Ll.: 0 Trct:
Units: 0 Lot:
Stories: 0 Block:
Occ: Const:
DAB #: 0 Var: 0

Intended Permit Use:

Description / Comments:INSTALLATION OF HEALY EVR2 ON UNLEADED FUEL SYSTEM

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 881139 Lic. Class A HAZ Exp. Date 7/31/2010

City Lic. # 68154 Expires 12/31/09

Date 3/16/2009 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

(X) I have and will maintain Worker's Compensation Insurance.

Policy No. 1873470 Carrier: STATE FUND

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent — Date 3/16/2009

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$23.50
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$748.75
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$0.00
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$599.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	0
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$6.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$0.00
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees $1,526.90
Total Payments (-) $1,526.90
Balance Due $0.00

City of Ontario
Building Department

INSPECTION REQUESTS 909-395-2361

B200802363

POST this in a conspicuous place on the job.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2237		
Planning	395-2036		
Police	395-2940		

This permit becomes void if work not commenced within 365 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing	03-26-09	WATKINS
Steel	3-26-09	WATKINS
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	04-09-09	WATKINS

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground	3/27/09	SER
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	04/09/09	WATKINS

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: Approved PVC coated galvanized pipe (3/4") 10' from each P.O.C. OK to backfill SER

City of Ontario Building Department

Address: 1801 E AVION ST ONTA

Permit No. B201000292

Owner	Contractor	Designer
FEDERAL EXPRESS	D.W. NICHOLSON CORP 24747 CLAWITER RD HAYWARD, CA 94545 510-887-0900 Lic #: 68847 C10	Lic #:

Date: 02/09/2010 **Val:** $0.00
Tot Sq. Ft.: 0 **APN:**
New **Sq.Ft/TI.:** 0 **Tract:**
Units: 0 **Lot:**
Stories: 0 **Block:**
Occ: **Const:**
DAB #: 0 **Var:** 0

Intended Permit Use:

Description / Comments:ADD 1 CIRCUIT AND 6 RECEPTACLES IN WIREMOLD

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 68847 Lic. Class C10 Exp. Date 3/31/11

City Lic. # 75866 Expires 12-31-10

Date 3/4/10 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-Insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.: DTACRU3366C Carrier: Travellers
149810

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent

3-4-10
Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$0.00
Outlet/Switch 1-20	(7)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$31.20
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$0.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	0
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			SB1473 Fee	$0.00
Service Over 600 Volts	(0)					Min. Issuance	$17.40
Misc. Equip	(0)					Refund Amount	$0.00
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$48.60
Total Payments (-)	$48.60
Balance Due	**$0.00**

City of Ontario
Building Department

INSPECTION REQUESTS 909-395-2361

B2010002 92

POST this in a conspicuous place on the job.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2237		
Planning	395-2036		
Police	395-2001		

This permit becomes void if work not commenced within 365 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final		

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground	030810	WITHIN
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	031910	WITHIN

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

Address: 2132 E AVION ST ONTA | Permit No. **B201001287** | **City of Ontario Building Department**

Owner	Contractor	Designer		
ONTARIO AIRPORT FIRE STATION	EBERHARD		Date: 05/27/2010	Val:$22,800.00
2132 AVION ST	15220 RAYMER ST		Tot Sq. Ft.: 0	APN:
ONTARIO, CA 91761	VAN NUYS, CA 91405		New Sq.Ft/TI.: 15200	Trct:
	818-782-4604 Lic #: 329087 C39	Lic #:	Units: 0	Lot:
			Stories: 0	Block:
			Occ:	Const:
			DAB #: 0	Var: 0

Intended Permit Use:

Description / Comments:REROOF-GO OVER EXISTING BUR ROCK SHEET, ROOF OVER CONCRETE DECK. REMOVE GRAVEL & INSTALL 1 1/2" ISO THEN ADHERE 1/4 DENS DECK IN ADHESIVE THEN TOUCH ON 2 PLY GAF ADD MODIFIED BITUMEN CAP SHEET (ICC # ESR-1274)

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 329087 Lic. Class C39 Exp. Date 11-20-11

City Lic. # BL0007446 Expires 12-31-[illegible]

Date 5-27-2010 Signature of Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date _____ Signature of Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

(✓) I have and will maintain Worker's Compensation Insurance.

Policy No.: 437646506 Carrier: ZURICH

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent Agent 5-27-10 Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$23.50
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$363.25
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$0.00
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$0.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fe	0
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$4.79
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			SB1473 Fee	$1.00
Service Over 600 Volts	(0)					Min. Issuance	$0.00
Misc. Equip	(0)					Refund Amount	$0.00
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$0.00
Total Payments (-)	$0.00
Balance Due	**$0.00**

City of Ontario
Building Department

INSPECTION REQUESTS 909-395-2361

B2010012 87

POST this in a conspicuous place on the job.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2940		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing	6/10/10	SER
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	6/28/10	SER

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final		

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

Correct address

City of Ontario Building Department

Address: 1230 S TOWER DR ONTA

Permit No. B201001287

Owner	Contractor	Designer
ONTARIO AIRPORT FIRE STATION 2132 AVION ST ONTARIO, CA 91761	EBERHARD 15220 RAYMER ST VAN NUYS, CA 91405 818-782-4604 Lic #: 329087 C39	Lic #:

Date: 05/27/2010 Val:$22,800.00
Tot Sq. Ft.: 0 APN: 11327101
New Sq.Ft/TI.: 15200 Tract:
Units: 0 Lot:
Stories: 0 Block:
Occ: Const:
DAB #: 0 Var: 0

Intended Permit Use:

Description / Comments: REROOF-GO OVER EXISTING BUR ROCK SHEET, ROOF OVER CONCRETE DECK. REMOVE GRAVEL & INSTALL 1 1/2" ISO THEN ADHERE 1/4 DENS DECK IN ADHESIVE THEN TOUCH ON 2 PLY GAF ADD MODIFIED BITUMEN CAP SHEET (ICC # ESR-1274)

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 329087 Lic. Class C39 Exp. Date 11/30/11

City Lic. # OK SC Expires 12/31/10

Date 6/28/10 Signature of Contractor Eric Jacoby

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date _____ Signature of Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

(X) I have and will maintain Worker's Compensation Insurance.

Policy No.: WC437646-06 Carrier: ZURICH AMERICAN

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Eric Jacoby — Signature of Owner or Agent

6/28/10 — Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$23.50
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$363.25
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$0.00
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
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Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$0.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	0
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$4.79
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			SB1473 Fee	$1.00
Service Over 600 Volts	(0)					Min. Issuance	$0.00
Misc. Equip	(0)					Refund Amount	$0.00
Signs	(0)						
Addl. Sign Circ	(0)						

Revised 6/28/10 SC
Address

Total Fees	$0.00
~~Total Payments (-)~~	~~$0.00~~
Balance Due	**$0.00**

CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST	ENV-1C (Page 1 of 1)

NONRESIDENTIAL, HIGH-RISE RESIDENTIAL, HOTEL/MOTEL BUILDINGS ALTERATIONS FOR REROOFING

Site Address: ~~2132 Avion St~~ 1230 S. TOWER	**Climate Zone: 10**	# of Stories:
Building Type: ☑ Non Residential ☐ High-Rise Residential ☐ Hotel/Motel	**Enforcement Agency: City of Ontario**	
Existing roofing type: B.U.R.	New roofing type: GAF	Date: 5-27-2010
Total roof Area: 15,200 ft²	Total reroof Area: 15,200 ft²	% reroof Area: 100 %

COOL ROOF REQUIREMENTS FOR CLIMATE ZONE 10

Note if the roofing product is not CRRC certified, this prescriptive compliance approach cannot be used. Use the Overall Envelope Approach or Performance Approach.

Where more than 50% of the roof or more than 2,000 sqft of roof, whichever is less, is being replaced, recovered or recoated, this altered roof area shall meet the cool roof requirements.

A. NONRESIDENTIAL BUILDINGS:

1. For **low-sloped** roofs (2:12 and below):
   - Minimum 3-year aged solar reflectance = 0.55 AND minimum thermal emittance = 0.75, or
   - Minimum solar reflectance index (SRI) = 64
2. For **steep-sloped** roofs (greater than 2:12) with roofing products density less than 5 lb/ft²:
   - Minimum 3-year aged solar reflectance = 0.20 AND minimum thermal emittance = 0.75, or
   - Minimum solar reflectance index (SRI) = 16
3. For **steep-sloped** roofs (greater than 2:12) with roofing products density of 5 lbs/ft² or more:
   - Minimum 3-year aged solar reflectance = 0.15 AND minimum thermal emittance = 0.75, or
   - Minimum solar reflectance index (SRI) = 10

B. HIGH-RISE RESIDENTIAL AND HOTEL/MOTEL BUILDINGS:

1. For **low-sloped** roofs (2:12 and below):
   - Minimum 3-year aged solar reflectance = 0.55 AND minimum thermal emittance = 0.75, or
   - Minimum solar reflectance index (SRI) = 64

CHECK THE APPLICABLE BOX BELOW FOR THE EXEMPTION OF "COOL ROOF" REQUIREMENTS:

The roof area covered by building integrated photovoltaic panels / solar thermal panels.

Roof constructions that have thermal mass over the roof membrane with a weight of at least 25 lb/ft².

CRRC Product ID Number[1]	Roof Slope ≤2:12	Roof Slope >2:12	Product Weight <5lb/ft²	Product Weight ≥5lb/ ft²	Product Type[2]	Aged Solar Reflectance[3]		Thermal Emittance	SRI[5]	Special Feature[6]
	☑	☐	☑	☐		☐[4]				☐
	☐	☐	☐	☐		☐[4]				☐

1. The CRRC Product ID Number can be obtained from the Cool Roof Rating Council's Rated Product Directory at www.coolroofs.org/products/search.php

2. Indicate the type of product is being used for the roof top, i.e. single-ply roof, asphalt roof, metal roof, etc.

3. If the Aged Reflectance is not available in the Cool Roof Rating Council's Rated Product Directory then use the Initial Reflectance value from the same directory and use the equation (0.2+0.7(ρ initial - 0.2) to obtain a calculated aged value. Where ρ is the Initial Solar Reflectance.

4. Check box if the Aged Reflectance is a calculated value using the equation above.

5. The SRI value needs to be calculated from a spreadsheet calculator at http://www.energy.ca.gov/title24/

6. Indicate Special Feature on this page of the Inspection Checklist Form below.

To apply **Liquid Field Applied Coatings,** the coating must be applied across the entire roof surface and meet the dry mil thickness or coverage recommended by the coatings manufacturer and meet minimum performance requirements listed in Energy Standards § 118(i)4. Select the applicable coating:

☐ Aluminum-Pigmented Asphalt Roof Coating ☐ Cement-Based Roof Coating ☐ Other _____

SPECIAL FEATURES INSPECTION CHECKLIST

Exempt. No Air Conditioning space. Exempt from a Cool roof

Documentation Author's Declaration Statement

- **I certify that this Certificate of Compliance documentation is accurate and complete.**

Name: Carlos Zamora ☐ Owner ☑ Authorized agent ☐ Contractor	Signature: Agent
Company : Ebernard	Contractor license #: 329087
Address: 15220 Raymer St	Phone: 818 782 4604
City/State/Zip: Van Nuys CA 91405	Date: 5-27-2010

GAF NOTICE OF AWARD CONFIRMATION

GAF Materials Corp. is a division of BMCA

As of Date: 06/10/10

Status: PA

Type of Guarantee: RUBEROID DIAMOND PLEDGE 10 **REF. FILE NO: 2010-00002771**

1. BUILDING OWNER'S NAME, ADDRESS, PHONE:
LOS ANGELES WORLD AIRPORTS (LAWA)
~~2132 AVION STREET~~ / 230 S. TOWER
ONTARIO, CA 91761
Contact Name: JOHN SANDGREN
Phone: 909-975-5901

2. ROOFING CONTRACTOR'S NAME AND ADDRESS:
Eberhard
Dave Stelko
15220 Raymer St
Van Nuys, CA, 91405
Tel: 818-782-4904 Fax: 818-782-5099

3. GENERAL CONTRACTOR'S NAME AND ADDRESS:

4. SPECIFIER'S/CONSULTANT'S NAME AND ADDRESS:

5. BUILDING NAME, ADDRESS WITH COUNTY:
FIRE STATION/SAFETY BASE
2132 AVION STREET
ONTARIO, CA 91761

6. BUILDING DESCRIPTION - USAGE, HEIGHT, ETC:
Usage: FIRE STATION
Height: 14' & 21' Length: 128' Width: 58'
# of Buildings: 1 Roof Access:

Project Details:

Start Date: 06/07/10 Compl. Date: / / Specification #: I02TG
AIS Project #: Total Squares: 155.00 Roof Slope: 1/4"
Project Type: RECOVER Test Cuts Completed: No Moisture Scan Completed: No
Recover Existing Roof Description: CONCRETE DECK, 1.5"PERLITE, COAL TAR AND GRAVEL
Deck Type: Structural Concrete Steel: Indicate Gauge Wood: Indicate Type: Thickness:
Multiple Deck: Yes Description:
Vapor Barrier: Yes Barrier Type and Attachment: FULLY ADHERED COAL TAR Top Side Venting:

Product Information:

Insulation Supplied by GAF: Yes
Layer 1: Product Type: EnergyGuard™ ISO Thickness: 1.5" Attachment: Adheard Adhesive Type:
Layer 2: Product Type: DensDeck® Prime Thickness: 1/4" Attachment: Adheard Adhesive Type: OLYBOND
Base Flashing: Lineal Feet of Flashing: 700' Specification: 2XTT Wall Construction: NON-COMBUSTABLE
1st Ply: RUBEROID TORCH FR 2nd Ply: RUBEROID TORCH GRAN. 3rd Ply:

Roof Assembly:

Base Sheet: Attachment:
GAF Interply: Number of Ply's: 1 Product: RUBEROID Interply Attachment: TORCHED
Membrane Cap Sheet: RUBEROID TORCH GRAN. Surfacing:
Asphalt Type: Asphalt Manufacturer:

GAFMC GUARANTEED CONTRACTOR:

GAFMC is relying on the above information in issuing a guarantee. Please verify it is correct. Changes made after the guarantee has been issued are subject to a fee. Remember, only those materials manufactured or marketed by GAFMC are eligible for guarantee.
Territory Manager: Randy Swank, Dodie Daniel, Mik

We require the following information before issuance of your guarantee:

* FINAL INSPECTION REPORT
* FINAL INSPECTION RATING
* NOTICE OF COMPLETION
* OPEN BALANCE DUE -- SEE BELOW

For final inspection please call: Roof Protection Services : 800-282-1312

Statement of Account:

- Payment History -

Payment Type	Payment Date	Payment/Check #	Amount

Comp. Quote: BP-1
Comp. Per Sq.: $4.00
Minimum Amt: $750.00

Project Balance: $750.00

GAF NOTICE OF AWARD CONFIRMATION

GAF Materials Corp. is a division of BMCA

As of Date: 05/29/10

Status: PA

Type of Guarantee: RUBEROID DIAMOND PLEDGE 10 **REF. FILE NO:** 2010-00002771

1. BUILDING OWNER'S NAME, ADDRESS, PHONE:
LOS ANGELES WORLD AIRPORTS (LAWA)
~~2132 AVION STREET~~ 1230 S. TOWER
ONTARIO, CA 91761
Contact Name: JOHN SANDGREN
Phone: 909-975-5901

2. ROOFING CONTRACTOR'S NAME AND ADDRESS:
Eberhard
Dave Stefko
15220 Raymer St
Van Nuys, CA, 91405
Tel: 818-782-4604 Fax: 818-782-5099

3. GENERAL CONTRACTOR'S NAME AND ADDRESS:

4. SPECIFIER'S/CONSULTANT'S NAME AND ADDRESS:

5. BUILDING NAME, ADDRESS WITH COUNTY:
FIRE STATION/SAFETY BASE
2132 AVION STREET
ONTARIO, CA 91761

6. BUILDING DESCRIPTION - USAGE, HEIGHT, ETC:
Usage: FIRE STATION
Height: 14' & 21' Length: 128' Width: 56'
# of Buildings: 1 Roof Access:

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Deck Type: Structural Concrete Steel: Indicate Gauge Wood: Indicate Type: Thickness:
Multiple Deck: Yes Description:
Vapor Barrier: Yes Barrier Type and Attachment: FULLY ADHERED COAL TAR Top Side Venting:

Product Information:

Insulation Supplied by GAF: Yes
Layer 1: Product Type: EnergyGuard™ ISO Thickness: 1.5" Attachment: Adheard Adhesive Type:
Layer 2: Product Type: DensDeck® Prime Thickness: 1/4" Attachment: Adheard Adhesive Type: OLYBOND
Base Flashing: Lineal Feet of Flashing: 700' Specification: 2XTT Wall Construction: NON-COMBUSTABLE
1st Ply: RUBEROID TORCH FR 2nd Ply: RUBEROID TORCH GRAN. 3rd Ply:

Roof Assembly:

Base Sheet: Attachment:
GAF Interply: Number of Ply's: 1 Product: RUBEROID Interply Attachment: TORCHED
Membrane Cap Sheet: RUBEROID TORCH GRAN. Surfacing:
Asphalt Type: Asphalt Manufacturer:

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GAFMC is relying on the above information in issuing a guarantee. Please verify it is correct. Changes made after the guarantee has been issued are subject to a fee. Remember, only those materials manufactured or marketed by GAFMC are eligible for guarantee.

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We require the following information before issuance of your guarantee:

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- OPEN BALANCE DUE – SEE BELOW

For final inspection please call: Roof Protection Services : 800-282-1312

Statement of Account:

- Payment History -

Payment Type	Payment Date	Payment/Check #	Amount

Comp. Quote: BP-1
Comp. Per Sq.: $4.00
Minimum Amt: $750.00

Project Balance: $750.00

Questions?: Please call your local Sales Rep. or Contractor Services
Phone: [800] 766-3411 - Fax: [973] 628-3356 - Address: GAFMC, Building 11, 1361 Alps Road, Wayne, NJ 07470.

REF. FILE NO: 2010-00002771

Address: 1230 S TOWER DR ONTA Permit No. **B200501842**

City of Ontario Building Department

Owner	Contractor	Designer
CITY OF LOS ANGELES 1 WORLD WAY LOS ANGELES CA 90045	SAME AS OWNER Lic #: 000	 Lic #:

Date: 07-27-2005 Val: $0.00
Trct: APN: 11327101
Sq.Ft.: 0 Avig:
Units: 0 Lot: 0
Stories: 0 Block:
Occ: Const:
DAB #: 0 Var: 0

Intended Permit Use:

Description / Comments:INSTALL 1 ELECTRICAL OUTLET IN ONTARIO FIRE DEPT CHIEF AND CAPTAINS OFFICE.

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License #_____Lic. Class_____Exp. Date_____

City Lic. #_____ Expires_____

Date_____ Signature of Contractor_____

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I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date 07/27/05 Signature of Owner E. R. Hildebrand

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.:_____ Carrier:_____

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NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

E. R. Hildebrand 07/27/05
Signature of Owner or Agent Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$0.00
Outlet/Switch 1-20	(1)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$24.60
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$0.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$1.50
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$22.90
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$86.60
Total Payments (-)	$86.60
Balance Due	**$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

B20050842

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2030		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Final		

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	10-07-10	P. Rico

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Forms		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

Address: 1923 E AVION ST ONTA

Permit No. **B200801451**

City of Ontario Building Department

Owner	Contractor	Designer
CITY OF LOS ANGELES #1 WORLD WAY LOS ANGELES CA 90009 90009	SAME AS OWNER Lic #: 000	Lic #:

Date:
Tot Sq. Ft.: 0
New Sq.Ft/TI.: 0
Units: 0
Stories: 0
Occ:
DAB #: 0

Val: $0.00
APN: 11326106
Tract:
Lot:
Block:
Const:
Var: 0

Intended Permit Use:

Description / Comments:INSTALL (2)-120V OUTLETS ROOM 202 (COMM EQUIPMENT ROOM) AND (2) 120V OUTLETS IN FIRST FLOOR EAST OFFICE CUBICLE AREA.

Not installed per Paul Panagiotidis, Senior Elect. of LAWA

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License #_____ Lic. Class_____ Exp. Date_____

City Lic. #_____ Expires_____

Date_____ Signature of Contractor_____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date 6-4-08 Signature of Owner

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.:_____ Carrier:_____

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent

6-4-08
Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$0.00
Outlet/Switch 1-20	(4)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$27.90
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$0.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	0
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$19.60
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$47.50
Total Payments (-)	$47.50
Balance Due	**$0.00**

City of Ontario
Building Department

INSPECTION REQUESTS 909-395-2361

B20080145I

POST this in a conspicuous place on the job.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2940		

This permit becomes void if work is not commenced within 180 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final		

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	10/07/2010	P. Rico

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: See note on front of permit card. Rico 10-7-10

Address: 2475 E AVION ST ONTA

Permit No. **B200800675**

City of Ontario Building Department

Owner	Contractor	Designer
CITY OF LOS ANGELES #1 WORLD WAY LOS ANGELES CA 90009 90009	BEST CONTRACT SERVICES 19027 S HAMILTON AV GARDENA, CA 90248 ~~310-328-6969 Lic #: 456263 C39~~	Lic #:

Date: 03/06/2008 **Val:**$55,500.00
Tot Sq. Ft.: 0 **APN:** 11327102
New Sq.Ft/TI.: 37000 **Trct:**
Units: 0 **Lot:**
Stories: 0 **Block:**
Occ: **Const:**
DAB #: 0 **Var:** 0

Intended Permit Use:
Description / Comments:REROOF HANGER, T/O, APPLY HOT B.U.R.

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 456263 Lic. Class 3-39 Exp. Date 5-31-08
City Lic. # BL0006334S Expires 12-31-08
Date 3-6-08 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.: 2619559 Carrier: ACORD

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent

3-6-08
Date

Electrical		Plumbing		Mechanical	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)		
Service Over 600 Volts	(0)				
Misc. Equip	(0)				
Signs	(0)				
Addl. Sign Circ	(0)				

Fees	
Issuance Fee	$23.50
Building Fee	$685.75
Electrical Fee	$0.00
Plumbing Fee	$0.00
Mechanical Fee	$0.00
Grading Fee	$0.00
Inspection Fee	$0.00
Plan Review Fee	$0.00
NMC Dev Fee	$0.00
Development Fee	0
Sewer Assmnt SFD	$0.00
Sewer Assmnt COM	$0.00
Fire Facilities Fee	$0.00
Dust Control Fee	$0.00
S.M.I.P Fee	$0.00
Investigation Fee	$0.00
Microfilm-Permit Fee	$0.00
Microfilm-Plans Fee	$0.00
Xerox Copies Fee	$0.00
Min. Issuance	$0.00
Refund Amount	$0.00

Total Fees	$720.91
Total Payments (-)	$720.91
Balance Due	**$0.00**

City of Ontario
Building Department

INSPECTION REQUESTS 909-395-2361

B200800675

POST this in a conspicuous place on the job.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2940		

P.S. This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing Foam Sheathing	3-7-08	T Bigne
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	10-07-10	R. Rico

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final		

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

Address: 1801 E AVION ST ONTA Permit No. **B201000392**

City of Ontario Building Department

Owner	Contractor	Designer
FEDERAL EXPRESS 2601 MAIN ST #270 IRVINE, CA 92614	SAME AS OWNER Lic #: 000	Lic #:

Date:
Val:$93,500.00
Tot Sq. Ft.: 0
APN:
New **Sq.Ft/TI.:** 300
Tract:
Units: 0
Lot:
Stories: 0
Block:
Occ:
Const:
DAB #: 0
Var: 0

Intended Permit Use:

Description / Comments:FENCING, GUARD SHACK 15'x20' , ELEC GATES, PARKING STRIPING AT AIRPORT

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License #_____ Lic. Class_____ Exp. Date_____

City Lic. #_____ Expires_____

Date_____ Signature of Contractor_____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date 2/08/2011 Signature of Owner [signature]

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.:_____ Carrier:_____

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

[signature] 02/08/2011

Signature of Owner or Agent Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$23.50
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$951.75
Outlet/Switch 1-20	(8)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$67.20
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(1)	Plumbing Fee	$0.00
Light Fix 1-20	(4)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$38.30
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$761.40
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	0
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$19.64
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.00
Service to 200 Amps	(1)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			SB1473 Fee	$4.00
Service Over 600 Volts	(0)					Min. Issuance	$0.00
Misc. Equip	(0)					Refund Amount	$0.00
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees $2,165.79
Total Payments (-) $2,165.79
Balance Due $0.00

City of Ontario
Building Department

INSPECTION REQUESTS 909-395-2361

B2010000392

POST this in a conspicuous place on the job.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2237		
Planning	395-2036		
Police	395-2940		

This permit becomes void if work not commenced within 365 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing	3/1/11	JBegue
Steel		
Slab Grade Floor Bolts A325	3/17/11	JBegue
Floor Joists		
Floor Sheathing	3-17-11	JBegue
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
~~Framing~~ & Flashing		
Insulation Floor	3-8-11	JBegue
Drywall Nailing		
Lathing & Siding		
~~T-Bar~~ Steel Deck	3-17-11	JBegue
~~Grading/Compaction~~ under FL Track	3-17-11	JBegue
Final	4/20/11	JBegue

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric	4/22/11	JBegue
Rough Electric – T-Bar		
SRV's Ground & Bond	4/21/11	JBegue
Final	4/22/11	JBegue

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical	4/12/11	JBegue
Ducts, Ventilating		
Grills & Hoods		
Final	4/12/11	JBegue

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: 3-1-11 Building Steel, Underground Conduit OK (JB) 3/8/11 Partial Floor Insulation OK (JB)
3-9-11 Floor Meter Deck OK, METAL FRAME BASE Steel OK pending UL Listing Report See Correction 3/10/11 Corrected (JB) 3/17/11 Reinspection on Base Framing with approved Bolts A325 as per Plan, Steel Deck Roof change from Engineer Dept Other ESR #2405 Plan Sheet 1414 Engineer Stamped change in File For 2405 Report, Steel Deck OK, Floor Sheathing OK (JB)
3-17-11 Floor with TRACK OK (JB) 3/24/11 See Correction (JB) See page (JB)
3-29-11 Electrical Correction + ADA Signage (JB)
4/4/11 2 corrections corrected Elect (JB) 4/12/11 See correction completed ADA Needs Clearance (JB)
4/6/11 Fence Post Footing all OK (JB)

Address: 2475 E AVION ST ONTA

Permit No. **B200700739**

City of Ontario Building Department

Owner: ~~EXPRESS JET~~ City of Los Angeles
~~2475 E AVION ST~~
~~ONTARIO, CA 91761~~

Contractor
GLOBAL CONSTRUCTION, INC.
16021 ARROW HWY #E
IRWINDALE, CA 91706
626 960-4728 Lic #: 818459

Designer
Lic #:

Date: 03/05/2007
Tot Sq. Ft.: 0
New **Sq.Ft/TI.:** 0
Units: 0
Stories: 0
Occ:
DAB #: 0

Val: $0.00
APN:
Trct:
Lot:
Block:
Const:
Var: 0

Intended Permit Use:
Description / Comments: ADD 1 SINK IN LUNCHROOM OF AIRCRAFT HANGER FOR EXPRESS JET

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 818459 Lic. Class B Exp. Date 4/30/07

City Lic. # _____ Expires _____

Date 3/5/07 Signature of Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date _____ Signature of Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

(X) I have and will maintain Worker's Compensation Insurance.

Policy No.: 1815857-05 Carrier: State Fund

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent _____ Date 3/5/07

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(1)	Furnace To 100M BTU	(0)	Issuance Fee	$0.0
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$0.0
Outlet/Switch 1-20	(0)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$0.0
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$33.2
Light Fix 1-20	(0)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.0
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.0
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.0
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$0.0
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.0
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	0
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.0
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$559.4
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.0
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.0
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.0
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.0
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.0
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$0.0
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.0
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$14.2
Service Over 600 Volts	(0)					Refund Amount	$0.0
Misc. Equip	(0)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees	$644.5
Total Payments (-)	$644.5
Balance Due	**$0.0**

City of Ontario
Building Department

INSPECTION REQUESTS 909-395-2361

B200700739

POST this in a conspicuous place on the job.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2940		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final		

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric		
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final		

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final	04/04/2007	W Barlow

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: _____

Address: 2475 E AVION ST ONTA

Permit No. **B200700425**

City of Ontario Building Department

Owner: City of Los Angeles
EXPRESS JET
2475 E AVION ST
ONTARIO, CA 91761

Contractor
GLOBAL CONSTRUCTION, INC.
16021 ARROW HWY #E
IRWINDALE, CA 91706
626 960-4728 Lic #: 818459

Designer

Lic #:

Date: 02/26/2007 Val:$45,000.00
Tot Sq. Ft.: 0 APN:
New Sq.Ft/TI.: 0 Trct:
Units: 0 Lot:
Stories: 0 Block:
Occ: Const:
DAB #: 0 Var: 0

Intended Permit Use:

Description / Comments:(EXPRESS JET'S AIRCRAFT HANGER) MINOR TI OF REPLACING FIRE RATED AND NON-RATED DOOR ASSEMBLIES, PATCH ROOF AND WALLS, ELECTRICAL, AND MECH/

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 818459 Lic. Class B Exp. Date 4/30/07

City Lic. # 67092 Expires

Date 2/26/07 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date Signature of Owner

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

( ) I have and will maintain Worker's Compensation Insurance.

Policy No.: 181585T-05 Carrier: State Fund

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent

2/26/07
Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(1)	Furnace To 100M BTU	(0)	Issuance Fee	$23.50
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$593.75
Outlet/Switch 1-20	(20)	Building Sewer	(1)	Floor Furnace	(0)	Electrical Fee	$200.60
Outlet/Switch >20	(25)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$57.95
Light Fix 1-20	(20)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$76.75
Light Fix >20	(50)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$475.00
Non-Res App	(5)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(5)	Development Fee	0
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$372.96
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$15.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(0)			Min. Issuance	$0.00
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(3)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees $1,943.32
Total Payments (-) $1,943.32
Balance Due $0.00

City of Ontario
Building Department

INSPECTION REQUESTS 909-395-2361

B2007004Z5

POST this in a conspicuous place on the job.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2940		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing A	03-05-07	W Johnson
Insulation		
Drywall Nailing	3-9-7	Blank
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final	04-04-07	W Johnson

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric A	03-05-07	W Johnson
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	04-04-07	W Johnson

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground	03-05-07	W Johnson
Water Piping		
On-Site Sewer	03-05-07	W Johnson
Rough Plumbing	03-05-07	W Johnson
Gas Pipe-Test		
Roof Drains		
Final	04-04-07	W Johnson

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		
Final		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: A WALL CONDUIT ONLY / W JOHNSON

A BREAKROOM VENDING AREA & STORE ROOM W JOHNSON

3/29/08 CORR ISSUE FOR ROOF WORK SEEN DONE W/O PERMIT. A
B

Address: 2475 E AVION ST

Permit No. **B200203270**

City of Ontario Building Department

Owner
~~LA WORLD AIRPORT~~
City of Los Angeles

Contractor
CROSS STATE ELECTRIC, INC.
2445 RAILROAD ST
CORONA 92880
737-8870 Lic #: 412061

Architect
Lic #:

Engineer
Lic #:

Date: 10-16-2002 Val: $0.00
Trct: APN:
Sq.Ft.: 0 Avig: N
Units: 0 Lot:
Stories: 0 Block:
Occ: Const:
DAB #: 0 Var: 0

Intended Permit Use: ELECTRICAL FOR TI

Description / Comments:
ELECTRICAL FOR TI B200203153, 3154

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 412061 Lic. Class C10 HIC Exp. Date 10/31/2003

City Lic. # 13L0005085Y Expires 12-31-02

Date 10-16-02 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

(•) I have and will maintain Worker's Compensation Insurance.

Policy No.: WC19431999 19 Carrier: American Cas. Co. of Reading PA

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent

10-16-02
Date

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furance To 100M BTU	(0)	Issuance Fee	$0.00
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furance Ovr 100M BTU	(0)	Building Fee	$0.00
Outlet/Switch 1-20	(20)	Building Sewer	(0)	Floor Furance	(0)	Electrical Fee	$166.60
Outlet/Switch >20	(20)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$0.00
Light Fix 1-20	(2)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$0.00
Light Fix >20	(0)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(0)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$0.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	Parks & Rec SFD	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Parks & Rec MFD	$0.00
Power >1-10HP	(0)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(0)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Sewer Assmnt ENG	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(0)	Fire Facilities Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(0)	Hood	(0)	Dust Control Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	S.M.I.P Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Investigation Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Permit Fee	$0.00
Service to 200 Amps	(1)	Misc.	(0)	Comm/Indust Inc	(0)	Microfilm-Plans Fee	$0.00
Service 201-1000 Amps	(0)			Misc. Appl/Equip	(0)	Xerox Copies Fee	$0.00
Service Over 600 Volts	(0)					Storm Drain Fee	$0.00
Misc. Equip	(0)					Water Fee	$0.00
Signs	(3)					Sewer Fee	$0.00
Addl. Sign Circ	(0)					Helicopter Flyover	$0.00
						Refund Amount	$0.00

Total Fees	$166.60
Total Payments (-)	$166.60
Balance Due	**$0.00**

City of Ontario

Building Department

Telephone: (909) 395-2023
Inspectors' Direct Line: (909) 395-2362
Inspection Requests **ONLY**: (909) 395-2361
Fax No.: (909) 395-2180

POST this in a conspicuous place on the job.

B20020 03270

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.
Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2169		
Planning	395-2036		
Police	395-2240		

This permit becomes void if work not commenced within 180 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing		
Insulation		
Drywall Nailing		
Lathing & Siding		
T-Bar		
Grading/Compaction		
Final		

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground		
Rough Electric *	10/22/02	A
Rough Electric – T-Bar		
SRV's Ground & Bond		
Final	10-22-02	AS.

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground		
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical		
Ducts, Ventilating		
Grills & Hoods		

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: * 10/22/02 Rough Elec Partial on Shop Area only A
10/28/02 Final Phase 2 II only A
EXPIRED PERMIT. SITE INSPECTED ON 7-12-11, THE BLDG IS ABANDONED & WORK APPEARS TO BE COMPLETED & NO APPARENT DANGER EXIST. RKO

Address: 2161 E AVION ST ONTA | Permit No. **B200802946** | **City of Ontario Building Department**

Owner	Contractor	Designer	
CITY OF LOS ANGELES 1 WORLD WAY LOS ANGELES CA 90045	G C CONSTRUCTION CO INC 16301 1/2 PIUMA AVE CERRITOS, CA 90703 562-924-0801 Lic #: 464665	Lic #:	Date: 05/28/2009 Tot Sq. Ft.: 0 New Sq.Ft/TL.: 0 Units: 0 Stories: 0 Occ: DAB.#: 0

Val:100,000.00
APN: 11326107
Trct:
Lot:
Block:
Const:
Var: 0

Intended Permit Use:

Description / Comments:TI @ EX. AIRPORT HANGAR: REMODEL OF MULTI-PURPOSE ROOM & PORTION OF HANGAR (MECH, ELEC, PLUMB)

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 464665 Lic. Class B C-9 Exp. Date 10-31-2010

City Lic. # OK de Expires 12/31/09

Date 5-28-09 Signature of Contractor

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business an Professions Code).

Date_____ Signature of Owner_____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insure for worker's compensation.

(X) I have and will maintain Worker's Compensation Insurance.

Policy No.: 0000651-2009 Carrier: STATE FUND

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provision of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Signature of Owner or Agent — Date 5-28-09

Electrical		Plumbing		Mechanical		Fees	
Temp Power Service	(0)	Fixtures/Vents	(0)	Furnace To 100M BTU	(0)	Issuance Fee	$23.50
Temp Dist Sys	(0)	Repair Vent/Drain	(0)	Furnace Ovr 100M BTU	(0)	Building Fee	$993.75
Outlet/Switch 1-20	(10)	Building Sewer	(0)	Floor Furnace	(0)	Electrical Fee	$128.39
Outlet/Switch >20	(0)	Cesspool	(0)	Unit/Wall Heater	(0)	Plumbing Fee	$40.55
Light Fix 1-20	(20)	Priv Sewage Sys	(0)	Boiler To 100M BTU	(0)	Mechanical Fee	$119.35
Light Fix >20	(23)	Ind. Waste Intercept	(0)	Boiler 101-500M BTU	(0)	Grading Fee	$0.00
Platform/Thea	(0)	Rainwater Sys.	(0)	Boiler 501-1000M BTU	(0)	Inspection Fee	$0.00
Res App	(0)	New/Repair Water Pipe	(1)	Boiler 1001-1750M BTU	(0)	Plan Review Fee	$795.00
Non-Res App	(0)	Water Heaters	(0)	Boiler +1750M BTU	(0)	NMC Dev Fee	$0.00
Power to 1HP	(0)	Gas Outlets	(0)	AH to 10K CFM	(0)	Development Fee	0
Power >1-10HP	(3)	Gas Outlets >5	(0)	AH Ovr 10K CFM	(0)	Sewer Assmnt SFD	$0.00
Power > 10-50HP	(0)	Lawn Spr Sys.	(0)	Evap Cooler	(3)	Sewer Assmnt COM	$0.00
Power >50-100HP	(0)	Atm. Bckflw/Vac 1-5	(0)	Vent Fan	(0)	Fire Facilities Fee	$0.00
Power >100HP	(0)	Atms. Bckflw/Vac. >5	(0)	Vent Systetm	(3)	Dust Control Fee	$0.00
Pri Swim Pool	(0)	Bckflw Device to 2"	(1)	Hood	(0)	S.M.I.P Fee	$0.00
Carvl/Circus Gen	(0)	Bckflw Device >2"	(0)	Equip Repair/Alter	(0)	Investigation Fee	$0.00
Display/Lighting/Etc:	(0)	Public Pools	(0)	Appl Vents	(0)	Microfilm-Permit Fee	$0.00
Busway Length (Feet)	(0)	Public Spas	(0)	Domestic Inc	(0)	Microfilm-Plans Fee	$15.00
Service to 200 Amps	(0)	Misc.	(0)	Comm/Indust Inc	(0)	Xerox Copies Fee	$0.00
Service 201-1000 Amps	(0)	Misc. Appl/Equip	(3)			Min. Issuance	$0.00
Service Over 600 Volts	(0)					Refund Amount	$0.00
Misc. Equip	(1)						
Signs	(0)						
Addl. Sign Circ	(0)						

Total Fees $2,136.54
Total Payments (-) $2,136.54
Balance Due $0.00

City of Ontario
Building Department

B2008029 46

INSPECTION REQUESTS 909-395-2361

POST this in a conspicuous place on the job.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be on job site at all times.

OTHER DEPARTMENT RELEASES:

Department Approval required prior to the building being released by the City.

Department	Phone No.	Date	Inspector
Engineering	395-2025		
Fire	395-2029		
Public Facilities	395-2237		
Planning	395-2036		
Police	395-2001		

This permit becomes void if work not commenced within 365 days from date of issuance, OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Setback & Footing		
Steel		
Slab Grade		
Floor Joists		
Floor Sheathing		
Roof Framing		
Roof Sheathing		
Shear Wall & Pre-Lath		
Shear Wall Interior		
Framing & Flashing 4		
Insulation		
Drywall Nailing	06-29-09	W JOHNSON
Lathing & Siding		
T-Bar	07-21-09	W JOHNSON
Grading/Compaction		
Final	7-12-11	P. RICO

ELECTRICAL APPROVALS		
Temp. Power Pole		
Conduit Underground	6/25/09	J Berg
Rough Electric		
Rough Electric – T-Bar	07/21/09	W JOHNSON
SRV's Ground & Bond		
Final	7-12-11	P. RICO

BLOCKWALL APPROVALS		
Setback & Footing		
Bond Beam & Vertical Steel		
Final		

WALL PANEL APPROVALS		
Panels		
Pour Strip		
Site Walls/Trash Enclosure		
Final		

PLUMBING APPROVALS		
Ground	6/25/09	J Berg
Water Piping		
On-Site Sewer		
Rough Plumbing		
Gas Pipe-Test		
Roof Drains		
Final	7-12-11	P. RICO

MECHANICAL APPROVALS		
Underground Ducts		
Rough Mechanical	07/21/09	W JOHNSON
Ducts, Ventilating		
Grills & Hoods		
Final	7-12-11	P. RICO

POOL & SPA APPROVALS		
Dep. Inspector		
Pool Steel Rein/Bond		
Pool Plumbing/Press Test		
Pre-Gunite		
Rough Pool Electric		
Gas Piping/Test		
Pool Fencing/Access		
Pre-Plaster		
Final – Pool/Spa		

ENCROACHMENT PERMIT		
Clearance		

FIRE SPRINKLER APPROVALS		
Rough		
Final		

NOTES: 4 FRAMING WAS 2 STUDS INFRNT DOOR W JOHNSON 08/19/09 NOT READY FOR FINAL CAL

Address: 1923 E AVION ST, BLDG# 2, ONTARIO, CA 91761 Permit No. **B201300405**

City of Ontario Building Department

OWNER:
CITY OF LOS ANGELES
#1 World Way
Los Angeles Ca 90009

CONTRACTOR
Fleming Environmental Incorporated
1372 E Valencia Dr
Fullerton, Ca 92831
Phone : 7148712800
Lic. # 746017 A, Haz, B

Date: 4/8/2013 12:53 Valuation $25,000.00
Total Sq Ft: 0 APN: 11326106
New Sq Ft: 0 Lot: 0
Units: 0 Tract: 0
DAB Nbr: 0 Block: 0
Construction Type:
Other Miscellaneous

Description/Comments: REPLACING EXISTING 250 GAL UST WITH NEW 250 GAL UL 2085 UST AND DEMO EXISTING CANOPY

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to

Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in

License # 746017 Lic. Clas A, HAZ Exp. Dat _____

City Lic. # 56805 Expires: _____

4/8/13 Date _____ Signature of Contractor

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:

( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation

WC Policy No None Listed 65256167 Carrier Granite State Ins. Co.

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property

4/8/13 Date _____ Signature of Owner or Agent

Electrical Plumbing Mechanical

Fees:

Issuance Fee	23.50
Building Fee:	414.75
Plan Review Fees:	289.50
Electrical Fee:	0.00
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	5.25
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	1.00
TOTAL FEES:	$1,406.50
TOTAL PAYMENTS:	1,406.50
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20|300405

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2903
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final	04-17-13	

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final		

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES:

Rev. 2/2012

Address: 1923 E AVION ST, ONTARIO, CA 91761 Permit No. **B201500455** **City of Ontario Building Department**

OWNER:
CINCO AIR CHARTER LLC
2161 E Avion St
Ontario 91761

CONTRACTOR
Eaton Corporation
4863 Shawline Street Ste E
San Diego, Ca 92111
Phone : (619)692-6565
Lic. # 945886

CONTACT
Phone : (909) 24-6559
Cell Phone:

Date: 3/20/2015 Valuation 0.00
Total Sq Ft: APN: 11326106
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:

Description/Comments: REPLACE FIRE DAMAGED 3000 AMP ELECTRICAL SERVICE WITH 2000 AMP.

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code)

Date Signature of Owner

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 945886 Lic. Class C10 Exp. Date
City Lic. # 82329 Expires: 12/31/2015

3-20-2015 Date Signature of Contractor

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
(X) I have and will maintain Worker's Compensation Insurance

WC Policy No. MWC304045 Carrier

(X) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

3-20-2015 Date Signature of Owner or Agent

Electrical
Srv >1000 Amps: 1

Plumbing

Mechanical

Fees:

Issuance Fee	47.00
Building Fee:	0.00
Plan Review Fees:	94.74
Electrical Fee:	124.30
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0 00
Dust Control Fee	0.00
SMIP Fee:	0.00
Investigation Fee	0.00
Microfilm Fee:	7.50
Copies Fee:	0.00
SB1473 Fee:	0.00

TOTAL FEES:	$332.66
TOTAL PAYMENTS:	$332.66
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B201500455

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/(Com) New/Reset/(Upgrade)	Amps 2000	Date 4-10-15 Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final		

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric	4-10-15	P. Rico
Rough Electric – T-Bar		
SRV's Grounding & Bonding	4-10-15	P. Rico
Final	4-10-15	P. Rico

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

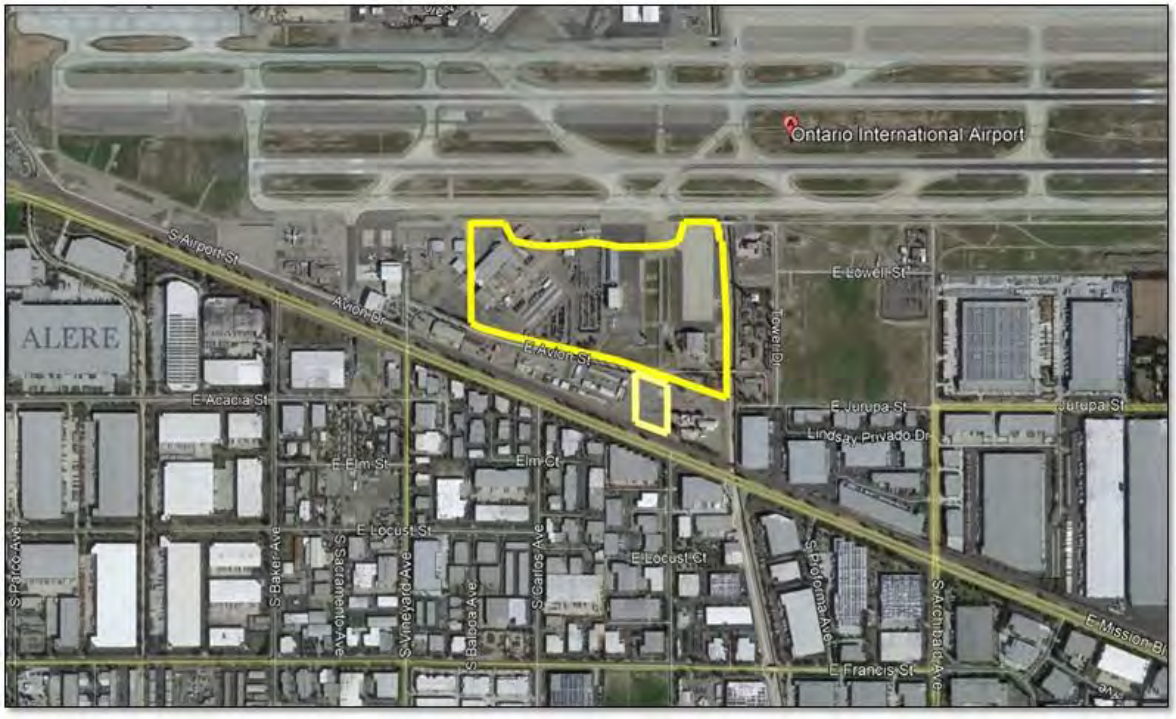
NOTES: 4/13/15 - Edison released. KB

Please let us know if you have any questions.

- 1049 South Vineyard Avenue
- 1280 South Tower Drive
- 1801 East Avion Drive
- 1922 East Avion Street
- 1923 East Avion Street (also Drive and Place)
- 2132 Avion (Also East Avion Street)
- 2161 East Avion Street
- 2264 East Avion Street (also Place)
- 2475 East Avion Street
- 2500 Jarupa Street
- 1230 Tower Drive
- 1250 Tower Drive

The parcels associated with the property are as follows:

- Parcel 61/ APN 011326106 (approximately 38 acres)
- Parcel 62/ APN 011326107 (approximately 15 acres)
- Parcel 63/ APN 011326108 (approximately 2 acres)
- Parcel 67/ APN 011327101 (approximately 9 acres)
- Parcel 68/ APN 011327102 (approximately 11 acres)



Address: 2161 E AVION ST, BLDG# 2, ONTARIO, CA 91761 Permit No. **B201300124**

City of Ontario Building Department

OWNER:
CITY OF LOS ANGELES
#1 World Way
Los Angeles Ca 90009

CONTRACTOR
Mjk Construction
2766 Pomona Blvd.
Pomona, Ca 91768
Phone : 9095949830
Lic. # 586870 A, B, Haz

Date: 1/17/2013 4:0 Valuation $0.00
Total Sq Ft: 0 APN: 11326107
New Sq Ft: 0 Lot: 0
Units: 0 Tract: 0
DAB Nbr: 0 Block: 0
Construction Type:

Description/Comments: REMOVAL OF UNDERGROUND STORAGE TANKS INCLUDING ELECTRICAL CABLING REMOVAL AND COMPACTION PER PLAN

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to

Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in

License # 586870 Lic. Clas A B HAZ Exp. Dat 1-31-14
City Lic.# 5-8834 Expires: 12-31-13

1/17/13 Date _____ Signature of Contractor

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation

WC Policy No WC003304410 Carrier Companion Insurance

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property

1/17/13 Date _____ Signature of Owner or Agent

Electrical
Misc: 0

Plumbing

Mechanical

Fees:

Issuance Fee	23.50
Building Fee:	5.80
Plan Review Fees:	0.00
Electrical Fee:	18.20
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	0 00
Investigation Fee	0 00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	0.00

TOTAL FEES:	$47.50
TOTAL PAYMENTS:	47.50
BALANCE DUE:	$0.00

Expired

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1300124

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2903
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final		

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final		

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES: _____

GENERAL NOTES

1. INFORMATION GIVEN ON THE DRAWINGS REGARDING EXISTING INSTALLATION HAS BEEN OBTAINED FROM THE BEST SOURCES AVAILABLE. HOWEVER IT CANNOT BE GUARANTEED IN ALL RESPECTS. VERIFY ALL SUCH INFORMATION BEFORE PROCEEDING WITH THE NEW WORK THAT MAY BE AFFECTED UPON. INCLUDE AS A PART OF THE CONTRACT ALL WORK THAT ARE REQUIRED TO PRODUCE INDICATED RESULT BEFORE SUBMITTING THE BID PROPOSAL.

2. THE SCOPE OF WORK SHALL INCLUDE THE FURNISHING OF ALL MATERIALS, EQUIPMENT, SUPPLIES AND LABOR AND THE PERFORMANCE OF ALL OPERATIONS NECESSARY FOR THE INSTALLATION OF ALL ELECTRICAL WORK, COMPLETE AND IN OPERATING CONDITION, ALL TO THE SATISFACTION OF ARCHITECT. THE ENTIRE INSTALLATION SHALL BE READY IN EVERY RESPECT FOR SATISFACTORY AND EFFICIENT OPERATION WHEN COMPLETED.

3. PROVIDE ALL MATERIALS AND EQUIPMENT TO MAKE FINAL CONNECTIONS TO ALL EQUIPMENT AND APPLIANCES.

4. NOTHING DESCRIBED HEREIN OR INDICATED ON THE DRAWINGS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE MOST STRINGENT OF THE APPLICABLE CODES AND REGULATIONS.

5. ALL WORK SHALL BE DONE IN FULL COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE, 2011 EDITION AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.

6. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND SHALL BE LISTED BY THE UNDERWRITER'S LABORATORIES, MANUFACTURED IN FULL COMPLIANCE WITH ASME, ANSI, IEEE AND NEMA.

7. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. SIZES, LOCATION OF EQUIPMENT, AND WIRING ARE SHOWN TO SCALE WHERE POSSIBLE, BUT MAY BE DISTORTED FOR CLARITY. FINAL LOCATIONS OF OUTLETS AND EQUIPMENT SHALL BE ADJUSTED AS DICTATED BY EXISTING CONDITIONS. IT IS NOT WITHIN THE SCOPE OF DRAWINGS TO SHOW ALL NECESSARY BENDS, OFFSETS, AND PULLBOXES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL HIS WORK TO CONFORM TO THE STRUCTURE. CONDUIT RUNS ARE INDICATED DIAGRAMMATICALLY, DETERMINE EXACT LOCATION IN THE FIELD.

8. DURING THE PROGRESS OF THE WORK, MAKE A CAREFUL RECORD OF ALL CHANGES BY WHICH THE ACTUAL INSTALLATION DIFFERS FROM THAT INDICATED ON THE CONTRACT DRAWINGS AND DOCUMENTS.

9. ELECTRICAL CONTRACTOR SHALL CONTACT THE SERVING UTILITY COMPANY REGARDING SERVICE REQUIREMENTS PRIOR TO HIS BID AND INCLUDE ALL RELATED WORK IN HIS BID PRICE.

10. ANY ERROR, OMISSION OR DESIGN DISCREPANCY ON THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT FOR CLARIFICATION OR CORRECTION PRIOR TO INSTALLATION.

11. REFER TO MECHANICAL CONSTRUCTION DOCUMENTS AND PROVIDE CONTROL WIRING AND DEVICES INDICATED THERETO TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

12. THE WORD "VERIFY LOCATION" ABBREVIATED AS "V.L." SHALL MEAN TO COORDINATE THE EXACT LOCATION OF THE DEVICE AND/OR EQUIPMENT BEING REFERRED TO WITH TENANT OR OWNER AND TO PROVIDE NECESSARY ADJUSTMENT WITHOUT ANY EXTRA COST TO THE OWNER.

13. CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP, EQUIPMENT AND MATERIALS FOR A PERIOD OF NOT LESS THAN ONE(1) YEAR FOR THE OWNER, SHOULD ANY DEFECTS OCCUR DURING THIS PERIOD, THE CONTRACTOR SHALL PROMPTLY REPAIR OR REPLACE THE DEFECTIVE ITEMS AT NO ADDITIONAL COSTSS TO THE OWNER, INCLUDING COST OF LABOR AND MATERIALS.

14. ARCHITECTURAL SPECIFICATIONS, GENERAL, SPECIAL AND SUPPLEMENTAL CONDITIONS SHALL FORM A PART OF THIS CONSTRUCTION DOCUMENT.

15. UPON COMPLETION OF THE WORK, CONDUCT AN OPERATING TEST AND DEMONSTRATE TO ARCHITECT THAT ALL EQUIPMENT ARE OPERATING IN A SATISFACTORY MANNER AND IN ACCORDANCE TO THE REQUIREMENTS OF DRAWINGS.

16. USE ELECTRICAL METALLIC TUBING FOR TRADE SIZES OF 3/4 TO 4 INCHES INCLUSIVE IN DRY LOCATIONS, USE RIGID METALLIC CONDUIT IN EXTERIOR INSTALLATION.

17. USE FLEXIBLE STEEL CONDUITS FOR SHORT CONNECTIONS TO MOTORS AND IN DRY LOCATIONS I.E. ABOVE ACCESSIBLE CEILING FOR LIGHTING AND CONVENIENT OUTLETS BRANCH CIRCUITING, AND IN STUD WALLS WHERE ALLOWED BY THE LOCAL CODE. USE LIQUID TIGHT FLEXIBLE CONDUITS IN AREAS EXPOSED TO WEATHER. PROVIDE INTEGRAL GROUNDING CONDUCTOR FOR LENGTHS EXCEEDING 6 FEET. FLEXIBLE CONDUITS FOR CONNECTION TO THE ROOF TOP AIR CONDITIONERS SHALL BE PROVIDED WITH INTEGRAL GROUND WIRE REGARDLESS OF THE LENGTH.

18. OUTLET AND JUNCTION BOXES SHALL BE GALVANIZED PRESSED STEEL WITH PLUGGED HOLES. ALL BOXES SHALL BE OF NEC CODE SIZE FOR THE NUMBER OF WIRES OR CONDUITS PASSING THROUGH OR TERMINATING THEREIN BUT IN NO CASE SHALL ANY BOX BE LESS THAN 4 INCHES SQUARE BY 2-1/8 INCHES DEEP. NO PLASTIC BOXES SHALL BE ALLOWED.

19. SINGLE CONDUCTOR COPPER WIRE WITH 600 VOLTS INSULATION SHALL BE USED FOR GENERAL WIRING IN CONDUIT UNLESS OTHERWISE SHOWN. WIRES SHALL BE ALLOWED ALL CONTACTS, GROUNDING AND NEUTRAL BUS BARS SHALL BE COPPER.

20. CONDUCTORS 8-AWG AND LARGER SHALL BE STRANDED TYPE. CONDUCTORS 10-AWG AND SMALLER SHALL BE SOLID WITH COLOR CCODED INSULATION.

21. PROVIDE CONDUCTORS TYPE THW OR THWN FOR DRY AND WET LOCATIONS AND THHN OR XHHW FOR DRY LOCATIONS ONLY.

22. NOT USED.

23. MINIMUM SIZE CONDUCTOR FOR USE IN LIGHTING AND POWER BRANCH CIRCUITS SHALL BE 12-AWG.

24. NO WIRE AMPACITY REDUCTION SHALL BE ALLOWED ON THE FEEDERS AND BRANCH CIRCUIT WIRING INCLUDING NEUTRALS UNLESS APPROVED BY ARCHITECT.

25. IDENTIFY CONDUCTORS AS TO PHASE OR LEG IN EACH PANEL BOARD WITH IDENTIFYING TAPE COLOR CODED PER FOLLOWING LIST:

VOLTAGE	208/120	480/277
A PHASE	BLACK	BROWN
B PHASE	RED	ORANGE
C PHASE	BLUE	YELLOW
NEUTRAL	WHITE	GRAY
GROUND	GREEN	GREEN

26. LABEL ALL CONDUIT, JUNCTION BOXES, PANELS AND TRANSFORMERS WITH THE VOLTAGE AND CIRCUIT NUMBER(S).

27. WIRES AND CONDUITS SIZES INDICATED THROUGHOUT THE DRAWINGS ARE BASED ON COPPER CONDUCTORS.

28. MINIMUM SIZE OF CONDUIT FOR POWER, LIGHTING, AND MECHANICAL EQUIPMENT SHALL BE 1/4" (1/2IN).

29. PROVIDE SPECIFICATION GRADE, HEAVY DUTY, AC RATED, QUIET LIGHT SWITCHES, 20A, AT 120V (AND 277V WHERE APPLICABLE), SINGLE POLE AND 3-WAY AS SHOWN ON THE DRAWINGS, COLOR SHALL BE WHITE.

30. PROVIDE MANUAL MOTOR STARTER WITH OVERLOAD ELEMENT FOR SMALL MOTORS WHERE INDICATED.

31. WIRING DEVICES SHALL BE SPECIFICATION GRADE MANUFACTURED BY LEVITON, A&H, HUBELL OR SQUARE D WITH A MINIMUM RATING OF 20 AMPS. USE BROWN, WHITE OR IVORY FOR NORMAL POWER AND RED FOR EMERGENCY POWER. USE ORANGE FOR INSULATED, GROUNDED CIRCUIT OR RECEPTACLE.

32. WHEN OUTLETS OF THE SAME OR DIFFERENT SYSTEMS ARE LOCATED IN THE SAME AREA, ARRANGE ALL OUTLETS AND DEVICES HORIZONTALLY OR VERTICALLY (AS REQUIRED) FOR A UNIFORM AND NEAT APPEARANCE. ALL WIRING DEVICES WITH THE SAME MOUNTING HEIGHT, WHERE INDICATED ON THE SAME WALL/PARTITION, SHALL BE INSTALLED WITH A COMMON MULTI-GANG WALL PLATE. VERIFY ALL MISSING MOUNTING HEIGHT WITH ARCHITECT.

33. SHOP DRAWING SUBMITTALS ARE REQUIRED FOR THE FOLLOWING MATERIAL/EQUIPMENT:

A - LIGHTING FIXTURES.
B - SPECIAL OR BUILT-TO-ORDER EQUIOMENT.
C - LARGE PULL BOXES.
D - NEW PANEL BOARDS AND CIRCUIT BREAKERS.

34. LIGHTING FIXTURES SHALL BE COMPLETE WITH ALL GLASSWARE, FITTERS, CANOPIES, SOCKETS, MOUNTING BRACKETS, REFLECTORS, LAMPS AND ALL ACCESSORIES AS REQUIRED.

35. FIXTURE SCHEDULE INDICATES GENERAL DESCRIPTION OF LIGHTING FIXTURES AND MANUFACTURER'S CATALOG NUMBERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO STUDY THE SCHEDULE AND CAREFULLY REVIEW ELECTRICAL AND ARCHITECTURAL PLANS AND SPECIFICATIONS TO DETERMINE THE CORRECT CEILING CONFIGURATION AND FIXTURES TO BE FURNISHED SO THAT BOTH CEILING SYSTEM AND LIGHT FIXTURE CONSTRUCTION MATCHES.

36. COORDINATE EXACT LOCATION OF THE LIGHTING FIXTURES WITH THE ARCHITECTURAL DRAWINGS. IF ANY DISCREPANCIES EXIST, THEY SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION.

37. LIGHTING FIXTURES FINISHES WHETHER OR NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED BY BUILDING OWNER.

38. ALL FLUORESCENT LAMP BALLASTS SHALL BE HIGH POWER FACTOR, "A" SOUND RATING AND SHALL BE ELECTRONIC TYPE WITH THD OF 10% MAXIMUM.

39. POWER DISTRIBUTION EQUIPMENT SHALL BE PRODUCTS OF THE SAME MANUFACTURER. ACCEPTABLE MANUFACTURERS SHALL BE SQUARE D CO. AND GENERAL ELECTRIC CO.

40. MANUALLY OPERATED ELECTRICAL EQUIPMENT SHALL REQUIRE 36" CLEAR AND UNOBSTRUCTED SPACE IN FRONT OF THE EQUIPMENT.

41. PROVIDE HEAVY DUTY AND HORSEPOWER RATED SAFETY DISCONNECT SWITCHES WITH THE TYPE OF FUSES AS SHOWN ON PLANS.

42. ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT SHALL BE WEATHERPROOF TYPE.

43. PROVIDE GROUNDING SYSTEM PER NEC-250 AND AS INDICATED.

44. ALL METAL AND NON-CURRENT CARRYING PART OF THE ELECTRICAL EQUIPMENT SHALL BE BONDED TO GROUND PER NEC CODE ARTICLE 250.

45. PROVIDE A TYPE-WRITTEN INDEX CARD FOR EACH PANEL BOARD INDICATING NAME OR NUMBER OF THE ROOM, AREA, OR EQUIPMENT USED BY EACH BRANCH CIRCUIT. USE ROOM NUMBERS AND NAMES VERIFIED IN THE FIELD AND NOT NECESSARILY THOSE SHOWN ON THE DRAWINGS.

46. PROVIDE FIREPROOFING FOR RECESS MOUNTED FIXTURES. RECEPTACLES, AND CONDUIT IN FIRE RATED AREAS. SEE ARCHITECTURAL PLANS FOR DETAIL AND LOCATION.

47. NO SHUTDOWN WILL BE AUTHORIZED WITHOUT 24-HOUR NOTIFICATION.

48. TEMPORARY MATERIALS MUST BE REMOVED WITHOUT SHUTDOWN AS CONSTRUCTION PROGRESSES.

49. RESTORE PERMANENT FACILITIES TO THEIR FORMER OR NEWLY SPECIFIED CONDITION.

50. NO WORK/MAINTENACE CAN BE PERFORMED ON ELECTRICAL EQUIPMENT WHILE IT IS ENERGIZED.

51.AT OWNER REQUEST ARC FLASH AND COORDINATION SHALL BE PROVIDED BY A THIRD PARTY.

52. ALL FEEDERS CONDUCTORS, SWITCHBOARD AND PANELS ARE DESIGNED USING COPPER CONDUCTORS AND BUS. E.C. SHALL PROVIDE AN ALTERNATE BID WITH ALUMINUM MATERIAL IF REQUESTED BY OWNER.

53.MINIMUM TESTING IS REQUIRED BY E.C TO WHIC SURE:

- THE CONTINUITY OF THE CIRCUITS
- RESISTINT TEST FOR GROUNDING AT NEW SWITCHBOARDS,PANELBOARDS AND CONTROL PANEL
- TEST FOR PROPER VOLTAGE AT TRANSFORMER, SWITCHBOARD & CONTROL PANEL
- PROVIDE THE MEGGER TESTING ON ALL THE FEEDER TO VERIFY THE CONDITION OF ELECTRICAL INSULATION.

ABBREVIATIONS

#	NUMBER	L.C.L.	LONG CONTINUOUS LOAD
3W	THREE-WIRE SYSTEM	LTG.	LIGHTING
4W	FOUR-WIRE SYSTEM	LV	LOW VOLTAGE
5/S	J-BOX 4-11/16" SQUARED BY 2-1/8" DEEP	M.C.C.	MOTOR CONTROL CENTER
A/C	AIR CONDITIONING	M.C.S.	MOTOR CONTROL SWITCHBOARD
A/C	AMPERE	M.G.	MOTOR GENERATOR
AFF	ABOVE FINISHED FLOOR	M.H.	MANHOLE
BKB'D	BACKBOARD	MAX.	MAXIMUM
BLD'G	BUILDING	MCM	THOUSAND CIRCULAR MILLS
BRK'R	BREAKER	MFR.	MANUFACTURER
C.O.	CONDUIT ONLY WITH PULL WIRE	MIN.	MINIMUM
C	CONDUIT	MTD.	MOUNTED
C/B	CIRCUIT BREAKER	MTG.	MOUNTING
CAB.	CABINET	N.E.C.	NATIONAL ELECTRICAL CODE
C.E.C.	CALIFORNIA ELECTRICAL CODE	N.E.M.A.	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CKT.	CIRCUIT	N.F.	NON FUSED
CL	CENTERLINE	N.I.C.	NOT IN CONTRACT
CLG.	CEILING	N.I.T.S.	NOT IN THIS SECTION
CONC.	CONCRETE	N.L.	NIGHT LIGHT
CU	COPPER CONDUCTOR	N.T.S.	NOT TO SCALE
DET.	DETAIL	N/C	NORMALLY CLOSED
DISC.	DISCONNECT	N/O	NORMALLY OPEN
DN.	DOWN	NO.	NUMBER
DPDT.	DOUBLE-POLE, DOUBLE-THROW	O	PHASE
DWG.	DRAWING	O.C.	ON CENTER
E.C.	ELECTRICAL CONTRACTOR	P.B.	PULL BOX
E.D.F.	ELECTRICAL DRINKING FOUNTAIN	P.B.	POLE
E.G.	ENGINE GENERATOR	P.P.	POWER POLE
E.P.	EXPLOSION PROOF	P/L	PROPERTY LINE
EA.	EACH	PNL.	PANEL
ELECT.	ELECTRICAL	PVC	POLYVINYL CHLORIDE
EMERG. OR EM	EMERGENCY	PWR.	POWER
EQUIP.	EQUIPMENT	REQ'D	REQUIRED
EXIST.	EXISTING	REQM'T	REQUIREMENT
EXT.	EXTERIOR	RM.	ROOM
F	FUSE	S/N	SOLID NEUTRAL
F.A.	FIRE ALARM	SHT.	SHEET
FIN. FL.	FINISH FLOOR	SPDT.	SINGLE-POLE, DOUBLE-THROW
FIN. GR.	FINISH GRADE	SPEC.	SPECIFICATION
FLUOR.	FLUORESCENT	SPST.	SINGLE-POLE, SINGLE-THROW
GEN.	GENERATOR	SURF.	SURFACE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SW.	SWITCH
GND.	GROUND	SWB'D	SWITCHBOARD
H.O.A.	HAND-OFF-AUTOMATIC	T.	TRIP RATING
H.V.	HIGH VOLTAGE	T.C.	TIME CLOCK
HP	HORSE POWER	TE	TIME CONTROLLED BY EARLY LIGHTING CIRCUIT
HT.	HEIGHT	TEL.	TELEPHONE
I.C.	RMS. SYM. INTERRUPTING CAPACITY RATING	TERM.	TERMINAL
I.G.	ISOLATED GROUND	TN	TIME CONTROLLED BY LATE LIGHTING CIRCUIT
INCAND.	INCANDESCENT	TYP.	TYPICAL
ISC	SHORT CIRCUIT CURRENT AVAILABLE IN RMS SYMMETRICAL AMPERES	U.G.	UNDERGROUND
		V	VOLT
J	JUNCTION BOX	V.L.	VERIFY LOCATION
KVA	KILOVOLT-AMPERE	W.P.	WETHERPROOF
KW	KILOWATT	W	WATT

SYMBOL LIST

— T —	TELEPHONE CONDUIT 3/4" C. UNLESS NOTED
——▶	CONDUIT CONCEALED IN WALL OR CEILING UNLESS NOTED
——	CONDUIT RUN CONCEALED BELOW GRADE OR IN SLAB
——	2 NO. 12-1/2" CONDUIT UNLESS OTHERWISE NOTED
////	3 NO. 12-1/2" CONDUIT
////	4 NO. 12-3/4" CONDUIT
////	5 NO. 12-3/4" CONDUIT
W.P	WEATHER TYPE
V.L.	VERIFY LOCATION
U.N.O	UNLESS NOTED OTHERWISE
////	6 NO. 12-1" CONDUIT
G	CONDUIT WITH GROUND WIRE
C.O	CONDUIT ONLY
⏚	GROUND
○	CONDUIT UP
●	CONDUIT DOWN
6 ◯ a	INCANDESCENT LIGHT FIXTURE AND OUTLET, SURFACE 6= CIRC. NO. a= SWITCH DESIGNATION
▰	FLUORESCENT LIGHT FIXTURE NIGHT LIGHT.
□	INCANDESCENT RECESSED, LIGHT FIXTURE AND OUTLET
⊢○⊣	STRIP FLUORESCENT FIXTURE.
▭	FLUORESCENT LIGHT FIXTURE WITH OUTLET BOX.R/S
◓	EXIT LIGHT WITH SELF-CONTAINED BATTERY PACK.
S	SINGLE POLE TOGGLE SWITCH +4' UNLESS NOTED.
S a,b	SINGLE POLE SW. SUBSCRIPT INDICATES OUTLETS CONTR'LED PROVIDE SEPARATE SW. FOR EACH IN GANG ASSEMBLY
S^2	TWO POLE SWITCH +4'- UNLESS NOTED
S^3	THREE WAY SWITCH+4'- UNLESS NOTED
S^4	FOUR WAY SWITCH +4'- UNLESS NOTED
S^K	INDICATES KEY OPERATION +4'- UNLESS NOTED
S^D	INDICATES DIMMER
S^m	OCCUPANCY SENSOR WITH MANUAL ON/AUTO OFF
S^M	INDICATES MOTOR RATED
⊖	SHOW WINDOW OUTLET
⊕	110V QUAD OUTLET @18" UNLESS NOTED OTHERWISE
⊖	DUPLEX CONVENIENCE OUTLET +18" U.N.O.
⊙	FLOOR RECEPTACLE FLUSH WITH THE FLOOR
GFI	DUPLEX CONVENIENCE OUTLET, GROUND FAULT INTERRUPTER TYPE
J	JUNCTION BOX
	DUPLEX COUNTERTOP OUTLET, GROUND FAULT INTERRUPTER TYPE
CR	CONTROL RECEPTACLE
◁	DATA OUTLET
◀	TELEPHONE OUTLET @18" RUN 3/4" C.O. TO TELEPHONE BOARD
◀	COMBINATION DATA/TELEPHONE OUTLET
M	MOTOR OUTLET
C	COMPUTER LOCATION. ALL CIRCUITS & PRINTERS CONNECT HERE.
P	COMPUTER PRINTER LOCATION
D	COMPUTER TERMINAL-OUTLET
	SPECIAL POWER, 240V 30AMPS OR AS INDICATED
	LIGHT FIXTURE TYPE A 150 WATTS-SEE FIXTURE SCHEDULE
	PANELBOARD.
	SWITCHBOARD
	TELEPHONE TERMINAL CABINET
M	COMBINATION MOTOR STARTER/VFD WITH DISCONNECT (FUSE OR C/B)
N	DISCONNECT SW. UNFUSED UNLESS NOTED
	DEDICATED DUPLEX RECEPTACLE 20 AMP.
	EMERGENCY , LIGHTING UNIT , TWIN HEAD
	CIRCUIT BREAKER
	SWITCH AND FUSES IN SWITCHBOARD
M	METER SOCKET AND CURRENT XFMR
S	SPEAKER
SD	COMBO SMOKE DETECTOR/CARBON MONOXIDE, 90 MIN. BATTERY BACK-UP WIRED TO UN-SWITCH BRANCH CIRCUIT. ALL SMOKE DETECTORS WITHIN THE UNIT SPACE SHALL BE INTERCONNECTED TO ACTIVATE ALL SMOKE DETECTOR IN THAT UNIT IF ONE SMOKE DETECTOR DETECTS SMOKE/FIRE.
OS	CEILING MOUNTED SENSOR
OS	WALL MOUNTED SENSOR
DMS	DIGITAL WALL MOUNTED SENSOR
DS	DIMMER SWITCH
DS	DIGITAL DIMMER SWITCH

LEGEND

(E) EXISTING EQUIPMENT TO REMAIN.
(ER) EXISTING DISTRIBUTION/PANEL TO BE RELOCATED TO SHOWN LOCATION.
(E.C) ELECTRICAL CONTRACTOR
(G.C) GENERAL CONTRACTOR
(R.C) REFRIGERATION CONTRACTOR
(VL) VERIFY LOCATIONS

THESE CONSTRUCTION DOCUMENTS WERE PREPARED BASED ON AVAILABLE RECORD DRAWINGS, CONTRACTOR MUST VISIT THE SITE PRIOR TO SUBMITTING BID, FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITION AND INTENT OF THE DESIGN, AND INCLUDE ALL NECESSARY EQUIPMENT / ASSOCIATED LABOR ACCORDINGLY. BY SUBMITTING THE BID IT IS UNDERSTOOD THAT THE CONTRACTOR HAS REVIEWED THE DOCUMENTS, UNDERSTANDS THE INTENT AND HAS INCLUDED ALL SITE CONSTRAINTS IN THEIR BID ACCORDINGLY.

INDEX OF DRAWINGS

SHT.#	DESCRIPTION
E-1	TITLE SHEET
E-2	SITE PLAN
E-3	LIGHTING PLAN

PLANNING DEPARTMENT APPROVED
SUBJECT TO CONDITIONS
Reviewed By: Date:

APPLICABLE CODE

-2013 CBC/2012 IBC
-2013 CRC/2012 IRC
-2013 CEC/2011 NEC
-2013 CMC/2012 UMC
-2013 CPC/2012 UPC
-2013 GREEN BUILDING STANDARDS(CAL GREEN)
-2013 CALIFORNIA ENERGY CODE

KEY NOTE

AIRPORT NOISE IMPACT ZONE (PART 150): YES
BASIC WIND SPEED: V asd = 85 MPH (CRC) OR
V ult = 110 MPH (CBC), EXPOSURE C.

SCOPE OF WORK

ADD ONE LIGHT POLE WITH CONCRETE POST TO EXISTING AIRPORT FIELD ROAD.

1

City of Ontario approved this Mylar based on the assumption that it depicts the approved plan in every detail and no changes have been made during construction. Any revisions must be approved by the City Engineer.
BY: Date:

REGISTERED PROFESSIONAL ENGINEER — CHERIF M. GAD — No. 11569 — Exp. 9-30-16 — ELECTRICAL — Cherif Gad

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KAMAL S. ISKANDER & ASSOCIATES, INC.
CONSULTING ENGINEERS
MECHANICAL—PLUMBING—ELECTRICAL
20101 E. VALLEY BLVD., SUITE #E, WALNUT, CA 91789
TEL (909) 869-6337 FAX (909) 869-6340

BENCHMARK:
CITY OF ONTARIO BENCHMARK NO. "1278"
LOCATION: MISSION BOULEVARD AND TURNER AVENUE. NAIL AND WASHER IN NORTHWEST CORNER BRIDGE WINGWALL ON MISSION BOULEVARD.
ELEVATION = 857.995' (NGVD '29 / GOOD AS OF 6/12/2000)

REV.	DESCRIPTION	DATE	APPR'D.
1	CITY PLAN CHECK COMMENT	6-11-15	

PLANS PREPARED UNDER THE SUPERVISION OF:
REINHARD STENZEL — DATE
R.C.E. 56155 – EXP. 12/31/14

ENGINEER:
Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

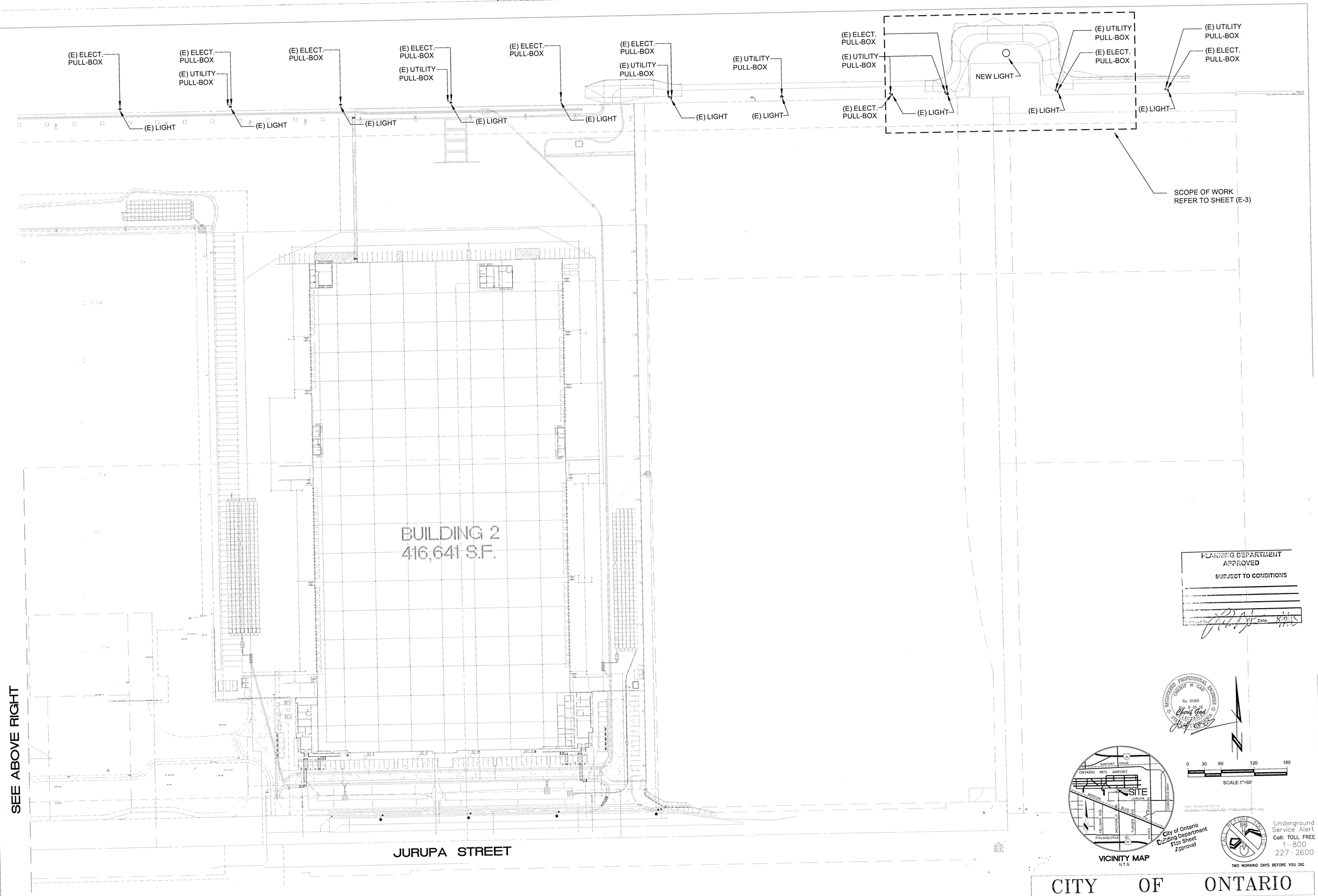
OWNER/DEVELOPER:
UNITED PARCEL SERVICE
25201 PASEO DE ALICIA, SUITE 200
LAGUNA HILLS, CA 92653
PHONE: (949) 331-0930

CITY OF ONTARIO

NEW ADDED LIGHT POLE
FOR
TUG ROAD IMPROVEMENTS
ONTARIO INTERNATIONAL AIRPORT
ONTARIO CALIFORNIA

SHEET E-1 OF

DATE: 03-16-2015



PLANNING DEPARTMENT
APPROVED
SUBJECT TO CONDITIONS

Approved By: _____ Date: 8/11/15

VICINITY MAP
N.T.S.

City of Ontario
Building Department
Plan Sheet
Approval

Last Update 4/29/14
K:\JOBS\2015\2015-03\PLANS\CITY\ONT01.dwg

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PH.(714)521-4811 FAX(714)521-4173

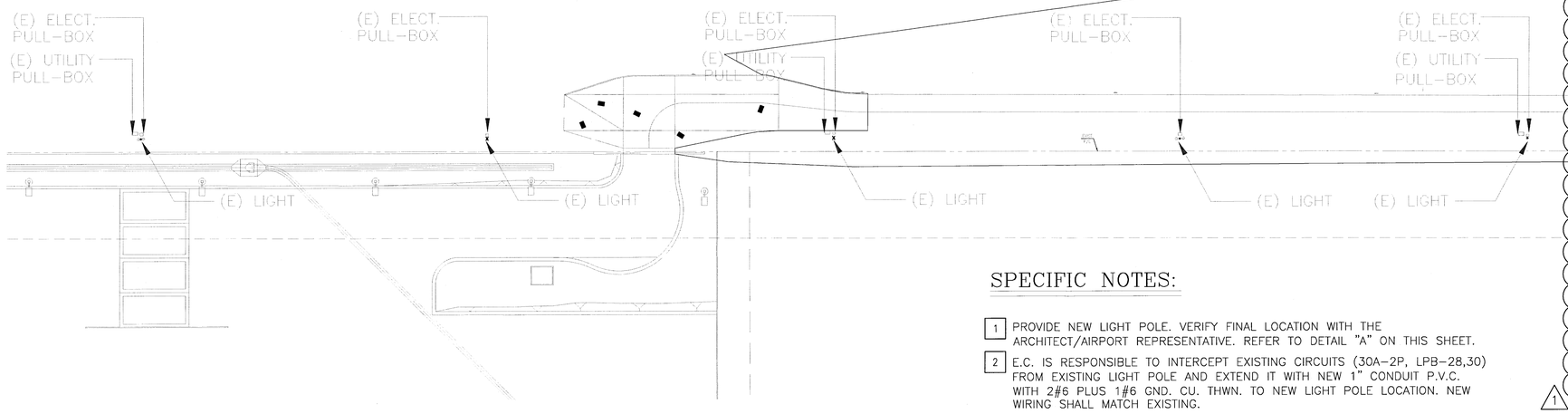
OWNER/DEVELOPER:
UNITED PARCEL SERVICE
25201 PASEO DE ALICIA, SUITE 200
LAGUNA HILLS, CA 92653
PHONE: (949) 331-0930

CITY OF ONTARIO

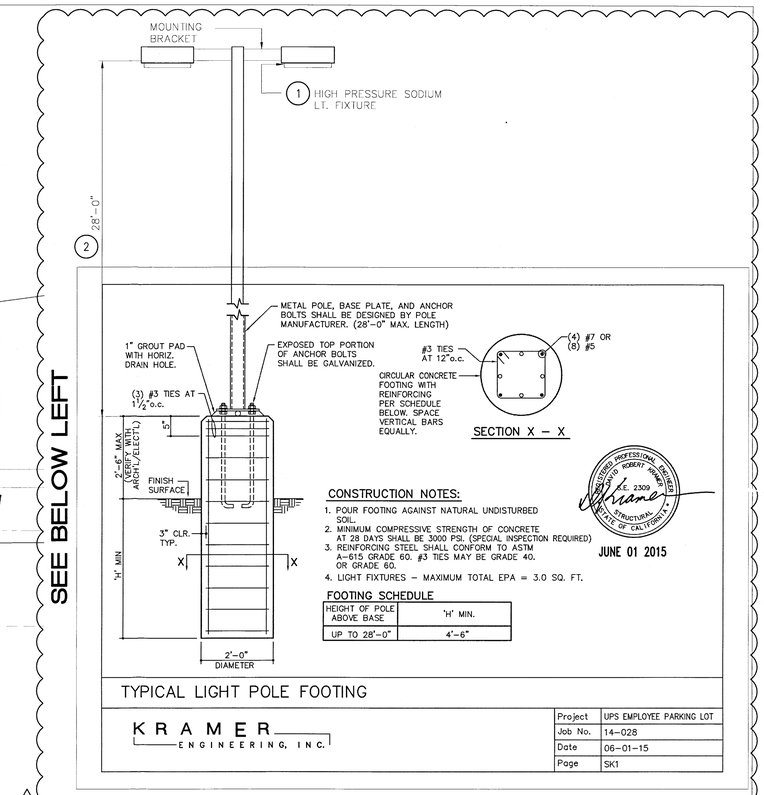
NEW ADDED LIGHT POLE
FOR
TUG ROAD IMPROVEMENTS
ONTARIO INTERNATIONAL AIRPORT
ONTARIO CALIFORNIA

SHEET E-2 OF

DATE: 03-16-2015



SEE BELOW LEFT



TYPICAL LIGHT POLE FOOTING

KRAMER ENGINEERING, INC.

Project	UPS EMPLOYEE PARKING LOT
Job No.	14-028
Date	06-01-15
Page	SK1

1

SPECIFIC NOTES:

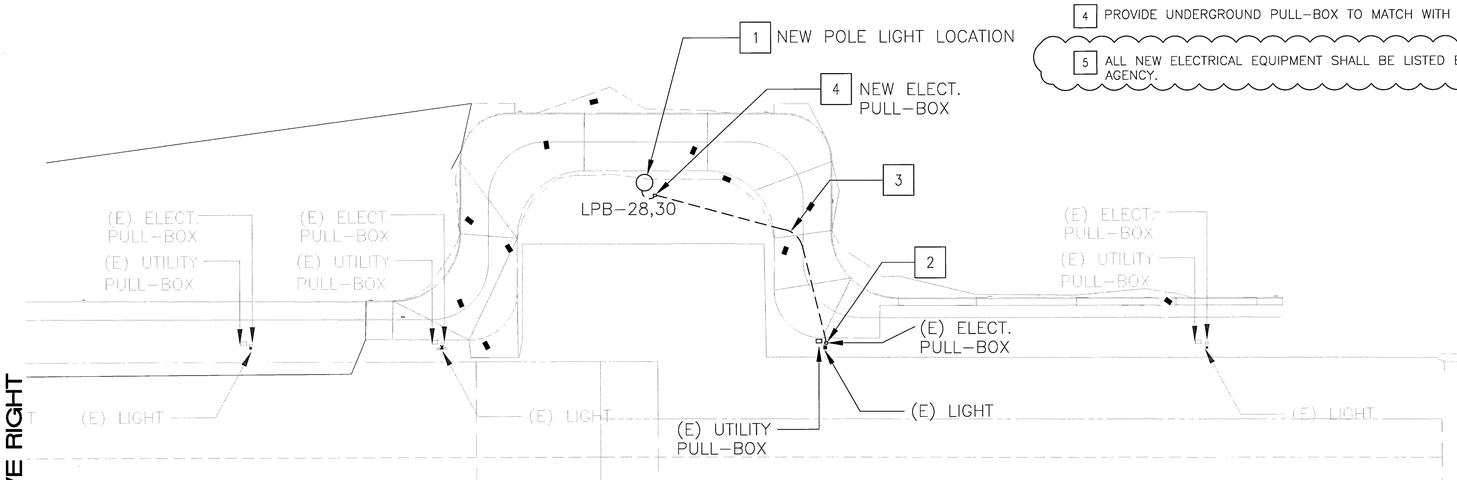
1. PROVIDE NEW LIGHT POLE. VERIFY FINAL LOCATION WITH THE ARCHITECT/AIRPORT REPRESENTATIVE. REFER TO DETAIL "A" ON THIS SHEET.
2. E.C. IS RESPONSIBLE TO INTERCEPT EXISTING CIRCUITS (30A-2P, LPB-28,30) FROM EXISTING LIGHT POLE AND EXTEND IT WITH NEW 1" CONDUIT P.V.C. WITH 2#6 PLUS 1#6 GND. CU. THWN. TO NEW LIGHT POLE LOCATION. NEW WIRING SHALL MATCH EXISTING.
3. CONDUIT SHALL BE BURIED 30" BELOW THE GRADE FOR APPROXIMATELY 120'
4. PROVIDE UNDERGROUND PULL-BOX TO MATCH WITH EXISTING.
5. ALL NEW ELECTRICAL EQUIPMENT SHALL BE LISTED BY A RECOGNIZED TESTING AGENCY.

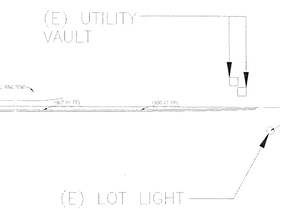
1

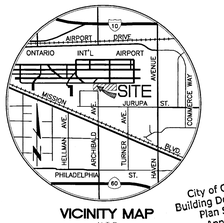
SPECIFIC NOTES FOR LIGHT FIXTURE:

1. PROVIDE NEW 400W HIGH PRESSURE SODIUM, 480V LIGHT FIXTURE. E.C. IS RESPONSIBLE TO MAKE SURE TYPE, WATTAGE, AND VOLTAGE OF THE NEW FIXTURE MATCHES EXISTING.
2. PROVIDE 28'-0" OF LIGHT POLE TO BE MOUNTED ON 30" WITH 2'-0" DIAMETER CONCRETE BASE A.F.F.. TOTAL LENGTH FROM GROUND TO BOTTOM OF THE LIGHT SHALL NOT EXCEED 30'-6". E.C. IS RESPONSIBLE TO MAKE SURE THE HEIGHT OF THE NEW LIGHT FIXTURE INCLUDING THE CONCRETE BASE MATCHES EXISTING FIXTURES WITHIN THE AREA.

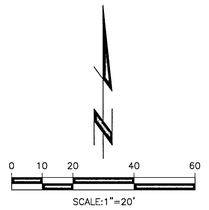
SEE ABOVE RIGHT







VICINITY MAP N.T.S.



REGISTERED PROFESSIONAL ENGINEER CHERIF M. GAD No. 11569 Exp. 9-30-16 CIVIL STATE OF CALIFORNIA

City of Ontario Building Department Plan Sheet Approval

Underground Service Alert Call: TOLL FREE 1-800 227-2600 TWO WORKING DAYS BEFORE YOU DIG

CITY OF ONTARIO

NEW ADDED LIGHT POLE
FOR
TUG ROAD IMPROVEMENTS
ONTARIO INTERNATIONAL AIRPORT
ONTARIO CALIFORNIA

SHEET E-3 OF

DATE: 03-16-2015

REGISTERED PROFESSIONAL ENGINEER CHERIF M. GAD No. 11569 Exp. 9-30-16 CIVIL STATE OF CALIFORNIA

KAMAL S. ISKANDER & ASSOCIATES, INC.
CONSULTING ENGINEERS
MECHANICAL-PLUMBING-ELECTRICAL
20101 E. VALLEY BLVD., SUITE #E, WALNUT, CA 91789
TEL. (909) 869-6337 FAX (909) 869-6340

BENCHMARK:
CITY OF ONTARIO BENCHMARK NO. "1278"
LOCATION: MISSION BOULEVARD AND TURNER AVENUE, NAIL AND WASHER IN NORTHWEST CORNER BRIDGE WINGWALL ON MISSION BOULEVARD.
ELEVATION = 857.995' (NGVD '29 / GOOD AS OF 6/12/2000)

REV.	DESCRIPTION	DATE	APPR'D.
1	CITY PLAN CHECK COMMENT	6-11-15	

PLANS PREPARED UNDER THE SUPERVISION OF:
REINHARD STENZEL R.C.E. 56155 – EXP. 12/31/14 DATE

ENGINEER:
Thienes Engineering, Inc.
CIVIL ENGINEERING · LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

OWNER/DEVELOPER:
UNITED PARCEL SERVICE
25201 PASEO DE ALICIA, SUITE 200
LAGUNA HILLS, CA 92653
PHONE: (949) 331-0930

Comment: Comments from previous plan checks were still not addressed on this plan. Manufacturer's specs attached does not addressed sizing of anchor bolt, EFA and etc. Note that these were not addressed by the E.O.R. who did the foundation design.

BUILDING DEPARTMENT

303 East B Street,
Civic Ontario, CA 91764

CITY OF ONTARIO

Phone (909)395-2023,
Fax (909)395-2180

(✓) Submittal No. 3&4 ( ) Revision No. ___

Date: 7/16/15 (7/28/15)

Address: 1923 E. Avon St.

Scope of Work: Install lot light for UPS TUG Rel.

Plans routed to: ( ) Planning ( ) Engineering ( ) Fire ( ) Police ( ) Landscape ( ) Public Works

Building Department plan check corrections are:
(✓) marked on / ( ) attached to this plan.

Return **ALL** previously reviewed plans, calculations/reports at each resubmittal.

Resubmit (2) new sets of plans and/or ( ) new calculations/reports for Building Department use.
(Please follow up with other reviewing departments directly).

Write your response next to each correction item on this marked plan or correction list. Only resubmittals with responses will be accepted.

Additional plan check fee is required: after second review for grading plans, and after the third review for all other plans on an hourly basis.

Revisions and deferred submittals will be assessed on an hourly basis.

Plans reviewed by:	KJW
Completed on: ~~7/27/15~~	7/29/15

Plan Check Number: B20 150423

Address: 1923 E AVION ST, ONTARIO, CA 91761 Permit No. **B201604485** City of Ontario Building Department

OWNER:
LLC GUARDIAN AIR SERVICES
1809 Excise Ave., Ste. 208
Ontario, Ca 91761

CONTRACTOR
Volt Edge Services
509 W Locust St
Ontario, Ca 91762
Phone : (951)903-3172
Lic. # 540858 C10, C7, B, A, C20

CONTACT
,
Phone :
Cell Phone:

Date: 12/20/2016 Valuation 25,000.00
Total Sq Ft: APN: 11326106
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:
Other Miscellaneous

Description/Comments: ADD ADA RAMP TO FACILITY

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date Signature of Owner

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 540858 Lic. Class _____ Exp. Date 9-30-18
City Lic. # 65939 Expires: 12-31-16
12-20-16 Signature of Contractor
Date

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
( ) I have and will maintain Worker's Compensation Insurance

WC Policy No. None Listed 1948569 Carrier STATE FUND

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

12-20-16 Signature of Owner or Agent
Date

Electrical Plumbing Mechanical

Expired

Fees:

Issuance Fee	23.50
Building Fee:	414.75
Plan Review Fees:	289.50
Electrical Fee:	0.00
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	7.00
Investigation Fee	0.00
Microfilm Fee	0.00
Copies Fee:	0.00
SB1473 Fee:	1.00
TOTAL FEES:	$762.58
TOTAL PAYMENTS:	$762.58
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1600485

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer	1/11/2017	Eric
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final		

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final		

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
AREA DRAIN PIPE OK	01/04/17	WARMAN
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES: 1.08.20 Permit Expired due to lack of Activity - MM

Rev. 2/2012

Address: 1923 E AVION ST, ONTARIO, CA 91761 Permit No. **B201604485** City of Ontario Building Department

OWNER:
LLC GUARDIAN AIR SERVICES
1809 Excise Ave., Ste. 208
Ontario, Ca 91761

CONTRACTOR
Volt Edge Services
509 W Locust St
Ontario, Ca 91762
Phone : (951)903-3172
Lic. # 540858 C10, C7, B, A, C20

CONTACT
,
Phone :
Cell Phone:

Date: 12/20/2016 Valuation 25,000.00
Total Sq Ft: APN: 11326106
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:
Other Miscellaneous

Description/Comments: ADD ADA RAMP TO FACILITY

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

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Date Signature of Owner

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License # 540858 Lic. Class _____ Exp. Date 9-30-18
City Lic. # 65939 Expires: 12-31-16
12-20-16 Signature of Contractor
Date

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( ) I have and will maintain Worker's Compensation Insurance

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12-20-16 Signature of Owner or Agent
Date

Electrical Plumbing Mechanical

Expired

Fees:

Issuance Fee	23.50
Building Fee:	414.75
Plan Review Fees:	289.50
Electrical Fee:	0.00
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	7.00
Investigation Fee	0.00
Microfilm Fee	0.00
Copies Fee:	0.00
SB1473 Fee:	1.00
TOTAL FEES:	$762.58
TOTAL PAYMENTS:	$762.58
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1600485

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

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OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer	1/11/2017	Eric
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final		

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final		

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
AREA DRAIN PIPE OK	01/04/17	WARMAN
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES: 1.08.20 Permit Expired due to lack of Activity - MM

Rev. 2/2012

Address: 1923 E AVION ST, BLDG# 2, ONTARIO, CA 91761 Permit No. **B201700026** City of Ontario Building Department

OWNER:
ONTARIO INTERNATIONAL AIRPORT AUTHOR
303 E B St
Ontario 91764

CONTRACTOR
Volt Edge Services
509 W Locust St
Ontario, Ca 91762
Phone : (951)903-3172
Lic. # 540858 C10, C7, B, A, C20

CONTACT
,
Phone : (951)903-3172
Cell Phone:

Date: 1/3/2017 Valuation 0.00
Total Sq Ft: APN: 104916101
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:

Description/Comments: INSTALL ELECTRIC OUTLETS AND SWITCHES, AND MOTION DETECTORS AT EXISTING CONFERENCE ROOMS #125, 126.

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

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Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 540858 Lic. Class A-B-C10-C7-C20 Exp. Date 9-18
City Lic. # 65939 Expires: 12-31-16
1-3-17 Date _____ Signature of Contractor _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
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1-3-17 Date _____ Signature of Owner or Agent _____

Electrical	Plumbing	Mechanical
Light Fixtures: 24		
Outlet Switch: 15		

Expired

Fees:

Issuance Fee	23.50
Building Fee:	0.00
Plan Review Fees:	0.00
Electrical Fee:	41.42
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	0.00
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	0.00
TOTAL FEES:	$64.92
TOTAL PAYMENTS:	$64.92
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1700026

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

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Other Department Approvals that may be required prior to the building being released by the City.			
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CMU Pre-Grout		
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Framing & Flashing		
Insulation		
Drywall Nailing		
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Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
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Roof Drains		
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Rough Mechanical T-Bar		
Rough Process Piping		
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Hoods/Booths		
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Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES: 1-08-20 Permit Expired due to lack of activity - MA

Rev. 2/2012

Address: 1923 E AVION ST, BLDG# 2, ONTARIO, CA 91761 Permit No. **B201700026** City of Ontario Building Department

OWNER:
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Ontario 91764

CONTRACTOR
Volt Edge Services
509 W Locust St
Ontario, Ca 91762
Phone : (951)903-3172
Lic. # 540858 C10, C7, B, A, C20

CONTACT
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Phone : (951)903-3172
Cell Phone:

Date: 1/3/2017 Valuation 0.00
Total Sq Ft: APN: 104916101
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:

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Light Fixtures: 24		
Outlet Switch: 15		

Expired

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Plan Review Fees:	0.00
Electrical Fee:	41.42
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	0.00
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	0.00
TOTAL FEES:	$64.92
TOTAL PAYMENTS:	$64.92
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1700026

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Main Line 909-395-2023/Inspectors 909-395-2362

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Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com --- New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final		

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final		

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES: 1-08-20 Permit Expired due to lack of activity - MA

Rev. 2/2012

Address: 1923 E AVION ST, BLDG# 2, ONTARIO, CA 91761 Permit No. **B201700026** City of Ontario Building Department

OWNER:
ONTARIO INTERNATIONAL AIRPORT AUTHOR
303 E B St
Ontario 91764

CONTRACTOR
Volt Edge Services
509 W Locust St
Ontario, Ca 91762
Phone : (951)903-3172
Lic. # 540858 C10, C7, B, A, C20

CONTACT
,
Phone : (951)903-3172
Cell Phone:

Date: 1/3/2017 Valuation 0.00
Total Sq Ft: APN: 104916101
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:

Description/Comments: INSTALL ELECTRIC OUTLETS AND SWITCHES, AND MOTION DETECTORS AT EXISTING CONFERENCE ROOMS #125, 126.

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 540858 Lic. Class A-B-C10-C7-C20 Exp. Date 9-18
City Lic. # 65939 Expires: 12-31-16
1-3-17 Date _____ Signature of Contractor _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
( ) I have and will maintain Worker's Compensation Insurance

WC Policy No. None Listed 1948569 Carrier STATE FUND

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

1-3-17 Date _____ Signature of Owner or Agent _____

Electrical	Plumbing	Mechanical
Light Fixtures: 24		
Outlet Switch: 15		

Expired

Fees:

Issuance Fee	23.50
Building Fee:	0.00
Plan Review Fees:	0.00
Electrical Fee:	41.42
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	0.00
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	0.00
TOTAL FEES:	$64.92
TOTAL PAYMENTS:	$64.92
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1700026

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com --- New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final		

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final		

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES: 1-08-20 Permit Expired due to lack of activity - MA

Rev. 2/2012

Address: 1923 E AVION ST, BLDG# 2, ONTARIO, CA 91761 Permit No. **B201700026** City of Ontario Building Department

OWNER:
ONTARIO INTERNATIONAL AIRPORT AUTHOR
303 E B St
Ontario 91764

CONTRACTOR
Volt Edge Services
509 W Locust St
Ontario, Ca 91762
Phone : (951)903-3172
Lic. # 540858 C10, C7, B, A, C20

CONTACT
,
Phone : (951)903-3172
Cell Phone:

Date: 1/3/2017 Valuation 0.00
Total Sq Ft: APN: 104916101
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:

Description/Comments: INSTALL ELECTRIC OUTLETS AND SWITCHES, AND MOTION DETECTORS AT EXISTING CONFERENCE ROOMS #125, 126.

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 540858 Lic. Class A-B-C10-C7-C20 Exp. Date 9-18
City Lic. # 65939 Expires: 12-31-16
1-3-17 Date _____ Signature of Contractor _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
( ) I have and will maintain Worker's Compensation Insurance

WC Policy No. None Listed 1948569 Carrier STATE FUND

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

1-3-17 Date _____ Signature of Owner or Agent _____

Electrical	Plumbing	Mechanical
Light Fixtures: 24		
Outlet Switch: 15		

Expired

Fees:

Issuance Fee	23.50
Building Fee:	0.00
Plan Review Fees:	0.00
Electrical Fee:	41.42
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	0.00
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	0.00
TOTAL FEES:	$64.92
TOTAL PAYMENTS:	$64.92
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1700026

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com --- New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final		

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final		

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES: 1-08-20 Permit Expired due to lack of activity - MA

Rev. 2/2012

Address: 1923 E AVION ST, BLDG# 2, ONTARIO, CA 91761 Permit No. **B201700026** City of Ontario Building Department

OWNER:
ONTARIO INTERNATIONAL AIRPORT AUTHOR
303 E B St
Ontario 91764

CONTRACTOR
Volt Edge Services
509 W Locust St
Ontario, Ca 91762
Phone : (951)903-3172
Lic. # 540858 C10, C7, B, A, C20

CONTACT
,
Phone : (951)903-3172
Cell Phone:

Date: 1/3/2017 Valuation 0.00
Total Sq Ft: APN: 104916101
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:

Description/Comments: INSTALL ELECTRIC OUTLETS AND SWITCHES, AND MOTION DETECTORS AT EXISTING CONFERENCE ROOMS #125, 126.

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 540858 Lic. Class A-B-C10-C7-C20 Exp. Date 9-18
City Lic. # 65939 Expires: 12-31-16
1-3-17 Date _____ Signature of Contractor _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
( ) I have and will maintain Worker's Compensation Insurance

WC Policy No. None Listed 1948569 Carrier STATE FUND

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

1-3-17 Date _____ Signature of Owner or Agent _____

Electrical	Plumbing	Mechanical
Light Fixtures: 24		
Outlet Switch: 15		

Expired

Fees:

Issuance Fee	23.50
Building Fee:	0.00
Plan Review Fees:	0.00
Electrical Fee:	41.42
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	0.00
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	0.00
TOTAL FEES:	$64.92
TOTAL PAYMENTS:	$64.92
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1700026

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com --- New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final		

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final		

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES: 1-08-20 Permit Expired due to lack of activity - MA

Rev. 2/2012

Address: 1923 E AVION ST, ONTARIO, CA 91761 Permit No. **B201700165** City of Ontario Building Department

OWNER:
ONTARIO INTERNATIONAL AIRPORT AUTHOR
303 E B St
Ontario 91764

CONTRACTOR
Volt Edge Services
509 W Locust St
Ontario, Ca 91762
Phone : (951)903-3172
Lic. # 540858 C10, C7, B, A, C20

CONTACT

Phone : ((95)1) -3172
Cell Phone:

Date: 1/13/2017 Valuation 20,000.00
Total Sq Ft: APN: 11326106
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:
Other Miscellaneous

Description/Comments: NEW PEDESTRIAN RAMP AT REAR OF BUILDING

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date Signature of Owner

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 540858 Lic. Class ABC10C7C20 Exp. Date 9-30-18
City Lic. # 65939 Expires: 12-31-17

1-13-17 Date Signature of Contractor

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
(X) I have and will maintain Worker's Compensation Insurance

WC Policy No. None Listed 1948569 Carrier STATE FUND

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

1-13-17 Date Signature of Owner or Agent

Electrical Plumbing Mechanical

Expired

Fees:

Issuance Fee	23.50
Building Fee:	344.75
Plan Review Fees:	233.50
Electrical Fee:	0.00
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	5.60
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	1.00
TOTAL FEES:	$633.49
TOTAL PAYMENTS:	$633.49
BALANCE DUE:	$0.00

City of Ontario Building Department

Before 5pm

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B201700165

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS			***PLUMBING APPROVALS***		
Line & Grade			Ground		
Soils Cert.			Private Sewage System		
Footing/Steel/Ufer			Interceptor/Clarifier		
Slab on Grade	01/23/17	WMH	Water Service		
Slab Pour Strip			On-Site Sewer		
Floor Framing			On-Site Storm Drain		
Floor Insulation			Rough Plumbing		
Floor Sheathing			Gas Test		
Roof Framing/Sheathing			Multi-Purpose Fire Sprinklers		
Ext. Wall Framing/Pre-Lath			Roof Drains		
Tilt-Up Panels					
CMU Pre-Grout			**Final**		
Fire Stopping – Prelim.			***MECHANICAL APPROVALS***		
Framing & Flashing			Rough Mechanical		
Insulation			Rough Mechanical T-Bar		
Drywall Nailing			Rough Process Piping		
Fire Stopping			Rough Refrigeration		
Lathing/Siding/Flashing			Ducts – Ventilating System		
T-Bar			Hoods/Booths		
Grading Cert.					
			Final		
Final			***POOL & SPA APPROVALS***		
ELECTRICAL APPROVALS			Pool Steel/Bonding		
Temp. Power System			Barrier/Pre-Plaster		
Underground Conduit			Deck Bonding		
Rough Electric			Demo		
Rough Electric – T-Bar			**Final**		
SRV's Grounding & Bonding			***DEMO APPROVALS***		
			Sewer Cap/Septic Abandonment		
Final			**Final**		

NOTES: Res Exterior Garage Beam @ IC area w/

1-08-20 Permit Expired due to lack of Activity - MA

Rev. 2/2012

Address: 1801 E AVION ST, ONTARIO, CA 91761 Permit No. **B201700232** City of Ontario Building Department

OWNER:
ONTARIO INTERNATIONAL AIRPORT AUTHOR
303 E B St
Ontario 91764

CONTRACTOR
All Pro Signs Inc
16921 S. Western Ave #110
Gardena, Ca 90247
Phone : (310)532-7676
Lic. # 819014

CONTACT
,
Phone : (323)-70-5896
Cell Phone:

Date: 3/9/2017 Valuation 5,000.00
Total Sq Ft: APN: 11325113
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:
Other Miscellaneous

Description/Comments: NEW INTERNALLY ILLUMINATED DOUBLE FACED MONUMENT SIGN TO READ "FEDEX", ONE (1) 21 SQFT INTERNALLY ILLUMINATED WALL SIGN, ONE (1) 14 SQFT INTERNALLY ILLUMINATED WALL SIGN, TWO (2) NON-ILLUMINATED 7 SQFT ALUMINUM PANEL SIGN ON GUARD SHACK.

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 819014 Lic. Class C45 Exp. Date 2/28/18
City Lic. # 83429 Expires: _____
3/9/17 Date _____ Signature of Contractor

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
(X) I have and will maintain Worker's Compensation Insurance

WC Policy No. 72WECDS0511 Carrier Ohio Sc.

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

3/9/17 Date _____ Signature of Owner or Agent

Electrical
Signs: 3

Plumbing

Mechanical

Fees:

Issuance Fee	47.00
Building Fee:	134.75
Plan Review Fees:	65.50
Electrical Fee:	73.80
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	1.40
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	1.00

Expired

TOTAL FEES:	$341.45
TOTAL PAYMENTS:	$341.45
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1700232

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade	04-1977	WAIVED
Soils Cert.		
Footing/Steel/Ufer	04-1977	WAIVED
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final		

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric	EXISTING	
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final		

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES: 1-08-20 Permit Expired due to lack of activity - VP

Rev. 2/2012

Address: 1923 E AVION ST, BLDG# 2, ONTARIO, CA 91761 Permit No. **B201800217** City of Ontario Building Department

OWNER:
ONTARIO INTERNATIONAL AIRPORT AUTHOR
303 E B St
Ontario 91764

CONTRACTOR
Jones Sign Co Inc
1711 Scheuring Road
Depere, Wi 54155
Phone : (920)983-6700
Lic. # 959771

CONTACT
,
,
Phone : (310)-38-7619
Cell Phone:

Date: 1/22/2018
Total Sq Ft:
New Sq Ft:
Units:
DAB Nbr:

Valuation 10,000.00
APN: 1132610 6
Lot:
Tract:
Block:
Construction Type:
Other Miscellaneous

Description/Comments: INSTALLATION OF MULTIPLE DIRECTIONAL AND CHANNEL LETTER SINAGE FOR ONTARIO AIRPORT

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 959771 Lic. Class C45 Exp. Date 4/30/19
City Lic. # 82366 Expires: JAN 31, 2019
1-22-18 Date Mike Smith Signature of Contractor

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
( ) I have and will maintain Worker's Compensation Insurance

WC Policy No. WC2Z91467682 Carrier LIBERTY MUTUAL FIRE INSURANCE COMPANY

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

1-22-18 Date Mike Smith Signature of Owner or Agent

Electrical
Signs: 1

Plumbing

Mechanical

Fees:

Issuance Fee	23.50
Building Fee:	204.75
Plan Review Fees.	145.00
Electrical Fee.	24.60
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	2.80
Investigation Fee	0.00
Microfilm Fee:	15.00
Copies Fee:	0.00
SB1473 Fee:	1.00
TOTAL FEES:	$416.65
TOTAL PAYMENTS:	$416.65
BALANCE DUE:	$0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 180217

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS			***PLUMBING APPROVALS***		
Line & Grade			Ground		
Soils Cert.			Private Sewage System		
Footing/Steel/Ufer			Interceptor/Clarifier		
Slab on Grade			Water Service		
Slab Pour Strip			On-Site Sewer		
Floor Framing			On-Site Storm Drain		
Floor Insulation			Rough Plumbing		
Floor Sheathing			Gas Test		
Roof Framing/Sheathing			Multi-Purpose Fire Sprinklers		
Ext. Wall Framing/Pre-Lath			Roof Drains		
Tilt-Up Panels					
CMU Pre-Grout			**Final**		
Fire Stopping – Prelim.			***MECHANICAL APPROVALS***		
Framing & Flashing			Rough Mechanical		
Insulation			Rough Mechanical T-Bar		
Drywall Nailing			Rough Process Piping		
Fire Stopping			Rough Refrigeration		
Lathing/Siding/Flashing			Ducts – Ventilating System		
T-Bar			Hoods/Booths		
Grading Cert.					
			Final		
Final	4-25-18 William Johnson		***POOL & SPA APPROVALS***		
ELECTRICAL APPROVALS			Pool Steel/Bonding		
Temp. Power System			Barrier/Pre-Plaster		
Underground Conduit			Deck Bonding		
Rough Electric			Demo		
Rough Electric – T-Bar			**Final**		
SRV's Grounding & Bonding			***DEMO APPROVALS***		
			Sewer Cap/Septic Abandonment		
Final	4-25-18 William Johnson		**Final**		

NOTES:

Rev. 2/2012

Address: 1801 E AVION ST, ONTARIO, CA 91761 Permit No. **B201701948** **City of Ontario Building Department**

OWNER:
ONTARIO INTERNATIONAL AIRPORT AUTHOR
303 E B St
Ontario 91764

CONTRACTOR
Construction Electric Inc
18885 Van Buren Blvd #4C
Riverside, Ca 92508
Phone : (951)789-8350
Lic. # 379905

CONTACT
Phone :
Cell Phone:

Date: 5/24/2017 Valuation 0.00
Total Sq Ft: APN: 11325113
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:

Description/Comments: INSTALL (1) 120V 20A OUTLET TO POWER (2) ANTENAS.

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date Signature of Owner

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 379905 Lic. Class C-10 Exp. Date 7/31/2017
City Lic. # 92696 Expires: 1/31/2018
5/24/17
Date Signature of Contractor

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
(X) I have and will maintain Worker's Compensation Insurance

WC Policy No. WSD5022227 Carrier INSURANCE COMPANY OF THE WEST

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and I hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

5/24/17
Date Signature of Owner or Agent

Electrical
Outlet Switch: 1

Plumbing

Mechanical

Fees:

Issuance Fee	23.50
Building Fee:	22.90
Plan Review Fees:	0.00
Electrical Fee:	1.10
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	0.00
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	0.00

TOTAL FEES: $47.50
TOTAL PAYMENTS: $47.50
BALANCE DUE: $0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 170148

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final	08-23-17	
ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final	08-23-17	

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		
MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		
POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		
DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES:

Rev. 2/2012

Address: 1923 E AVION ST, ONTARIO, CA 91761 Permit No. **B201502191** **City of Ontario Building Department**

OWNER:
CINCO AIR CHARTER LLC
2161 E Avion St
Ontario 91761

CONTRACTOR
Oltmans Construction Co
10005 Mission Mill Road
Whittier, Ca 90608
Phone : (562)948-4242
Lic. # 86393 A B

CONTACT
,
Phone :
Cell Phone:

Date: 8/7/2015 Valuation 270,000.00
Total Sq Ft: APN: 11326106
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:
Other Miscellaneous

Description/Comments: CONSTRUCT JET PLANE BLAST WALL AT ONTARIO AIRPORT.

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 86393 Lic. Class AB Exp. Date 5/31/17
City Lic. # B2L00022834 Expires: 1/31/16

10/13/15 Date _____ Signature of Contractor _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
(✓) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
( ) I have and will maintain Worker's Compensation Insurance

WC Policy No. VTC2JUB2789L89714 Carrier _____

(✓) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

10/13/15 Date _____ Signature of Owner or Agent _____

Electrical Plumbing Mechanical

Fees:

Issuance Fee	23.50
Building Fee:	1,969.25
Plan Review Fees:	1,533.10
Electrical Fee:	0.00
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0 00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	75.60
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	11.00

TOTAL FEES: $4,596.25
TOTAL PAYMENTS: $4,596.25
BALANCE DUE: $0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20150219

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS			***PLUMBING APPROVALS***		
Line & Grade			Ground		
Soils Cert.			Private Sewage System		
Footing/Steel/Ufer	6/2/15		Interceptor/Clarifier		
Slab on Grade			Water Service		
Slab Pour Strip			On-Site Sewer		
Floor Framing			On-Site Storm Drain		
Floor Insulation			Rough Plumbing		
Floor Sheathing			Gas Test		
Roof Framing/Sheathing			Multi-Purpose Fire Sprinklers		
Ext. Wall Framing/Pre-Lath			Roof Drains		
Tilt-Up Panels					
CMU Pre-Grout			**Final**		
Fire Stopping – Prelim.			***MECHANICAL APPROVALS***		
Framing & Flashing			Rough Mechanical		
Insulation			Rough Mechanical T-Bar		
Drywall Nailing			Rough Process Piping		
Fire Stopping			Rough Refrigeration		
Lathing/Siding/Flashing			Ducts – Ventilating System		
T-Bar			Hoods/Booths		
Grading Cert.					
			Final		
Final	12-04-15		***POOL & SPA APPROVALS***		
ELECTRICAL APPROVALS			Pool Steel/Bonding		
Temp. Power System			Barrier/Pre-Plaster		
Underground Conduit			Deck Bonding		
Rough Electric			Demo		
Rough Electric – T-Bar			**Final**		
SRV's Grounding & Bonding			***DEMO APPROVALS***		
			Sewer Cap/Septic Abandonment		
Final			**Final**		

NOTES:

Address: 1801 E AVION ST, ONTARIO, CA 91761 Permit No. **B201601890**

City of Ontario Building Department

OWNER:
CITY OF LOS ANGELES
#1 World Way
Los Angeles Ca 90009

CONTRACTOR
Walton Electric Corporation
P.O. Box 1599
Claremont, California 91711-8599
Phone : (909)981-5051
Lic. # 484774

Date: 5/20/2016 Valuation 0.00
Total Sq Ft: APN: 11325113
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type.

Description/Comments: DISCONNECT RELOCATION FOR HVAC CHANGEOUT UNDER PERMIT B201600373

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date Signature of Owner

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 484774 Lic. Class C10 Exp. Date 1/31/18
City Lic. # 90038 Expires: 12/31/16
5/20/16 Date Signature of Contractor

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following.
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
( ) I have and will maintain Worker's Compensation Insurance
WC Policy No. None Listed WAWC6002220 Carrier CYPRESS Ins. Co.
( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

5/20/16 Date Signature of Owner or Agent

Electrical	Plumbing	Mechanical
Power >1-10 HP: 1		

Fees:

Issuance Fee	23.50
Building Fee:	11.70
Plan Review Fees:	0.00
Electrical Fee:	12.30
Plumbing Fee.	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	0.00
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	0.00

TOTAL FEES: $47.50
TOTAL PAYMENTS: $47.50
BALANCE DUE: $0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20160890

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final		

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric	5-23-16	P.Rico
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final	5-23-16	P.Rico

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES:

Rev. 2/2012

Address: 1801 E AVION ST, ONTARIO, CA 91761 Permit No. **B201601645**

City of Ontario Building Department

OWNER:
CITY OF LOS ANGELES
#1 World Way
Los Angeles Ca 90009

CONTRACTOR
Griffith Company
3050 E. Birch Street
Brea, Ca 92821
Phone : (714)984-5500
Lic. # 88 A

Date: 5/4/2016 Valuation 0.00
Total Sq Ft: APN: 11325113
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:

Description/Comments: INSTALL ONE (1) 100 AMP METER AND PEDESTAL (PLAN CHECKED UNDER B201502443)

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 88 Lic. Class A Exp. Date 9/30/2016
City Lic. # BL00070290 Expires: 1/31/2017
5/4/2016 Date Signature of Contractor

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
( ) I have and will maintain Worker's Compensation Insurance

WC Policy No. A1CW99281 Carrier Zurich American

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

5/4/2016 Date Signature of Owner or Agent

Electrical	Plumbing	Mechanical
Srv to 200 Amps: 1		

Fees:

Issuance Fee	23 50
Building Fee:	0.00
Plan Review Fees:	0.00
Electrical Fee:	30.50
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	0.00
Investigation Fee	0.00
Microfilm Fee.	0.00
Copies Fee:	0.00
SB1473 Fee:	0.00

TOTAL FEES: $54.00
TOTAL PAYMENTS: $54.00
BALANCE DUE: $0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B2011601645

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps 100	Date 05-04-16 Initial LS
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final		
ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding	05-04-16	WITNESS
Final	05-04-16	WITNESS

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		
MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		
POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		
DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES:

OK TO CALL SCE 100 AMP METER TO BE REP 05-04-16 LS

5/5/16 – Edison Released. JM

Rev. 2/2012

Address: 1923 E AVION ST, ONTARIO, CA 91761 Permit No. **B201501423** **City of Ontario Building Department**

OWNER:
CITY OF LOS ANGELES
#1 World Way
Los Angeles Ca 90009

CONTRACTOR
Oltmans Construction Co
10005 Mission Mill Road
Whittier, Ca 90608
Phone : (562)948-4242
Lic. # 86393 A B

CONTACT

Phone : (714)-52-4811
Cell Phone:

Date: 8/12/2015 Valuation 15,000.00
Total Sq Ft: APN: 11326106
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:
Other Miscellaneous

Description/Comments: INSTALL LOT LIGHT FOR UPS TUG ROAD ON AIRPORT PROPERTY.

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date Signature of Owner

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 86393 Lic. Class Exp. Date 5-31-17
City Lic. # 22834 Expires: 12-31-15
8-12-15 Signature of Contractor
Date

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
( ) I have and will maintain Worker's Compensation Insurance

WC Policy No. VTC2JUB2789L89714 Carrier Travelers

( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

8-12-15 Signature of Owner or Agent
Date

Electrical
Light Fixtures: 1

Plumbing

Mechanical

Fees:

Issuance Fee	47.00
Building Fee:	274.75
Plan Review Fees:	177.50
Electrical Fee:	1.10
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	0.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	0.00
SMIP Fee:	4.20
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	1.00

TOTAL FEES: $510.05
TOTAL PAYMENTS: $510.05
BALANCE DUE: $0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20 1501423

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final	8/21/15	
ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final		

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		
MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		
POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		
DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES: 8/13/15 - Equipment Ground shall be properly attached to Light pole, Install Drypack

Address: 1923 E AVION ST, ONTARIO, CA 91761 Permit No. **B201401914**

City of Ontario Building Department

OWNER:
CINCO AIR CHARTER LLC
2161 E Avion St
Ontario 91761

CONTRACTOR
Oltmans Construction Co
10005 Mission Mill Road
Whittier, Ca 90608
Phone : (562)948-4242
Lic. # 86393 A B

CONTACT
Thienes Engineering
14349 Firestone Boulevard
La Mirada, Ca 90638
Phone : ((71)4) -4811
Cell Phone: (714) 269-6364

Date: 1/8/2015 Valuation 0.00
Total Sq Ft: APN: 11326106
New Sq Ft: Lot:
Units: Tract:
DAB Nbr: Block:
Construction Type:

Description/Comments: PRECISE GRADING FOR UPS ACCESS ROAD.

OWNER BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professional Code).

Date _____ Signature of Owner _____

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # 86393 Lic. Class AB1 Exp. Date 5/31/15

X City Lic. # BL0022834 Expires: 12/31/15

1/8/15 Date _____ Signature of Contractor

WORKER'S COMPENSATION DECLARATION

I hereby affirm under Penalty of Perjury one of the following:
( ) I have and will maintain a Certificate of Consent of self-insurance for Worker's Compensation
( ) I have and will maintain Worker's Compensation Insurance

WC Policy No None Listed 76CSEQU2310 Carrier TRAVELERS

X ( ) I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Worker's Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State Laws related to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

X 1/8/15 Date _____ Signature of Owner or Agent

Electrical Plumbing Mechanical

Fees:

Issuance Fee	23.50
Building Fee:	0.00
Plan Review Fees:	14.10
Electrical Fee:	0.00
Plumbing Fee:	0.00
Mechanical Fee	0.00
Grading Fee:	142.00
NMC Dev Fee:	0.00
Development Fee	0.00
Sewer Assmnt:	0.00
Dust Control Fee	250.00
SMIP Fee:	0.00
Investigation Fee	0.00
Microfilm Fee:	0.00
Copies Fee:	0.00
SB1473 Fee:	0.00

TOTAL FEES: $432.60

TOTAL PAYMENTS: $432.60

BALANCE DUE: $0.00

City of Ontario Building Department

INSPECTION REQUEST LINE 909-395-2361

PERMIT #B20H01914

POST this in a conspicuous place at the job site.

Main Line 909-395-2023/Inspectors 909-395-2362

You must furnish PERMIT NUMBER and JOB ADDRESS for each respective inspection.

Approved plans must be at job site at all times.

OTHER DEPARTMENT RELEASES			
Other Department Approvals that may be required prior to the building being released by the City.			
Department	**Phone**	**Department**	**Phone**
Engineering	395-2025	Fire	395-2029
Planning	395-2036	Police	395-2990
Landscape	395-2237	Code	395-2007
Electrical	Res/Com New/Reset/Upgrade	Amps	Date Initial
Gas	Standard/Medium		Date Initial

This permit becomes void if work has not commenced within 365 days from date of issuance OR if work has been suspended or abandoned for a period of 180 days.

BUILDING APPROVALS		
Line & Grade		
Soils Cert.		
Footing/Steel/Ufer		
Slab on Grade		
Slab Pour Strip		
Floor Framing		
Floor Insulation		
Floor Sheathing		
Roof Framing/Sheathing		
Ext. Wall Framing/Pre-Lath		
Tilt-Up Panels		
CMU Pre-Grout		
Fire Stopping – Prelim.		
Framing & Flashing		
Insulation		
Drywall Nailing		
Fire Stopping		
Lathing/Siding/Flashing		
T-Bar		
Grading Cert.		
Final	8/13/15	

ELECTRICAL APPROVALS		
Temp. Power System		
Underground Conduit		
Rough Electric		
Rough Electric – T-Bar		
SRV's Grounding & Bonding		
Final		

PLUMBING APPROVALS		
Ground		
Private Sewage System		
Interceptor/Clarifier		
Water Service		
On-Site Sewer		
On-Site Storm Drain		
Rough Plumbing		
Gas Test		
Multi-Purpose Fire Sprinklers		
Roof Drains		
Final		

MECHANICAL APPROVALS		
Rough Mechanical		
Rough Mechanical T-Bar		
Rough Process Piping		
Rough Refrigeration		
Ducts – Ventilating System		
Hoods/Booths		
Final		

POOL & SPA APPROVALS		
Pool Steel/Bonding		
Barrier/Pre-Plaster		
Deck Bonding		
Demo		
Final		

DEMO APPROVALS		
Sewer Cap/Septic Abandonment		
Final		

NOTES:

Rev. 2/2012

Appendix I

Request for Records Search to the
South Coast Air Quality Management District and
Response, Photocopies and Extension to Respond Obtained from that Agency

SOUTH COAST AQMD

PUBLIC RECORDS REQUEST FORM

Request Information (For Office Use Only)

Date Stored

Time Stored

Public Record Request Nbr

Public Record Request Tracking Nbr
116353

Attention Requestor

Please fill out this form completely. You may include an attachment to the form, if necessary.

Requestor Information

Requestor Name
Shannon Castagno

Requestor Address
30251 Golden Lantern, #E305

Requestor Company
Environmental Support Services

Requestor City
Laguna Niguel

Requestor Email*
SHANNON@ENVIRONMENTALSUPPORTSERVICES.COM

Requestor State
CA

Requestor Phone
(949)429-3564

Requestor Zip Code
92677

Type of Requested Record(s).

REQUESTED RECORDS. **Please be as specific as possible in describing the records you are seeking.** The more specific you are, the easier it will be to determine if such records exist in District files. Please contact the Public Records Unit if you need assistance in identifying District records.

Note: Permits to Operate, Equipment Lists, Notices of Violation, Notices to Comply, and Emissions Summaries are available through SCAQMD's FIND page at http://www3.aqmd.gov/webappl/fim/prog/search.aspx (you need to copy and paste this link into your browser).

Please Enter a description of the records you are requesting here:*
Applications (APPLS), Complaints, Permits to Operate (P/O), Site Inspection Reports (I/R), Equipment List Report (EQL), Emissions Summary, Notices of Violation (NOV), Notices to Comply (N/C)

Time Period of Documents Requested

Start Date*
1/1/1900

End Date*
9/2/2021

Requested Facility or Site Information (if applicable)

Note: You may only include one Facility or Site per Form.

Facility ID (if known)

Address
1049 South Vineyard Avenue

Facility Name (if known)
Ontario Airport Property

City
Ontario

Zip Code

Requested Application or Permit List. (if applicable)

Please click the Add Button to the right to enter a Application/Permit Number

Authorization Letter Attachment (0)

Authorization Letter

Note: Please use the above button for attaching an Authorization Letter from the facility to release confidential information for your public records request.

Supplemental Attachments (0)

Supplemental Documents

Note: Please use the above button for attaching additional documents that will help define your public records request.

INSTRUCTIONS FOR REQUESTING RECORDS

(California Public Records Act, Govt. Code Sections 6250-6276.48)

1. In order to expedite your request, please fill out the form completely. Requests may also be submitted by phone at (909) 396-3700, by facsimile to (909) 396-3330, or by email to PublicRecordsRequests@aqmd.gov.

2. Requests must be for records prepared, owned, used, or retained by the District (Gov. Code Sec. 6252(e)). Requests should be for clearly identifiable records. The District is not required to create a new record in response to a request. The District will assist the requestor in making a request that describes reasonably identifiable records (Gov. Code Sec. 6253.1). Documents will not be provided if disclosure would infringe upon a copyright, trade secret, or is otherwise exempt in accordance with state law.

3. A search for facility records can only be conducted by one or all of the following:

-- a) Facility Name, Address, or Identification Number

-- b) Facility Application Number, or Permit to Operate Number; or

-- c) Facility Notice of Violation/Notice to Comply Number.

4. You will be notified within ten (10) days whether your request seeks copies of disclosable public records prepared, owned, used, or retained by this agency. In some cases, the District may need an additional 14 days to respond. If so, you will be notified in writing. You will also be provided an estimated date of when the records will be made available.

5. Communications regarding your request, and any records, will be provided by email, unless specified otherwise.

6. If the search for records finds the records voluminous, you will be notified of the approximate number of pages and/or length of time it will take to process your request.

7. If the records you requested have been marked confidential by the source of the record, you will be notified and given the option of continuing with the District's Trade Secret process.

8. If your request is to review records, rather than receive copies, the District will notify you once the records are gathered, and arrangements will be made for your review.

9. The charge for the direct cost of duplication is as follows: Paper Copies, $0.15/page each over 10 pages (first 10 pages are free); Copied CD's or flash drives, no charge; and Copied Audio Tapes, $5.00 each. After a preliminary estimate, advance payment may be required.

10. If the request is for information in an electronic format, the requestor shall bear the cost of producing a copy of the record, including the cost to construct the record and the cost of programming and computer services necessary to produce a copy of the record, when either of the following applies: (1) the District would be required to produce a copy of an electronic record and the record is one that is produced only at otherwise regularly scheduled intervals, or (2) the request would require data compilation, extraction, or programming to produce the record. (Gov. Code Sec. 6253.9(b)). The transfer of gathered electronic records onto CD, DVD or flash drive typically costs $10.00 each. An invoice will accompany your records when completed.

Note: For further information, please refer to the District's Guidelines for Implementing the California Public Records Act. The Guidelines are available in the lobby of the District Headquarters or on the District's web site at www.aqmd.gov.

Note: If you have questions pertaining to the submittal of a Public Records Act request, you may contact the Public Records Unit, (909) 396-3700, Tuesday through Friday, 7:00 a.m. to 5:30 p.m. Our Fax number is (909) 396-3330. Our email address is PublicRecordsRequests@aqmd.gov.

SOUTH COAST AQMD

PUBLIC RECORDS REQUEST FORM

Request Information (For Office Use Only)

Date Stored

Time Stored

Public Record Request Nbr

Public Record Request Tracking Nbr
116354

Attention Requestor

Please fill out this form completely. You may include an attachment to the form, if necessary.

Requestor Information

Requestor Name
Shannon Castagno

Requestor Address
30251 Golden Lantern, E305

Requestor Company
Environmental Support Services

Requestor City
Laguna Niguel

Requestor Email*
SHANNON@ENVIRONMENTALSUPPORTSERVICES.COM

Requestor State
California

Requestor Phone

Requestor Zip Code
92677

Type of Requested Record(s).

REQUESTED RECORDS. **Please be as specific as possible in describing the records you are seeking.** The more specific you are, the easier it will be to determine if such records exist in District files. Please contact the Public Records Unit if you need assistance in identifying District records.

Note: Permits to Operate, Equipment Lists, Notices of Violation, Notices to Comply, and Emissions Summaries are available through SCAQMD's FIND page at http://www3.aqmd.gov/webappl/fim/prog/search.aspx (you need to copy and paste this link into your browser).

Please Enter a description of the records you are requesting here:*
Applications (APPLS), Complaints, Permits to Operate (P/O), Site Inspection Reports (I/R), Equipment List Report (EQL), Emissions Summary, Notices of Violation (NOV), Notices to Comply (N/C)

Time Period of Documents Requested

Start Date*
1/1/1900

End Date*
9/2/2021

Requested Facility or Site Information (if applicable)

Note: You may only include one Facility or Site per Form.

Facility ID (if known)

Address
1280 South Tower Drive and 1230 & 1250 Tower Drive

Facility Name (if known)
Ontario Airport Property

City
Ontario

Zip Code

Requested Application or Permit List. (if applicable)

Please click the Add Button to the right to enter a Application/Permit Number

Authorization Letter Attachment (0)

Authorization Letter

Note: Please use the above button for attaching an Authorization Letter from the facility to release confidential information for your public records request.

Supplemental Attachments (0)

Supplemental Documents

Note: Please use the above button for attaching additional documents that will help define your public records request.

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-- b) Facility Application Number, or Permit to Operate Number; or

-- c) Facility Notice of Violation/Notice to Comply Number.

4. You will be notified within ten (10) days whether your request seeks copies of disclosable public records prepared, owned, used, or retained by this agency. In some cases, the District may need an additional 14 days to respond. If so, you will be notified in writing. You will also be provided an estimated date of when the records will be made available.

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8. If your request is to review records, rather than receive copies, the District will notify you once the records are gathered, and arrangements will be made for your review.

9. The charge for the direct cost of duplication is as follows: Paper Copies, $0.15/page each over 10 pages (first 10 pages are free); Copied CD's or flash drives, no charge; and Copied Audio Tapes, $5.00 each. After a preliminary estimate, advance payment may be required.

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Note: For further information, please refer to the District's Guidelines for Implementing the California Public Records Act. The Guidelines are available in the lobby of the District Headquarters or on the District's web site at www.aqmd.gov.

Note: If you have questions pertaining to the submittal of a Public Records Act request, you may contact the Public Records Unit, (909) 396-3700, Tuesday through Friday, 7:00 a.m. to 5:30 p.m. Our Fax number is (909) 396-3330. Our email address is PublicRecordsRequests@aqmd.gov.

SOUTH COAST AQMD

PUBLIC RECORDS REQUEST FORM

Request Information (For Office Use Only)

Date Stored

Time Stored

Public Record Request Nbr

Public Record Request Tracking Nbr
116355

Attention Requestor

Please fill out this form completely. You may include an attachment to the form, if necessary.

Requestor Information

Requestor Name
Shannon Castagno

Requestor Address
30251 Golden Lantern, E305

Requestor Company
Environmental Support Services

Requestor City
Laguna Niguel

Requestor Email*
SHANNON@ENVIRONMENTALSUPPORTSERVICES.COM

Requestor State
CA

Requestor Phone

Requestor Zip Code

Type of Requested Record(s).

REQUESTED RECORDS. **Please be as specific as possible in describing the records you are seeking.** The more specific you are, the easier it will be to determine if such records exist in District files. Please contact the Public Records Unit if you need assistance in identifying District records.

Note: Permits to Operate, Equipment Lists, Notices of Violation, Notices to Comply, and Emissions Summaries are available through SCAQMD's FIND page at http://www3.aqmd.gov/webappl/fim/prog/search.aspx (you need to copy and paste this link into your browser).

Please Enter a description of the records you are requesting here:*
Applications (APPLS), Complaints, Permits to Operate (P/O), Site Inspection Reports (I/R), Equipment List Report (EQL), Emissions Summary, Notices of Violation (NOV), Notices to Comply (N/C)

Time Period of Documents Requested

Start Date*
1/1/1900

End Date*
9/2/2021

Requested Facility or Site Information (if applicable)

Note: You may only include one Facility or Site per Form.

Facility ID (if known)

Address
2500 Jarupa Street

Facility Name (if known)
Ontario Airport Property

City
Ontario

Zip Code

Requested Application or Permit List. (if applicable)

Please click the Add Button to the right to enter a Application/Permit Number

Authorization Letter Attachment (0)

Authorization Letter

Note: Please use the above button for attaching an Authorization Letter from the facility to release confidential information for your public records request.

Supplemental Attachments (0)

Supplemental Documents

Note: Please use the above button for attaching additional documents that will help define your public records request.

INSTRUCTIONS FOR REQUESTING RECORDS

(California Public Records Act, Govt. Code Sections 6250-6276.48)

1. In order to expedite your request, please fill out the form completely. Requests may also be submitted by phone at (909) 396-3700, by facsimile to (909) 396-3330, or by email to PublicRecordsRequests@aqmd.gov.

2. Requests must be for records prepared, owned, used, or retained by the District (Gov. Code Sec. 6252(e)). Requests should be for clearly identifiable records. The District is not required to create a new record in response to a request. The District will assist the requestor in making a request that describes reasonably identifiable records (Gov. Code Sec. 6253.1). Documents will not be provided if disclosure would infringe upon a copyright, trade secret, or is otherwise exempt in accordance with state law.

3. A search for facility records can only be conducted by one or all of the following:

-- a) Facility Name, Address, or Identification Number

-- b) Facility Application Number, or Permit to Operate Number; or

-- c) Facility Notice of Violation/Notice to Comply Number.

4. You will be notified within ten (10) days whether your request seeks copies of disclosable public records prepared, owned, used, or retained by this agency. In some cases, the District may need an additional 14 days to respond. If so, you will be notified in writing. You will also be provided an estimated date of when the records will be made available.

5. Communications regarding your request, and any records, will be provided by email, unless specified otherwise.

6. If the search for records finds the records voluminous, you will be notified of the approximate number of pages and/or length of time it will take to process your request.

7. If the records you requested have been marked confidential by the source of the record, you will be notified and given the option of continuing with the District's Trade Secret process.

8. If your request is to review records, rather than receive copies, the District will notify you once the records are gathered, and arrangements will be made for your review.

9. The charge for the direct cost of duplication is as follows: Paper Copies, $0.15/page each over 10 pages (first 10 pages are free); Copied CD's or flash drives, no charge; and Copied Audio Tapes, $5.00 each. After a preliminary estimate, advance payment may be required.

10. If the request is for information in an electronic format, the requestor shall bear the cost of producing a copy of the record, including the cost to construct the record and the cost of programming and computer services necessary to produce a copy of the record, when either of the following applies: (1) the District would be required to produce a copy of an electronic record and the record is one that is produced only at otherwise regularly scheduled intervals, or (2) the request would require data compilation, extraction, or programming to produce the record. (Gov. Code Sec. 6253.9(b)). The transfer of gathered electronic records onto CD, DVD or flash drive typically costs $10.00 each. An invoice will accompany your records when completed.

Note: For further information, please refer to the District's Guidelines for Implementing the California Public Records Act. The Guidelines are available in the lobby of the District Headquarters or on the District's web site at www.aqmd.gov.

Note: If you have questions pertaining to the submittal of a Public Records Act request, you may contact the Public Records Unit, (909) 396-3700, Tuesday through Friday, 7:00 a.m. to 5:30 p.m. Our Fax number is (909) 396-3330. Our email address is PublicRecordsRequests@aqmd.gov.

SOUTH COAST AQMD

PUBLIC RECORDS REQUEST FORM

Request Information (For Office Use Only)

Date Stored

Time Stored

Public Record Request Nbr

Public Record Request Tracking Nbr
116356

Attention Requestor

Please fill out this form completely. You may include an attachment to the form, if necessary.

Requestor Information

Requestor Name
Shannon Castagno

Requestor Address
30251 Golden Lantern, E305

Requestor Company
Environmental Support Services

Requestor City
Laguna Niguel

Requestor Email*
SHANNON@ENVIRONMENTALSUPPORTSERVICES.COM

Requestor State
CA

Requestor Phone

Requestor Zip Code

Type of Requested Record(s).

REQUESTED RECORDS. **Please be as specific as possible in describing the records you are seeking.** The more specific you are, the easier it will be to determine if such records exist in District files. Please contact the Public Records Unit if you need assistance in identifying District records.

Note: Permits to Operate, Equipment Lists, Notices of Violation, Notices to Comply, and Emissions Summaries are available through SCAQMD's FIND page at http://www3.aqmd.gov/webappl/fim/prog/search.aspx (you need to copy and paste this link into your browser).

Please Enter a description of the records you are requesting here:*
Addresses: 1801 East Avion Drive, 1922 East Avion Street, 1923 East Avion Street (also Drive and Place), 2132 Avion (Also East Avion Street), 2161 East Avion Street, 2264 East Avion Street (also Place) & 2475 East Avion Street
Applications (APPLS), Complaints, Permits to Operate (P/O), Site Inspection Reports (I/R), Equipment List Report (EQL), Emissions Summary, Notices of Violation (NOV), Notices to Comply (N/C)

Time Period of Documents Requested

Start Date*
1/1/1900

End Date*
9/2/2021

Requested Facility or Site Information (if applicable)

Note: You may only include one Facility or Site per Form.

Facility ID (if known)

Address
See Above

Facility Name (if known)
Ontario Airport Property

City
Ontario

Zip Code

Requested Application or Permit List. (if applicable)

Please click the Add Button to the right to enter a Application/Permit Number

Authorization Letter Attachment (0)

Authorization Letter

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-- b) Facility Application Number, or Permit to Operate Number; or

-- c) Facility Notice of Violation/Notice to Comply Number.

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7. If the records you requested have been marked confidential by the source of the record, you will be notified and given the option of continuing with the District's Trade Secret process.

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Note: If you have questions pertaining to the submittal of a Public Records Act request, you may contact the Public Records Unit, (909) 396-3700, Tuesday through Friday, 7:00 a.m. to 5:30 p.m. Our Fax number is (909) 396-3330. Our email address is PublicRecordsRequests@aqmd.gov.

shannon environmentalsupportservices.com

From: LTrapp@aqmd.gov
Sent: Friday, September 3, 2021 10:34 AM
To: shannon environmentalsupportservices.com
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1407970, -- Completion Letter
Attachments: ATT00001.tif



Shannon Castagno

Environmental Support Services

30251 Golden Lantern #E-305

Laguna Niguel, Ca 92677

Ref: Request for Records; Control No. **1407970**, Received 9/2/2021

RE: APPL'S, P/O'S, EQL'S, NOV'S, N/C'S, COMPLAINTS, I/R'S, & EMISSION SUM FOR 1049 S VINEYARD AVE, ONTARIO, CA, FROM 1/1/1900-9/2/2021.

After a thorough search of this agency's records:

NO REQUESTED RECORDS WERE FOUND FOR THE ABOVE REFERENCED FACILITY OR FACILITY SITE.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of **8:00 a.m.** and **4:30 p.m.**

Sincerely,

Lora Trapp

For Colleen Paine

Public Records Coordinator

Information Management

shannon environmentalsupportservices.com

From: lramos@aqmd.gov
Sent: Friday, September 3, 2021 7:50 AM
To: shannon environmentalsupportservices.com
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1407973, -- Completion Letter



Shannon Castagno

Environmental Support Services

30251 Golden Lantern E305

Laguna Nigel, Ca 92677

Ref: Request for Records; Control No. **1407973**, Received 9/2/2021

RE: APPL'S, P/O'S, EQL'S, NOV'S, NC'S, COMPLAINTS, IR'S & EMISSION SUM FOR ONTARIO AIRPORT PROPERTY, 1230, 1250 & 1280 TOWER DR, ONTARIO, CA FROM 1/1/1900 - 9/2/2021

After a thorough search of this agency's records, the following records were found:

APPL'S, P/O'S, EQL, NOV & NC & FOR 1230 & APPL'S, PO'S, EQL & IR'S FOR 1250 ONTARIO AIRPORT PROPERTY, TOWER DR, ONTARIO, CA FROM 1/1/1900 - 9/2/2021

The following records were not found:

APPL'S, P/O'S, EQL'S, NOV'S, NC'S, COMPLAINTS, IR'S & EMISSION SUM FOR ONTARIO AIRPORT PROPERTY, 1280 TOWER DR, ONTARIO, CA FROM 1/1/1900 - 9/2/2021

Your records were provided --Electronically-- on 9/3/2021.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of **8:00 a.m.** and **4:30 p.m.**

Sincerely,

Lisa Ramos

For Colleen Paine

Public Records Coordinator
Information Management

SCAQMD Facility Equipment List Report

Facility: 74611 LA CITY, ONTARIO INT'L AIRPORT FIRE DEPT
Status: Out of Business
MR: 1409 SIC: 9224 Team: I
Last Inspection: On Hold: Suspended: TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: 0000 - no scheduled inspections
Contact: JOHN LANHAM (213) 0000000 RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 1230 TOWER DR, ONTARIO 91761 Sector:EE Inspector:
Mailing Address: 2132 E AVION ST, ONTARIO 91761 Sector:EE Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
214395	M96781	11/15/1990	INACT_NR	91	CCAT	AMINE TREATING	09/27/1989	PERMIT TO OPERATE GRANTED
214395	M96781	11/15/1990	INACT_NR	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	09/27/1989	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 102048 FEDERAL AVIATION ADM, ONTARIO
Status: Active
MR: SIC: Team: I
Last Inspection: 02/20/2019 On Hold: Suspended: TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: WINSTON SLOAN (619) 5575029 RECLAIM: N TITLE V: N AIRS ID: Assignment: 1740939
Location Address: 1250 TOWER DR, ONTARIO 91761 Sector:EE Inspector: VT01 VANESSA J. TANIK
Mailing Address: 9175 KEARNY VILLA RD, SAN DIEGO 92126 Inspection Date: 02/20/2019
Instruction: Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
294369	D85129	08/31/1994	INACT_NR	043901	BCAT	I C E (50-500 HP) EM ELEC GEN-DIESEL	06/30/1994	PERMIT TO OPERATE GRANTED
294370	D84523	08/03/1994	INACT_NR	043901	BCAT	I C E (50-500 HP) EM ELEC GEN-DIESEL	06/30/1994	PERMIT TO OPERATE GRANTED
398250	F49565	03/01/2002	INACTIVE	043902	BCAT	I C E (>500 HP) EM ELEC GEN DIESEL	03/01/2002	PERMIT TO OPERATE GRANTED

REPORT: This is a duplicate ID for the FAA located at Ontario Airport. All active permits are under Facility ID 90024.

I recommend the TS code be updated.

Written by VTanik

Reviewed by SB06

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District

NOV P15855

Run Date : 9/2/2021 13:53:07

Company

Facility:	LA CITY, ONTARIO INT'L AIRPORT FIRE DEPT (ID: 74611)
Location Address:	1230 TOWER, DR ONTARIO
Mailing Address:	1230 TOWER, DR ONTARIO 91761
AIRS ID	

Violation

Notice Issued Date:	11/22/1994
Violation Date:	11/15/1994
Serve To:	
Title:	CPT. LINDSAL
Issue By:	GRETA L GRIER (Team: S)
Assignment No.:	520067
Equipment Description:	GASOLINE NOZZLES

Violation:

Disposition

Final Action Code:	CLO 3/9/1995 00:00:00
Achieved Date:	
Due Date:	
Violation Days:	0

Rule/Comment

461 FAILURE TO MAINTAIN VAPOR RECOVERY SYSTEM

Emittent

Follow-Up

Status: Inspector ID: Inspection Date: Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: lramos

User: lramos

SCAQMD Facility Equipment List Report

Run Date : 09/02/2021 01:56 PM

Facility: 102048 FEDERAL AVIATION ADM, ONTARIO
Status: Active
MR:
SIC:
Team: I
Last Inspection: 02/20/2019
On Hold:
Suspended:
TS: TS-12 Industrial Sources - Out of Business and Cha
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: WINSTON SLOAN (619) 5575029
RECLAIM: N
TITLE V: N
AIRS ID:
Assignment: 1384296
Location Address: 1250 TOWER DR, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 9175 KEARNY VILLA RD, SAN DIEGO 92126
Inspection Date: 08/07/2013
Instruction:
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On Wednesday, 8/7/2013, from 0800-1220 hrs., I arrived at this facility and conducted an E/L inspection. This is the FAA towers/equipment located at Ontario Airport. There are two ID numbers involved (102048 & 90024) and since this inspection all the equipment has been moved to ID #90024 per the facilities' request. I met with Bill Bottin, C 858 210 9098, W 858 537 5516, who escorted me during my inspection. The rules that apply are 203. No 1146, 1415.

1. G23790 - ONTA SSC-SX - office, John Deere, M/N 6068HF285, S/N actual PE6068L142279 (permit says 2319222 from generator - N/C E21632 for 203b, y/b 9/2010, 197 h.p., 7.1 hrs.

2. F60927 - ONTDSX - office, John Deere M/N 6081AF001, S/N RG6081A159750, 347 HP, 165 HRS, 175 KW.

3. Open app - ONT BSX Tower, John Deere, M/N 6068HF285, S/N PE6068L142276, Y/B 12/2010, 5.0 hrs.

4. 219 exempt - TWOASX - White/Hercules, M/N D3000X190, S/N NCNC3418477, HP ??? but 25KW so 50 hp. 941.4 HRS.

5. F60926 - TWOBSX-ALSF, John Deere M/N 6081AF001, S/N RG6081A150572, 347 HP, y/b 4/02, 301 HRS, KW 175

6. 219 exempt - ONTCSX, John Deere, M/N 4024TF281, S/N PE4024R031071, HP ??? but 25 KW so < 50 hp, HRS 13.7.

7. 219 exempt - TWOSX/GS, White/Hercules, M/N D30000X190, S/N NF3418820, HP ??? but 25 KW so < 50hp., 1573.2 hrs.

Reviewed by K. Melville 9/10/13

Update -9/11/2013 -regarding #1 - G23790 - ONTA SSC-SX - office: Permit says S/N 2319222 from generator. Actual S/N is PE6068L142279. N/C E21632 for 203b

Reviewed by K. Melville 9/25/13

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 102048 FEDERAL AVIATION ADM, ONTARIO
Status: Active
MR:
SIC:
Team: I
Last Inspection: 02/20/2019
On Hold:
Suspended:
TS: TS-12 Industrial Sources - Out of Business and Cha
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: WINSTON SLOAN (619) 5575029
RECLAIM: N
TITLE V: N
AIRS ID:
Assignment: 1226910
Location Address: 1250 TOWER DR, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 9175 KEARNY VILLA RD, SAN DIEGO 92126
Inspection Date: 03/24/2011
Instruction:
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On Thursday, 3/24/2011, at 0735 hrs., I arrived at this facility to conduct an E/L inspection and met with Willie Bennett, Manager, 909 605-0047. He explained that Kevin Strong, Technician, would be escorting me to the various sites that the FAA has around Ontario Airport. Mr. Bennett also explained the person that handled the paperwork had retired a couple years ago and a new person was starting to do the job-Bill Bottin - and he is out of the San Diego Office. I have spoken with him and he is going out to the site Wednesday (3/30/2011) to compare the permits to the equipment and we will meet to complete the inspection. There are other ID #s involved.

Mr. Strong and I looked at a total of 7 engines and none of them had the permits available. The name plate info was scetchy and will be filled in on the followup. Rule 1470 will also be visited. .The information is as follows:

1. SSC-SX - office, Detroit Diesel M/N , S/N , HP 528 , HRS 1673.4, KW 175
2. ONTDSX - office, John Deere M/N 6081AF001, S/N RG6081A159750, HP , HRS 128, KW 175
3. Control Tower, Cummins, M/N NT855C3, S/N 11321399, HP 230, HRS 465, KW 125
4. Rnwy west 8L-26R, ???? M/N D3000X190, S/N NCNC3418477, HP ??? , HRS 813.9, KVA 25
5. Rnwy east TWOB-SX, John Deere M/N 6081AF001, S/N RG6081A150572, HP ???, HRS 181, KW 175
6. Rnwy east, John Deere, M/N 4024TF281, S/N PE4024R031071, HP ???, HRS 13.7, KW 20
7. Ornwy east ONT PAPI26 EAST, White/Herculeser, M/N D30000X190, S/N NF3418820, HP ???, HRS 1479, KW 25

Reviewed by MV on 4/6 2011 who wrote: Permits say expired. Also, look at Rule 1472 too.

10/14/2011 - All permits have been reactived and 1472 does not apply in this case.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 COPELY DRIVE - DIAMOND BAR, CA 91765-4182

NOTICE TO COMPLY

DATE OF INSPECTION 15, Nov, 94

NAME LA CITY, ONTARIO INT'L AIRPORT FIRE Dept

MAILING ADDRESS 1230 Tower Dr CITY 074611

LOCATION-ADDRESS OF INSPECTION Ontario 91761 SH (909) 988-2815

CITY SECTOR ID # TELEPHONE #

YOU ARE DIRECTED TO COMPLY WITH

☒ CALIFORNIA HEALTH AND SAFETY SECTION(S) 41960.2e

☒ SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS, RULE(S) 461 e3

FAILURE TO COMPLY WITH

☒ Section 42303 may result in the suspension of permits pursuant to Health and Safety Code Section 42304.

☒ Other sections of the Health and Safety Code or District Rules is punishable by the imposition of criminal or civil penalties provided by law.

TO COMPLY YOU ARE REQUIRED TO apply instruction stickers to gas pumping equip including the toxic warning.

DUE DATE: 6 ~~Dec~~ 94

WHEN COMPLIANCE HAS BEEN ACHIEVED, PLEASE CALL THE UNDERSIGNED INSPECTOR AT THE TELEPHONE NUMBER LISTED BELOW.

SERVED TO: Cpt. Lindsay Left with DAN Brollier Date 22, Nov, 94

TITLE: _____ BY: Greta Genier

TELEPHONE (909) 396-2371

No. A 14626

OFFICE OF STATIONARY SOURCE COMPLIANCE

FILE COPY

APPLICATION OR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

P.O. BOX 4944
Diamond Bar, California 91765-0944

FORM 400A

CASH ON HAND

NC/NOV NUMBER _____
INSPECTOR _____ SECTOR _____
ISSUE DATE _____

COMPANY INFORMATION

LEGAL NAME OF APPLICANT: FEDERAL AVIATION ADMINISTRATION ☐ IRS OR ☐ S.S. NUMBER

PERMIT TO BE ISSUED TO: (SEE INSTRUCTIONS) FEDERAL AVIATION ADMINISTRATION

BUSINESS MAILING ADDRESS: 8665 GIBBS DR., SUITE 100, SAN DIEGO, CA. 92123-1748

TYPE OF ORGANIZATION
☐ CORPORATION ☐ LIMITED PARTNERSHIP ☑ GOVERNMENT ENTITY
☐ INDIVIDUAL ☐ GENERAL PARTNERSHIP ☐ OTHER _____

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ YES ☑ NO
AVERAGE ANNUAL GROSS RECEIPTS:
NUMBER OF EMPLOYEES:
IS YOUR BUSINESS 51 PERCENT OR MORE WOMAN/MINORITY OWNED? (OPTIONAL) ☐ YES ☐ NO

ARE ALL FACILITIES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL RULES? ☐ YES ☐ NO

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☑ YES ☐ NO ☐ IRS OR ☐ S.S. NUMBER OF THE OWNER

IF NO, ENTER LEGAL NAME OF OWNER

FACILITY INFORMATION

EQUIPMENT ADDRESS/LOCATION: 1250 TOWER DR. (NUMBER / STREET)
ONTARIO (CITY OR COMMUNITY) CA 91761 (ZIP CODE)

FACILITY NAME: ONT / ATCT
FACILITY ID NUMBER (SEE INSTRUCTIONS): 102048

CONTACT PERSON AND TITLE: WINSTON L. SLOAN
CONTACT TELEPHONE NUMBER: 619 557-5029
NUMBER OF EMPLOYEES AT THIS FACILITY:

TYPE OF BUSINESS AT THIS FACILITY: AIR TRAFFIC CONTROL TOWER
BUSINESS TYPE CODE (SEE INSTRUCTIONS)
IS THERE A SCHOOL WITHIN 1,000 FEET OF YOUR PROPERTY? YES ☐ NO ☑

EQUIPMENT INFORMATION

EQUIPMENT DESCRIPTION (SEE INSTRUCTIONS): EMERGENCY ENGINE GENERATOR

APPLICATION FOR: (SEE INSTRUCTIONS)
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☑ EXISTING EQUIPMENT OPERATING WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ YES ☐ NO

HAVE YOU BEEN ISSUED A NOTICE TO COMPLY (NC) OR A NOTICE OF VIOLATION (NOV) FOR THIS EQUIPMENT? ☑ YES ☐ NO
NC NUMBER: A10542 NOV NUMBER: NOTICE ISSUE DATE: 1-27-94
NUMBER OF EMPLOYEES NEEDED TO OPERATE THIS EQUIPMENT: 1

IF THE EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF PERMITTEE:
PREVIOUS PERMIT NUMBER:

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED COST OF:
BASIC EQUIPMENT $
AIR POLLUTION CONTROL EQUIPMENT $

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED START DATE:
ESTIMATED COMPLETION DATE:

FOR CHANGE OF PERMITTEE, LOCATION OR CONDITION, ENTER DATE OF OCCURRENCE:
FOR EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT, ENTER INITIAL OPERATION DATE:

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? ☐ YES ☐ NO
IF YES, ENTER NAME: AND SUBMIT A COPY IF APPROVED
DO YOU CLAIM CONFIDENTIALITY OF DATA ? (SEE INSTRUCTIONS) ☐ YES ☐ NO

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT

SIGNATURE
OFFICIAL TITLE OF SIGNER: SECM
TYPE OR PRINT NAME OF SIGNER: WINSTON L. SLOAN
TELEPHONE NUMBER: 619 557-5029
DATE: 3-8-94

SCAQMD USE ONLY

APPLICATION NUMBER	TYPE	EQUIPMENT CATEGORY NUMBER	ASSIGNMENT	CLASS	ENF.
294370	B C D	073901	UNIT J ENGINEER	I II III IV	SECT.

ENGR. A R DATE INITIAL	ENGR. A R DATE INITIAL	FEE/SCHEDULE $	VALIDATION	CHECK OR MONEY ORDER NUMBER	AMOUNT
3/13		A 81.65	3-30-94		

DISTRIBUTION – WHITE – ENGINEERING – CANARY – ENFORCEMENT – PINK – APPLICANT

8128133 - 1174.25 / 8128134 - 2500.00

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

INTERNAL COMBUSTION ENGINE INFORMATION TO ACCOMPANY PERMIT APPLICATION FORM 400-A

(SEE REVERSE SIDE FOR APPLICATION INSTRUCTIONS)

1. BUSINESS LICENSE NAME: FEDERAL Aviation Administration

2. ENGINE MANUFACTURER, MODEL NUMBER & SERIAL NUMBER: (ATTACH MANUFACTURER'S CATALOG)
CUMMINS, 6CT8.3-G Serial # 0125-0121-85

3. UTILIZATION OF ENGINE: (CHECK ALL BOXES WHICH APPLY)
[X] ELECTRICAL GENERATOR [ ] FIRE PUMP [ ] RENTAL
[ ] COMPRESSOR DRIVER [ ] FLOOD CONTROL [ ] PORTABLE
[ ] PUMP DRIVER [ ] OTHER Emergency

4. ENGINE DESCRIPTION: NUMBER OF CYLINDERS 6
[ ] TWO CYCLE OR [X] FOUR CYCLE
[ ] LEAN BURN OR [ ] RICH BURN
[X] TURBOCHARGED [ ] TURBOCHARGED/AFTERCOOLED [ ] NATURALLY ASPIRATED

5. FUEL INFORMATION: AIR TO FUEL RATIO _____
[ ] NATURAL GAS [ ] GASOLINE [ ] LPG [X] DIESEL OIL
[ ] DIGESTER GAS [ ] LANDFILL GAS [ ] OTHER _____
SULFUR CONTENT OF DIGESTER GAS, LANDFILL GAS OR DIESEL: _____

6. MAXIMUM RATED FULL LOAD FUEL CONSUMPTION: _____ (GAL/HR) OR _____ (CU.FT/HR)
AVERAGE LOAD PERCENTAGE: _____ %

7. ENERGY RECOVERY FROM EXHAUST: [ ] YES [X] NO
IF YES, PLEASE EXPLAIN:

8. ENGINE SIZE (MANUFACTURER'S RATING): 188 BHP @ 1800 RPM

9. EMISSION CONTROL DEVICE: [ ] YES [ ] NO
IF YES, PLEASE SPECIFY:

10. EMISSION DATA

POLLUTANTS	EMISSION BEFORE CONTROL GR/BHP HR	PPM	LB/DAY	EMISSION AFTER CONTROL GR/BHP HR	PPM	LB/DAY
ROG						
NOX						
CO						
PM						

[X] MANUFACTURER DATA (SEE ATTACHED) [ ] SOURCE TEST DATE _____ (PLEASE PROVIDE COPY)

11. STACK OR VENT DATA:
DIMENSIONS: HEIGHT ABOVE GRADE _____ (FT) HEIGHT ABOVE BUILDING _____ (FT)
CROSS SECTION*: DIAMETER _____ (IN) OR WIDTH _____ (IN) LENGTH _____ (IN)
EXHAUST TEMPERATURE _____ (°F)
STACK SERVES: a. [ ] ONLY THIS EQUIPMENT EXHAUST FLOW RATE _____ (CFM)
b. [ ] OTHER EQUIPMENT ALSO** TOTAL FLOW RATE _____ (CFM)
* MEASURED AT THE ATMOSPHERIC EXHAUST OPENING EXHAUST PRESSURE _____ (INCHES H_2O)
**IF THIS ITEM IS CHECKED, SUBMIT TYPE AND RATING OF ALL OTHER EQUIPMENT EXHAUSTED THROUGH THIS VENT OR STACK.

12. OPERATING SCHEDULE: 05 (HR/DAY) 1 (DAYS/WEEK) 52 (WEEKS/YEAR)
MAXIMUM OPERATING HOURS: _____ (HR/DAY)
[X] EMERGENCY ONLY (INDICATE HRS OPERATED FOR TESTING & MAINTENANCE) 30

THE ABOVE INFORMATION IS SUBMITTED TO DESCRIBE THE USE OF THE EQUIPMENT FOR WHICH APPLICATION FOR PERMIT IS BEING MADE ON THE ACCOMPANYING FORM 400-A

SIGNATURE OF RESPONSIBLE MEMBER OF FIRM: _____ DATE 3-8-94

TYPE OR PRINT NAME AND OFFICIAL TITLE OF PERSON SIGNING THIS DATA FORM

NAME: Winston L. Sloan

TITLE: SECM

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731 (818) 572-6116

WDEM R1170

Application for Permit to Construct & Permit to Operate
Gasoline Storage & Dispensing Facility - Rule 461

PRIORITY

LA CITY

PERMIT TO BE ISSUED TO: 1 NC#
☐ CORPORATION ☐ PARTNERSHIP ☐ INDIV. OWNERSHIP

ONTARIO INTERNATIONAL AIRPORT FIRESTATION

LOCATION ADDRESS: 2
1230 Tower Drive, Ontario, CA ZIP 91761

LOCATION COUNTY: (CHECK ONE BOX ONLY)
3 LOS ANGELES ☐1 ORANGE ☐2 RIVERSIDE ☐3 SAN BERNARDINO ☒4

MAILING ADDRESS:
4 1230 Tower Drive

MAILING CITY: 5 Ontario
MAILING STATE: 6 CA
MAILING ZIP CODE: 7 91761

APPLICATION TYPE: (CHECK ONE BOX ONLY) OLD ID#
NEW FACILITY ☒1 ALTERATION ☐2 CHANGE OF OWNERSHIP ☐3

8 ALTERATIONS: # Tanks Add 3 Removed ____ # Nozzles ADD 3 Remove ____

BUSINESS TYPE: (CHECK ONE BOX ONLY) ☐4 WITH OTHER SCAQMD PERMITS ☐5
9 RETAIL ☐1 CONSUMER ACCOUNT ☐2 GOVERNMENT AGENCY ☒3

BOARD OF EQUALIZATION NUMBER
SIC CODE: (SEE REVERSE PAGE FOR INSTRUCTION CODES)

NUMBER OF TANKS	12	THRUPUT (LEADED) G/YR		TANK TYPE	☒1
11 GAS ☒	13	THRUPUT (UNLEADED) G/YR	16	See Reverse	☐2
GASOHOL ☐	14	THRUPUT (GASOHOL) G/YR			
DIESEL ☒	15	THRUPUT (DIESEL) G/YR		FILL TYPE	☒1
METHANOL ☐	15a	THRUPUT (METHANOL) G/YR	17	See Reverse	☐2

19 CONTROL TYPE, See Reverse 90 91

NUMBER OF NOZZLES: 18 GASOLINE ONLY 1
20 INSTALLATION DATE: As soon as possible

REQUIRED—VAPOR RECOVERY SYSTEMS (SEE REVERSE PAGE FOR INSTRUCTIONS)
ONLY PHASE I ☐1 ONLY PHASE II ☐2
BOTH PHASE I & II ☒3 exempt ☐5

21
SIGNATURE: John Lanham DATE: APR. 28, 1988
PRINT: JOHN LANHAM

10-5-88 NO RECORD

AQMD USE ONLY

AIR BASIN: 25 COAST ☐1 EAST ☐2
LOG: 26
CO: 27 REGION: 28
PERMIT CODE: 29
CONTROL: BALANCE ☐1 ASSIST ☐2 30
31
INSPECTION CODE: 32
TRANS. DATE: 9/24/89
TRANS. NO.
CHECK NO.
AMOUNT 33
FACILITY NUMBER: 34 074611 4

8/88—Form 400

APPLICATION INSTRUCTIONS FOR
GASOLINE STORAGE & DISPENSING FACILITIES—RULE 461

WHO MUST APPLY FOR A PERMIT:

Any person installing or using one or more gasoline storage tanks with capacities of more than 251 gallons which are filled from tank-truck or trailer. Gasoline is defined as any petroleum distillate with a Reid vapor pressure of 3.9 pounds or more.

WHEN TO APPLY:

Prior to installation or alteration and prior to use if ownership or location is changes.

HOW TO APPLY:

A. Use Form 450 for each facility to be constructed, altered or change of ownership.

B. Except as noted every applicant filing for a permit shall pay a filing fee of $75 at the time the application is filed.
   1. When an application for change of ownership is filed within 12 months from the date of transfer and a permit had previously been granted for such equipment, in lieu of filing fee and initial permit fee, the applicant shall pay only a transfer fee of $75.00 for each permit unit being transferred from on person to another, payable at the time the application is filed.
   2. A fee is not required of a state or local governmental agency or public district.

C. Make checks payable to South Coast AQMD.

D. Fill in blanks and give all information requested on Form 450. Submit the completed form, properly signed by a responsible member of the organization.

E. Any vapor-recovery system being installed must be of a type certified by the California Air Resources Board. Submit drawings that show how the vapor piping is to be installed and give details of dispensing nozzles, vapor-return connectors and vapor-processing systems (if any).

FILL TYPE 17	**INSTRUCTION CODES**										
	1 Phase I Submerged fill	* Vapor recovery during filling of storage containers. * Fill-pipe discharge opening is submerged at a liquid level of 6 inches, or for tank fedded from side, entirely submerged at a liquid level of 18 inches. * Truck discharge connection is located away from the underground tank and the fill-line to the tank has an abrupt mechanical bend.									
	2 Offset fill										
TANK TYPE 16	1 Underground						2 Above Ground				
TYPE VAPOR CONTROL SYSTEM 19	Phase II	Balance Standard	90	Red Jacket Standard	81	Hirt Standard	83	Hasetech	86
		Balance Retractor	91	Red Jacket Retractor	82	Hirt Retractor	84	Healy	87
		Balance Hi Hose	92	Red Jacket Hi Hose	87	Hirt Hi Hose	85	Healy Hi Hose	88
		Exempt	70						

F. If an application for a permit is canceled or is denied and such denial becomes final, the filing fee shall not be refunded nor applied to any subsequent application.

G. Permit fees will be determined by the District in accordance with Rule 301. These fees shall be paid by the applicant within 30 days of notification or the permit will be canceled.

REQUIREMENTS OF RULE 461

Rule 461(a) regulates the transfer of gasoline from delivery trucks to storage tanks and requires installation of submerged fill-pipes and vapor-return connectors. These connectors allow gasoline vapors to be returned from the storage tank to the delivery truck and to be sent to the bulk terminal for processing (Phase I only).

Rule 461(b) regulates the transfer of gasoline into motor vehicle tanks larger than five gallons. A special fill nozzle and vapor piping allow gasoline vapors to be returned from the vehicle fuel tank to the storage tank or to vapor processing equipment (Phase II).

INCOMPLETE APPLICATIONS NOT ACCEPTABLE

Make check payable to 'South Coast AQMD'

RECEIVED
AUG 18 1988
S.C.A.Q.M.D.
MAIL ROOM

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:
INSPECTOR **SECTOR**
ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR ☐ IRS OR ☐ S. S. NUMBER
Federal Aviation Administration

PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS) **Federal Aviation Administration, DTS-SMO Office**

BUSINESS MAILING ADDRESS
3110 W. Empire Avenue, Burbank, CA 91504

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS

TYPE OF ORGANIZATION
☐ Corporation ☐ Limited Partnership ☒ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ Yes ☒ No
AVERAGE ANNUAL GROSS RECEIPTS $
NUMBER OF EMPLOYEES
IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED? ☐ Yes ☒ No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? ☒ Yes ☐ No
ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER OF OWNER
IF NO, ENTER THE LEGAL NAME OF OWNER

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION
Ontario International Airport, 1250 Tower Drive (NUMBER/STREET)
Ontario (CITY OR COMMUNITY) **CA, 91761** (ZIP CODE)

FACILITY NAME
Ontario ASR-9
FACILITY ID NUMBER
102048

PRINT NAME OF CONTACT PERSON
Joseph Dimaggio
TITLE OF CONTACT
Safety and Environmental Compliance Manager (SECM)

TYPE OF BUSINESS AT THIS FACILITY
Air Traffic Control Operations
PRIMARY SIC CODE FOR THIS FACILITY
9 6 2 1
NUMBER OF EMPLOYEES AT THIS FACILITY
0

CONTACT PERSON'S TELEPHONE NUMBER
(818) 567-4633
CONTACT PERSON'S FAX NUMBER
(818) 841-7327
CONTACT PERSON'S E-MAIL ADDRESS
Joseph.Dimaggio@faa.gov

Section III - Application Type

DESCRIPTION OF EQUIPMENT: **Emergency Standby Engine Generator**
PREVIOUS PERMIT #(S):

APPLICATION FOR (SEE INSTRUCTIONS):
☒ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ Yes ☒ No

☒ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

____ 400-E-1	• PARTICULATE MATTER (PM_{10}) CONTROL EQUIPMENT	X 400-E-13	• INTERNAL COMBUSTION EQUIPMENT
____ 400-E-2	• VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT	____ 400-E-14	• OPEN PROCESS TANK
____ 400-E-3	• SCRUBBER	____ 400-E-14a	• OPEN PROCESS TANK; PROCESS LINE
____ 400-E-4	• ABRASIVE BLASTING EQUIPMENT	____ 400-E-15	• PRINTING EQUIPMENT
____ 400-E-6	• DEGREASER	____ 400-E-16	• SOLID MATERIALS STORAGE EQUIPMENT
____ 400-E-7	• DRY CLEANING EQUIPMENT	____ 400-E-17	• SPRAY BOOTH/OPEN SPRAY
____ 400-E-8	• ETHYLENE OXIDE STERILIZER	____ 400-E-17a	• POWDER SPRAY BOOTH
____ 400-E-9	• EXTERNAL COMBUSTION EQUIPMENT	____ 400-E-18	• STORAGE TANK (LIQUID & GASEOUS MAT'L)
____ 400-E-10	• FOOD BROILER/FRYER	____ 400-E-19	• WAVE SOLDER MACHINE
____ 400-E-11	• FUEL DISPENSING AND STORAGE EQUIPMENT	____ 400-E-20	• ASBESTOS REMOVAL EQUIPMENT
____ 400-E-12	• GAS TURBINE	____ NONE	• ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☐ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:
TITLE OF RESPONSIBLE OFFICIAL OF FIRM: **LEAD PROJECT ENGINEER, ANI-930.211**
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: **WARREN YOSHIZUKA**
RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: **(310) 725-7639**
DATE SIGNED: 2/26/02

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:
TITLE OF PREPARER: **EOSH PROFESSIONAL – HAZMAT, ANI-930.C/NISC**
TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: **JAMES B. WATSON**
PREPARER'S TELEPHONE NUMBER: **(310) 725-6927**
DATE SIGNED: 022502

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD USE ONLY	APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
	394250			____/____	$	227-0702

ENG. A R	ENG. A R	CLASS	ASSIGNMENT		ENF.	CHECK/MONEY ORDER AMOUNT
DATE	DATE	I III IV	UNIT	ENGINEER	SECT	# 105 $ 1737.30

5 of 6

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

P O BOX 4944 DIAMOND BAR, CA 91765-0944

EMERGENCY INTERNAL COMBUSTION ENGINE *(EMERGENCY ELECTRICAL GENERATOR)* INFORMATION FOR END USER REGISTRATION PERMIT TO CONSTRUCT/OPERATE TO ACCOMPANY PERMIT APPLICATION FORM 400-A

1 BUSINESS LICENSE NAME **Federal Aviation Administration**

2 ENGINE DESCRIPTION *THIS INFORMATION MUST BE CONSISTENT WITH THE CERTIFIED EQUIPMENT PERMIT (CEP) ISSUED TO THE MANUFACTURER OR DISTRIBUTOR*

MANUFACTURER **John Deere**

MODEL NUMBER **6081AF001**

SERIAL NUMBER **RG6081A391652**

ENGINE MAXIMUM RATING **300 BHP @ 1800 RPM**

PLEASE ATTACH A COPY OF THE CERTIFIED EQUIPMENT PERMIT ISSUED TO THE MANUFACTURER/DISTRIBUTOR

3 Is the equipment located within 1 000 feet from the outer boundary of a school? ☐ Yes **X** No
(If yes complete for all public or private schools grade K – 12 within a ¼ mile radius of the facility property)

a School Name

b School Address

I, THE UNDERSIGNED, HAVE READ AND AGREE TO THE END USER CONDITIONS LISTED ON THE CERTIFIED EQUIPMENT PERMIT I FURTHER UNDERSTAND THAT I WILL BE SUBJECT TO AN ANNUAL OPERATING PERMIT RENEWAL FEE, IN ADDITION TO THE PERMIT PROCESSING FEE, PURSUANT TO DISTRICT RULE 301(d)

THE ABOVE INFORMATION IS SUBMITTED TO DESCRIBE THE EQUIPMENT FOR WHICH APPLICATION FOR PERMIT TO CONSTRUCT/OPERATE IS BEING MADE ON THE ACCOMPANYING FORM 400 A

SIGNATURE OF RESPONSIBLE MEMBER OF FIRM Warren Yoshizuka DATE 2/10/02

TYPE OR PRINT NAME AND OFFICIAL TITLE OF PERSON SIGNING THIS FORM

NAME **Warren Yoshizuka ANI 930 211**

TITLE **Lead Project Engineer**

Form EICE RE (7/1/01)

South Coast Air Quality
Management District
21865 East Copley Drive
Diamond Bar, CA 91765
(909) 396- 2000

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) APPLICABILITY FORM 400 - CEQA

The SCAQMD is required by state law, the California Environmental Quality Act (CEQA), to review discretionary permit project applications for potential air quality and other environmental impacts This form is a screening tool to assist the SCAQMD in clarifying whether or not the project[1] has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document [CEQA Guidelines §15060(a)] [2] Refer to the attached instructions for guidance in completing this form [3] For each Form 400-A application, also complete and submit one Form 400-CEQA If submitting multiple Form 400-A applications for the same project at the same time, only one 400-CEQA form is necessary for the entire project If you need assistance completing this form, contact Lori Inga at (909) 396-3109

FACILITY INFORMATION

Facility Name FAA - ONT ASR-9 **Facility ID** (6-Digit) _____

Project Description Replace existing diesel-fueled emergency standby engine generator with a Kohler 180ROZJ (John Deere 6081AF001 engine)

REVIEW FOR EXEMPTION FROM FURTHER CEQA ACTION

Check Yes or No ' as applicable

	Yes	No	Is this application for:
A	☐	☒	**A request for a change of permittee only (without equipment modifications)?**
B	☒	☐	**Equipment certification or equipment registration?**
C	☐	☒	**A CEQA and/or NEPA document previously or currently prepared that specifically evaluates this project?** If yes, a permit cannot be issued until a Final CEQA document and Notice of Determination is submitted
D	☐	☒	**Equipment damaged as a result of a disaster during state of emergency?**
E	☐	☒	**A Title V permit renewal (without equipment modifications)?**
F	☐	☒	**A Title V administrative permit revision?**
G	☐	☒	**The conversion of an existing permit into an initial Title V permit?**
H	☐	☒	**A functionally identical permit unit replacement with no increase in rating or emissions?**
I	☐	☒	**A change of daily VOC permit limit to a monthly VOC permit limit?**

If **Yes'** is checked for any question above, your application does not require additional evaluation for CEQA applicability Skip to page 2, SIGNATURES ' and sign and date this form

REVIEW OF IMPACTS WHICH MAY TRIGGER CEQA

Complete Sections I-VI by checking "Yes" or "No" as applicable To avoid delays in processing your application(s), explain all "Yes responses on a separate sheet and attach it to this form

	Yes	No	Section I – General
1	☐	☐	**Has this project generated any known public controversy regarding potential adverse impacts that may be generated by the project?** Controversy may be construed as concerns raised by local groups at public meetings, adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc
2	☐	☐	**Is this project part of a larger project?**
			Section II – Air Quality
3	☐	☐	**Will there be any demolition, excavating, and/or grading construction activities that encompass an area exceeding 20,000 square feet?**
4	☐	☐	**Does this project include the open outdoor storage of dry bulk solid materials that could generate dust?** If Yes, include a plot plan with the application package

[1] A "project" means the whole of an action which has a potential for resulting in physical change to the environment including construction activities cleaning or grading of land improvements to existing structures and activities or equipment involving the issuance of a permit For example a project might include installation of a new or modification of an existing internal combustion engine dry-cleaning facility, boiler, gas turbine spray coating booth, solvent cleaning tank etc

	Yes	No	
5	☐	☐	**Would this project result in noticeable off-site odors from activities that may not be subject to SCAQMD permit requirements?** For example, compost materials or other types of greenwaste (i e , lawn clippings, tree trimmings, etc) have the potential to generate odor complaints subject to Rule 402 – Nuisance
6	☐	☐	**Does this project cause an increase of emissions from marine vessels, trains and/or airplanes?**
7	☐	☐	**Will the proposed project increase the QUANTITY of hazardous materials stored aboveground onsite or transported by mobile vehicle to or from the site by greater than or equal to the amounts associated with each compound on the attached Table 1?[4]**

Section III – Water Resources

8	☐	☐	**Will the project increase demand for water at the facility by more than 5,000,000 gallons per day?** The following examples identify some, but not all, types of projects that may result in a "yes" answer to this question 1) projects that generate steam, 2) projects that use water as part of the air pollution control equipment, 3) projects that require water as part of the production process, 4) projects that require new or expansion of existing sewage treatment facilities, 5) projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project, and 6) projects that require new or expansion of existing water supply facilities
9	☐	☐	**Will the project require construction of new water conveyance infrastructure?** Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities such that the project requires new water lines, sewage lines, sewage hook-ups, etc

Section IV – Transportation/Circulation

10			**Will the project result in** (Check all that apply)
	☐	☐	**a the need for more than 350 new employees?**
	☐	☐	**b an increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round-trips per day?**
	☐	☐	**c increase customer traffic by more than 700 visits per day?**

Section V – Noise

11	☐	☐	**Will the project include equipment with a noise specification GREATER THAN 90 decibels (dB)?**

Section VI – Public Services

12			**Will the project create a permanent need for new or additional public services in any of the following areas** (Check all that apply)
	☐	☐	**a Solid waste disposal?** Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day
	☐	☐	**b Hazardous waste disposal?** Check No ' if the projected potential amount of hazardous wastes generated by the project is less than 42 cubic yards per day (or equivalent in pounds)

**REMINDER *For each Yes" checked in the sections above, attach all pertinent information including but not limited to estimated quantities, volumes, weights, etc* **

SIGNATURE

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE I UNDERSTAND THAT THIS FORM IS A SCREENING TOOL AND THAT THE SCAQMD RESERVES THE RIGHT TO CONSIDER OTHER PERTINENT INFORMATION IN DETERMINING CEQA APPLICABILITY

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM	TITLE OF RESPONSIBLE OFFICIAL OF FIRM	
Warren Yoshizuka	Lead Project Engineer, ANI-930 211	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM	**RESPONSIBLE OFFICIAL S TELEPHONE NUMBER**	**DATE Signed**
Warren Yoshizuka	(310) 725-7639	2/20/02
SIGNATURE OF PREPARER IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM	**TITLE OF PREPARER**	
James B Watson	EOSH Professional - Hazmat	
TYPE OR PRINT NAME OF PREPARER	**PREPARER S TELEPHONE NUMBER**	**DATE Signed**
James B Watson	(310) 725-6927	02/25/02

THIS CONCLUDES FORM 400-CEQA INCLUDE THIS FORM AND THE ATTACHMENTS WITH FORM 400-A

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
P.O. BOX 4944
Diamond Bar, California 91765-0944

FORM 400A

CASH ON HAND

NC/NOV NUMBER _____
INSPECTOR _____ SECTOR _____
ISSUE DATE _____

COMPANY INFORMATION

LEGAL NAME OF APPLICANT: FEDERAL AVIATION ADMINISTRATION — ☐ IRS OR ☐ S.S. NUMBER

PERMIT TO BE ISSUED TO: (SEE INSTRUCTIONS) FEDERAL AVIATION ADMINISTRATION

BUSINESS MAILING ADDRESS: 8665 GIBBS DR., SUITE 100, SAN DIEGO, CA 92123-1748

TYPE OF ORGANIZATION
☐ CORPORATION ☐ LIMITED PARTNERSHIP ☑ GOVERNMENT ENTITY
☐ INDIVIDUAL ☐ GENERAL PARTNERSHIP ☐ OTHER _____

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ YES ☑ NO
AVERAGE ANNUAL GROSS RECEIPTS:
NUMBER OF EMPLOYEES:
IS YOUR BUSINESS 51 PERCENT OR MORE WOMAN/MINORITY OWNED? (OPTIONAL) ☐ YES ☐ NO

ARE ALL FACILITIES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL RULES? ☐ YES ☐ NO

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☑ YES ☐ NO ☐ IRS OR ☐ S.S. NUMBER OF THE OWNER

IF NO, ENTER LEGAL NAME OF OWNER

FACILITY INFORMATION

EQUIPMENT ADDRESS/LOCATION: 1250 TOWER DR. (NUMBER / STREET)
CITY OR COMMUNITY: ONTARIO CA 91761 (ZIP CODE)

FACILITY NAME: ONT/ASR-9
FACILITY ID NUMBER (SEE INSTRUCTIONS): 102048 pm 7/1/94

CONTACT PERSON AND TITLE: WINSTON L. SLOAN
CONTACT TELEPHONE NUMBER: 619 557-5029
NUMBER OF EMPLOYEES AT THIS FACILITY:

TYPE OF BUSINESS AT THIS FACILITY: FAA RADAR
BUSINESS TYPE CODE (SEE INSTRUCTIONS):
IS THERE A SCHOOL WITHIN 1,000 FEET OF YOUR PROPERTY? YES ☐ NO ☑

EQUIPMENT INFORMATION

EQUIPMENT DESCRIPTION (SEE INSTRUCTIONS): EMERGENCY ENGINE GENERATOR

APPLICATION FOR: (SEE INSTRUCTIONS)
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☑ EXISTING EQUIPMENT OPERATING WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ YES ☐ NO

HAVE YOU BEEN ISSUED A NOTICE TO COMPLY (NC) OR A NOTICE OF VIOLATION (NOV) FOR THIS EQUIPMENT? ☑ YES ☐ NO
NC NUMBER: A10542 NOV NUMBER: NOTICE ISSUE DATE: 1-27-94
NUMBER OF EMPLOYEES NEEDED TO OPERATE THIS EQUIPMENT: 1

IF THE EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF PERMITTEE:
PREVIOUS PERMIT NUMBER:

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED COST OF:
BASIC EQUIPMENT $
AIR POLLUTION CONTROL EQUIPMENT $

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED START DATE:
ESTIMATED COMPLETION DATE:

FOR CHANGE OF PERMITTEE, LOCATION OR CONDITION, ENTER DATE OF OCCURRENCE:
FOR EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT, ENTER INITIAL OPERATION DATE:

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? ☐ YES ☑ NO
IF YES, ENTER NAME: AND SUBMIT A COPY IF APPROVED
DO YOU CLAIM CONFIDENTIALITY OF DATA? (SEE INSTRUCTIONS) ☐ YES ☐ NO

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT

SIGNATURE
OFFICIAL TITLE OF SIGNER: SEAM
TYPE OR PRINT NAME OF SIGNER: WINSTON L. SLOAN
TELEPHONE NUMBER: 619 557-5029
DATE: 3-8-94

APPLICATION NUMBER	TYPE	EQUIPMENT CATEGORY NUMBER	ASSIGNMENT	CLASS	EMIS. REDUCT.
294269	10	24322	VISIT ENGINEER	I II IV	

ENGR. A R DATE INITIAL	ENGR. A R DATE SERIAL	RECOMMENDED	VALIDATION	CHECK OR MONEY ORDER NUMBER AMOUNT
4/13		A	6-30-94 86	5128488 234.55

DISTRIBUTION: WHITE - ENGINEERING CANARY - ENFORCEMENT PINK - APPLICANT

8128323-117455.2818 / 8128488 10/12

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

INTERNAL COMBUSTION ENGINE INFORMATION TO ACCOMPANY PERMIT APPLICATION FORM 400-A

(SEE REVERSE SIDE FOR APPLICATION INSTRUCTIONS)

1. BUSINESS LICENSE NAME: FEDERAL AVIATION ADMINISTRATION

2. ENGINE MANUFACTURER, MODEL NUMBER & SERIAL NUMBER: (ATTACH MANUFACTURER'S CATALOG)
Cummins 6CT8.3-G Serial # 0000-0001-68

3. UTILIZATION OF ENGINE: (CHECK ALL BOXES WHICH APPLY)
[X] ELECTRICAL GENERATOR [ ] FIRE PUMP [ ] RENTAL
[ ] COMPRESSOR DRIVER [ ] FLOOD CONTOL [ ] PORTABLE
[ ] PUMP DRIVER [ ] OTHER _____

4. ENGINE DESCRIPTION: NUMBER OF CYLINDERS: 6
[ ] TWO CYCLE OR [X] FOUR CYCLE
[ ] LEAN BURN OR [ ] RICH BURN
[X] TURBOCHARGED [ ] TURBOCHARGED/AFTERCOOLED [ ] NATURALLY ASPIRATED

5. FUEL INFORMATION: AIR TO FUEL RATIO _____
[ ] NATURAL GAS [ ] GASOLINE [ ] LPG [X] DIESEL OIL
[ ] DIGESTER GAS [ ] LANDFILL GAS [ ] OTHER _____
SULFUR CONTENT OF DIGESTER GAS, LANDFILL GAS OR DIESEL: _____

6. MAXIMUM RATED FULL LOAD FUEL CONSUMPTION: _____ (GAL/HR) OR _____ (CU.FT/HR)
AVERAGE LOAD PERCENTAGE: _____ %

7. ENERGY RECOVERY FROM EXHAUST: [ ] YES [X] NO
IF YES, PLEASE EXPLAIN:

8. ENGINE SIZE (MANUFACTURER'S RATING): 138 BHP @ 1800 RPM

9. EMISSION CONTROL DEVICE: [ ] YES [X] NO
IF YES, PLEASE SPECIFY:

10. EMISSION DATA

POLLUTANTS	EMISSION BEFORE CONTROL GR/BHP HR	PPM	LB/DAY	EMISSION AFTER CONTROL GR/BHP HR	PPM	LB/DAY
ROG						
NOX						
CO						
PM						

[X] MANUFACTURER DATA (SEE ATTACHED) [ ] SOURCE TEST DATE _____ (PLEASE PROVIDE COPY)

11. STACK OR VENT DATA:
DIMENSIONS: HEIGHT ABOVE GRADE _____ (FT) HEIGHT ABOVE BUILDING _____ (FT)
CROSS SECTION*: DIAMETER _____ (IN) OR WIDTH _____ (IN) LENGTH _____ (IN)
EXHAUST TEMPERATURE _____ (°F)
STACK SERVES: a. [ ] ONLY THIS EQUIPMENT EXHAUST FLOW RATE _____ (CFM)
b. [ ] OTHER EQUIPMENT ALSO** TOTAL FLOW RATE _____ (CFM)
* MEASURED AT THE ATMOSPHERIC EXHAUST OPENING EXHAUST PRESSURE _____ (INCHES H_2O)
**IF THIS ITEM IS CHECKED, SUBMIT TYPE AND RATING OF ALL OTHER EQUIPMENT EXHAUSTED THROUGH THIS VENT OR STACK.

12. OPERATING SCHEDULE: 0.5 (HR/DAY) 1 (DAYS/WEEK) 52 (WEEKS/YEAR)
MAXIMUM OPERATING HOURS: _____ (HR/DAY)
[X] EMERGENCY ONLY (INDICATE HRS OPERATED FOR TESTING & MAINTENANCE) 20

THE ABOVE INFORMATION IS SUBMITTED TO DESCRIBE THE USE OF THE EQUIPMENT FOR WHICH APPLICATION FOR PERMIT IS BEING MADE ON THE ACCOMPANYING FORM 400-A

SIGNATURE OF RESPONSIBLE MEMBER OF FIRM: _____ DATE 3-8-94

TYPE OR PRINT NAME AND OFFICIAL TITLE OF PERSON SIGNING THIS DATA FORM

NAME: WINSTON L. SLOAN

TITLE: SECM

400-C-28

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

PERMIT NO. M96781
A/N 214395
PAGE 1

THIS INITIAL PERMIT MUST BE RENEWED BY 3/16 ANNUALLY UNLESS THE EQUIPMENT IS MOVED, OR CHANGES OWNERSHIP. IF THE BILLING FOR ANNUAL RENEWAL FEE (RULE 301.F) IS NOT RECEIVED BY THE EXPIRATION DATE, CONTACT THE DISTRICT.

LEGAL OWNER OR OPERATOR: LA CITY, ONTARIO INT'L AIRPORT FIRE DEPT
CO. ID.: 074611
SECTOR: SH

EQUIPMENT LOCATED AT: 1230 TOWER DR
ONTARIO, CA 91761

EQUIPMENT DESCRIPTION:
FUEL STORAGE AND DISPENSING FACILITY CONSISTING OF:

1. ONE — UNDERGROUND GASOLINE STORAGE TANK(S), (EACH) 0 GALLON CAPACITY, METHANOL COMPATIBLE
2. ONE — GASOLINE DISPENSING NOZZLES VENTED TO VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR
3. ONE — UNDERGROUND DIESEL STORAGE TANK(S), (EACH) 0 GALLON CAPACITY, NOT METHANOL COMPATIBLE
4. ONE — DIESEL DISPENSING NOZZLES.

FILE COPY

PERMIT CONDITIONS:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. AT LEAST ONE FUEL STORAGE TANK AT THIS FACILITY MUST BE METHANOL COMPATIBLE AND MUST BE U.L. APPROVED FOR METHANOL USE.
4. ANY SEALS, FITTINGS, AND PIPING WHICH WILL CONTACT, CONTAIN OR TRANSFER METHANOL IN UNDERGROUND PIPING TO AND FROM THE METHANOL COMPATIBLE STORAGE TANK MUST BE METHANOL COMPATIBLE.
5. ANY SEALS AND FITTINGS WHICH ARE INSTALLED IN ABOVE-GROUND PIPING IN DISPENSERS OR IN OTHER EQUIPMENT WHICH CAN BE EASILY CHANGED NEED NOT BE METHANOL COMPATIBLE BUT MUST BE CHANGED TO METHANOL COMPATIBLE MATERIALS BEFORE METHANOL IS STORED AND DISPENSED.
6. RECORDS MUST BE MAINTAINED AT THIS FACILITY WHICH CLEARLY MARK AND LOCATE THE POSITION OF THE METHANOL COMPATIBLE STORAGE TANK AND ITS PIPING, AND WHICH ALSO STATE THE TANK MANUFACTURER AND THE DATE OF INSTALLATION.
7. (EXCEPT FOR DIESEL TRANSFERS) PHASE I AND PHASE II VAPOR RECOVERY SYSTEMS MUST BE IN FULL OPERATION WHENEVER THIS FACILITY IS IN USE. SUCH SYSTEMS MUST BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CARB CERTIFICATION REQUIREMENTS.

THIS PERMIT CONCLUDES ON THE NEXT PAGE.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

PERMIT NO. M96781
A/N 214395
PAGE 2

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO CONSTRUCT/OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

APPROVAL OF THE DEPARTMENT OF PUBLIC WORKS, THE DEPARTMENT OF BUILDING AND SAFETY, THE LOCAL FIRE DEPARTMENT AND/OR THE LOCAL TANK LAW IMPLEMENTING AGENCY IS REQUIRED BEFORE CONSTRUCTION IS STARTED.

THIS PERMIT TO CONSTRUCT/OPERATE IS BASED ON THE PLANS, SPECIFICATIONS, AND DATA SUBMITTED AS IT PERTAINS TO THE RELEASE OF AIR CONTAMINANTS AND CONTROL MEASURES TO REDUCE AIR CONTAMINANTS. NO APPROVAL OR OPINION CONCERNING SAFETY AND OTHER FACTORS IN DESIGN, CONSTRUCTION OR OPERATION OF THE EQUIPMENT IS EXPRESSED OR IMPLIED.

EXECUTIVE OFFICER

BY RAQUEL PUERTA
11/15/90

FILE COPY

MAILING ADDRESS:
LA CITY, ONTARIO INT'L AIRPORT FIRE DEPT
1230 TOWER DR

ONTARIO, CA 91761

DATE: 11/15/90
ID: 074611
SECTOR: SM

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO CONSTRUCT/OPERATE

Permit No.
F49565
A/N 398250
Page 1

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: FEDERAL AVIATION ADM, ONTARIO
9175 KEARNY VILLA RD
SAN DIEGO, CA 92126

ID 102048

Equipment Location: 1250 TOWER DR , ONTARIO, CA 91761

Equipment Description:

INTERNAL COMBUSTION ENGINE, JOHN DEERE, 6 CYLINDER, "TURBOCHARGED, AFTERCOOLED", MODEL 6081A (300 HP), SERIAL NO. RG6081A391652, 300 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THIS APPLICATION UNDER WHICH A PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3) A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.

4) AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

5) THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.

6) SULFUR CONTENT OF FUEL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 0.05 % BY WEIGHT.

FILE COPY

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

by Dorris M. Bailey /WC01
03/01/2002

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D85129
A/N 294369
Page 1

This initial permit shall be renewed by 1/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: ID 102048

FEDERAL AVIATION ADM, ONTARIO
ATTN: WINSTON L. SLOAN
8665 GIBBS DR, STE 100
SAN DIEGO, CA 92123-1748

Equipment located at: 1250 TOWER DR, ONTARIO, CA 91761

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, TURBOCHARGED, MODEL NO. 6CT8.3-G, SERIAL NO. 0000-0001-68, 6 CYLINDERS, 188 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3 A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.

4. THIS ENGINE SHALL NOT OPERATE MORE THAN 199 HOURS IN ANY ONE YEAR.

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

6. SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 0.05% BY WEIGHT.

FILE COPY

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

NOTICE

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EXECUTIVE OFFICER

By Dorris M. Bailey/gl
8/31/94

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

Permit No.
D84523
A/N 294370
Page 1

PERMIT TO OPERATE

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 102048

Legal Owner or Operator:
FEDERAL AVIATION ADM, ONTARIO
8665 GIBBS DR, STE 100
SAN DIEGO, CA 92123-1748

Equipment Location: 1250 TOWER DR, ONTARIO, CA 91761

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, TURBOCHARGED, MODEL NO. 6CT8.3-G, SERIAL NO. 0125-0121-85, 6 CYLINDERS, 188 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

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4. THIS ENGINE SHALL NOT OPERATE MORE THAN 199 HOURS IN ANY ONE YEAR.

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

6. SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 0.05% BY WEIGHT.

FILE COPY

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

NOTICE

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EXECUTIVE OFFICER

By Dorris M. Bailey/hm
8/03/1994

FILE COPY

shannon environmentalsupportservices.com

From: swalkowiak@aqmd.gov
Sent: Friday, September 10, 2021 12:59 PM
To: shannon environmentalsupportservices.com
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1407972, -- Acknowledgement Letter



Shannon Castagno

Environmental Support Services

30251 Golden Lantern E305

Laguna Nigel, Ca 92677

Ref: Request for Records; Control No. **1407972**, Received 9/2/2021

RE: APPL'S, P/O'S, EQL'S, NOV'S, N/C'S, COMPLAITS, I/R'S, & EMISSION SUM FOR ONTARIO AIRPORT PROPERTY, 2500 JARUPA ST, ONTARIO, CA, FROM 1/1/1900-9/2/2021.

Your request for records has been received by the Public Records Unit and has been assigned for processing.

Your request in whole or in part, seeks disclosable public records that are in the possession of this agency. We expect to provide the records in 0-30 Days.

DUE TO COVID-19 YOUR REQUEST CAN BE DELAYED.

When your requested records are ready, they will be sent electronically to your email address unless other arrangements are made or necessary.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of 8:00 a.m. 4:30 p.m. Please reference your Control Number listed above in all communications and correspondence.

Sincerely,

Stacey Walkowiak

For Colleen Paine

Public Records Coordinator

Information Management

shannon environmentalsupportservices.com

From: swalkowiak@aqmd.gov
Sent: Friday, September 10, 2021 12:59 PM
To: shannon environmentalsupportservices.com
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1407974, -- Acknowledgement Letter

South Coast Air Quality Management District

Shannon Castagno

Environmental Support Services

30251 Golden Lantern E305

Laguna Nigel, Ca 92677

Ref: Request for Records; Control No. **1407974**, Received 9/2/2021

RE: APPL'S, P/O'S, EQL'S, NOV'S, N/C'S, COMPLAINTS, I/R'S, & EMISSION SUM FOR ONTARIO AIRPORT PROPERTY, 1801, 1922, 1923, 2132, 2161, 2264, 2475 AVION ST/PL, ONTARIO, CA, FROM 1/1/1900-9/2/2021.

Your request for records has been received by the Public Records Unit and has been assigned for processing.

Your request in whole or in part, seeks disclosable public records that are in the possession of this agency. We expect to provide the records in 30-60 Days.

DUE TO COVID-19 YOUR REQUEST CAN BE DELAYED.

When your requested records are ready, they will be sent electronically to your email address unless other arrangements are made or necessary.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of 8:00 a.m. 4:30 p.m. Please reference your Control Number listed above in all communications and correspondence.

Sincerely,

Stacey Walkowiak

For Colleen Paine

Public Records Coordinator

Information Management

Appendix J

Request for Records Search to the
Regional Water Quality Control Board – Santa Ana Region and
Response Obtained from that Agency

Est. 1988

Environmental Support Services

Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
P) 949.429.3564 | F) 949.429.3563 | E) Shannon@EnvironmentalSupportServices.com
www.EnvironmentalSupportServices.com | EIN# 83-0533710

September 1, 2021

Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Ste 500
Riverside, CA 92501

Attention: LUST/WIP/SLIC/Site Mitigation Divisions

Dear Public Records Request,

Please check for any files/information on the following sites:

Site: "Ontario Airport Property"
Ontario, CA
(See Attached Address List & Site Map))

I would like to set up an appointment to review this file **as soon as possible**. Anything you can do to expedite this request would be greatly appreciated. Please call me at (949) 429-3564. Thanks!

Sincerely,
Environmental Support Services

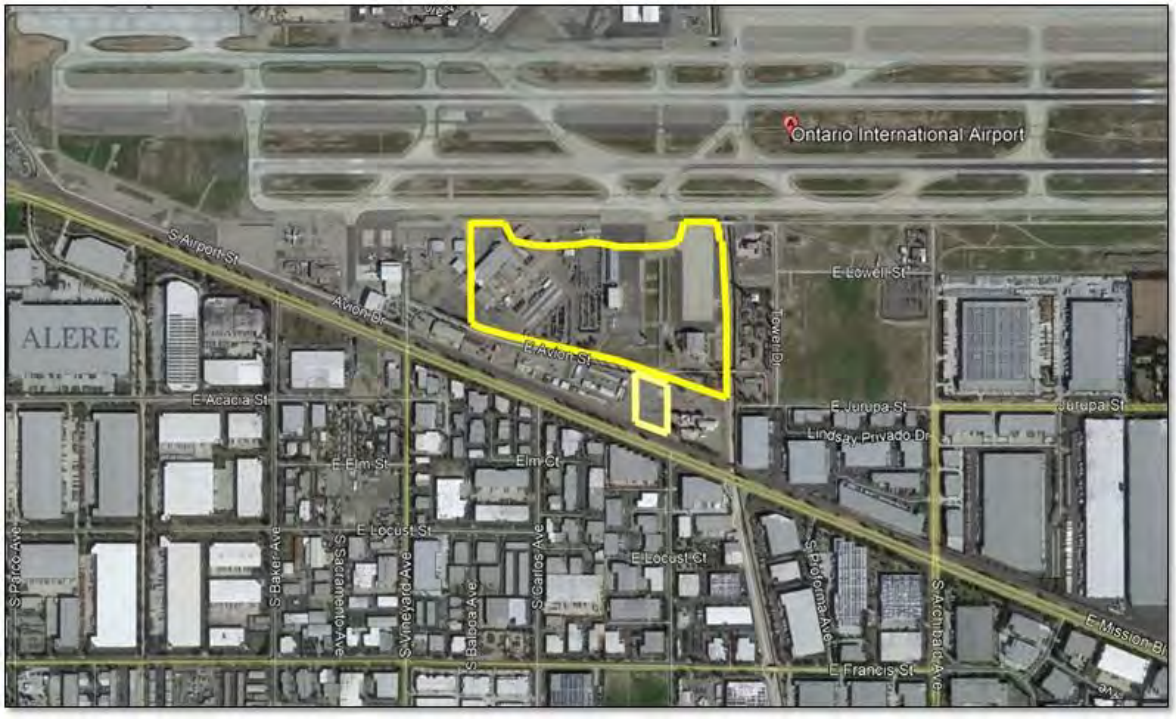
Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

Please let us know if you have any questions.

- 1049 South Vineyard Avenue
- 1280 South Tower Drive
- 1801 East Avion Drive
- 1922 East Avion Street
- 1923 East Avion Street (also Drive and Place)
- 2132 Avion (Also East Avion Street)
- 2161 East Avion Street
- 2264 East Avion Street (also Place)
- 2475 East Avion Street
- 2500 Jarupa Street
- 1230 Tower Drive
- 1250 Tower Drive

The parcels associated with the property are as follows:

- Parcel 61/ APN 011326106 (approximately 38 acres)
- Parcel 62/ APN 011326107 (approximately 15 acres)
- Parcel 63/ APN 011326108 (approximately 2 acres)
- Parcel 67/ APN 011327101 (approximately 9 acres)
- Parcel 68/ APN 011327102 (approximately 11 acres)



shannon environmentalsupportservices.com

From: WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov>
Sent: Tuesday, September 14, 2021 6:25 AM
To: shannon environmentalsupportservices.com
Subject: RE: New Public Records Request

Good morning Shannon,

That is correct. We have 8 hardcopy folders for 2264 East Avion Place, Ontario, CA. Please contact us through this inbox if you would like to schedule an appointment to review files M-F 8:30-4:30.

Thank you,
File Review Desk
3737 Main St. Suite 500
Riverside, CA 92501

From: shannon environmentalsupportservices.com <shannon@environmentalsupportservices.com>
Sent: Monday, September 13, 2021 9:33 AM
To: WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov>
Subject: RE: New Public Records Request

EXTERNAL:

Good morning, I would like to try to get clarification on the below email. If I am reading it correctly you have files on Geo tracker, stormwater files available online and paper files for 2264 East Avion Place, Ontario, CA. If that is correct could you let me know how large the files are that you have. My client is debating on whether they would like to review them or send a copy service in to scan them.

Thank you and have a great day 😊

Sincerely,
Shannon Castagno
Project Manager
Tel) 949-429-3564
Fax) 949-429-3563
http://EnvironmentalSupportServices.com

From: WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov>
Sent: Monday, September 13, 2021 8:45 AM
To: shannon environmentalsupportservices.com <shannon@environmentalsupportservices.com>
Subject: RE: New Public Records Request

Good morning,

After careful review of our records, we show we have no files for the following site(s):

1049 South Vineyard Avenue
1280 South Tower Drive
1801 East Avion Drive
1922 East Avion Street
2132 Avion (Also East Avion Street)
2161 East Avion Street
2475 East Avion Street
1230 Tower Drive
1250 Tower Drive

All responsive records for **1923 East Avion Street** can be found on GeoTracker using the following link:
GeoTracker (ca.gov)GeoTracker (ca.gov)

2264 East Avion Place Ontario can be found on GeoTracker using the following link:
https://geotracker.waterboards.ca.gov/profile_report?global_id=T0607100233
GeoTracker (ca.gov)

We have Storm Water information that can be accessed online by:
• Clicking this link
https://smarts.waterboards.ca.gov/smarts/PublicDataAccess/PublicNoiSearch.xhtml
• Enter street number into" Facility/Site Street:" Field
• Enter the site city (e.g. "Irvine") into "Facility/ Site City:" Field
• Click on black underlined links to view attachments

We have hardcopy files available for review.

Please contact us through this inbox if you would like to schedule an appointment to review files **Wednesday, September 15, 2021.**

After careful review of our records, we show we have Storm Water information for the following site:
2500 Jurupa Street, Ontario

The requested record can be accessed online by:
• Clicking this link
https://smarts.waterboards.ca.gov/smarts/PublicDataAccess/PublicNoiSearch.xhtml
• Enter street number into" Facility/Site Street:" Field
• Enter the site city (e.g. "Irvine") into "Facility/ Site City:" Field
• Click on black underlined links to view attachments

If we can be of further assistance, please do not hesitate to contact us again.

Thank you,
File Review Desk
3737 Main St. Suite 500
Riverside, CA 92501

From: shannon environmentalsupportservices.com <shannon@environmentalsupportservices.com>
Sent: Wednesday, September 1, 2021 6:59 PM
To: WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov>
Subject: New Public Records Request

EXTERNAL:

Environmental Support Services
Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
Tel) 949-429-3564 • Fax) 949-429-3563
www.EnvironmentalSupportServices.com • Info@EnvironmentalSupportServices.com

September 1, 2021

Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Ste 500
Riverside, CA 92501

Attention: LUST/WIP/SLIC/Site Mitigation Divisions

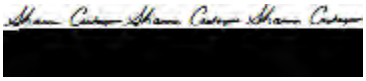
Dear Public Records Request,

Please check for any files/information on the following sites:

Site: "Ontario Airport Property"
Ontario, CA
(See Attached Address List & Site Map))

I would like to set up an appointment to review this file **as soon as possible**. Anything you can do to expedite this request would be greatly appreciated. Please call me at (949) 429-3564. Thanks!

Sincerely,
Environmental Support Services



Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

Safety Data Sheet

Section 1 – Chemical Products and Company Identification

Product Names: BioSolve® Pinkwater®

Product Uses: Remediation of hydrocarbon (oil, fuel, petrochemical) contamination, including: impacted soils, suppression of VOCs, decontamination of equipment and protective clothing, and surface washing

Manufacturer:
The BioSolve Company
24 Victory Lane
Dracut, MA 01826 USA

Contact Information:

+1 (800) 225-3909	US, Canada, Mexico and Puerto Rico
+1 (781) 482-7900	All other locations

Section 2 – Hazards Identification

Health Hazards:

Eye Contact:	Causes transient eye irritation
Skin Contact:	May cause mild, transient irritation
Ingestion:	May be harmful if swallowed; can cause gastrointestinal irritation, nausea, vomiting and/or diarrhea

Hazard Mitigation: Wear protective gloves and eye/face protection
Avoid prolonged breathing of spray

Environmental Hazards: Moderately toxic to aquatic life. Avoid discharge to storm drains and waterways

GHS Classification: Toxic to aquatic life, Acute Category 2

Section 3 – Composition/Information on Ingredients

Proprietary formulation with nonionic surfactants (32% active ingredients in water)

BioSolve products contain no caustic, d-limonene or hydrocarbon solvents.

BioSolve products do not contain any hazardous ingredients as defined by CERCLA, Massachusetts Right to Know Law and California Prop 65. All ingredients are TSCA compliant.

Section 4 – First Aid Measures

Eyes: Immediately flush eyes with water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Seek medical attention for lasting irritation.

Skin: Rinse exposed area and wash with mild soap and water for several minutes. Seek medical attention if irritation develops.

Ingestion: Seek medical attention in the event of serious or persistent abdominal discomfort, nausea or diarrhea.

Inhalation: Inhalation of concentrated vapors resulting from spraying or heating in confined or poorly ventilated areas may cause irritation of nose and throat. Remove person to fresh air and seek medical attention if irritation persists.

Section 5 – Fire Fighting Measures

Suitable Extinguishing Media: None required; BioSolve products are non-flammable

Special Protective Equipment for Firefighters: None necessary

Unusual Fire or Explosive Hazards: None

Section 6 – Accidental Release Measures

In case of accidental release, breakage or leakage: Eliminate or contain source with inert material, such as sand, earth, absorbent pads, etc. Transfer liquid to suitable containers for recovery, re-use or disposal. Wipe up or mop up using water. Hard surfaces (e.g., floors, driveways) may be slippery; use care to avoid falling.

Rinse area with water. Avoid flow of run-off to surface waters. Always check with local regulations before discharging effluent to storm drains or sewers.

Section 7 – Handling and Storage

Handling: Minimize periods of exposure to extreme temperatures. Keep from freezing. If frozen, separation may occur; thaw and stir thoroughly prior to use. Freezing will not affect product performance.

Precautions: Chemical resistant gloves and eye protection are recommended while mixing and using.

Incompatibilities: Avoid contact with strong acids or strong oxidants.

Storage: Recommended storage temperature: 35º – 120º F (1º – 48º C).

Shelf Life: If unopened, more than 10 years.

Section 8 – Exposure Controls / Personal Protection

Eyes Protection: Safety glasses; chemical goggles or face shield recommended when spraying to protect against backsplash and drift.

Skin Protection: Rubber or latex gloves recommended.

Respiratory Protection: None required, except if application results in significant misting of product. If so, use of an approved air purifying respirator is recommended.

Engineering Controls: For indoor use or for use in a confined space, normal ventilation is generally satisfactory.

Section 9 – Physical and Chemical Properties

Appearance: Deep red

Odor: Mild, pleasant sassafras fragrance

Concentration: ~32% active ingredients as sold

Boiling Point	265ºF/129ºC	**Vapor Pressure mm/Hg**	Not available
Melting/Freezing Point	28ºF/-2ºC	**Vapor Density (Air=1)**	Not available
Flash Point	Non-flammable	**Surface Tension***	29 Dyne/cm @25ºC
Flammability Limits	Not applicable	**Viscosity (concentrate)**	490 centipoise
Reactivity with Water	None	**Viscosity (6% solution)**	1.5 centipoise
Evaporation Rate	Not determined	**Solubility in Water**	100%
Specific Gravity	1.01 gms/cc	**VOC Content**	Not determined
	8.43 lbs/U.S. gal	**pH**	9

*6% solution

Section 10 – Stability and Reactivity

Chemical Stability: Stable; will not decompose if used according to manufacturer's directions.

Conditions to Avoid: Prolonged exposure to heat may cause product degradation. Freezing should also be avoided as discussed in Section 7.

Incompatible Materials: Normally unreactive. Avoid strong alkalis, strong acids, strong oxidizing agents and materials with reactive hydroxyl compounds. These materials could damage the product and reduce its effectiveness during application.

Hazardous Decomposition Products: None are known.

Hazardous Polymerization: Will not occur.

Section 11 – Toxicological Information

Overview: No adverse acute or chronic health effects expected if product used in accordance with manufacturer's directions.

Carcinogenicity: No ingredient has been shown to cause cancer in laboratory animals.

Specific Organ Toxicity: None are known.

Section 12 – Ecological Considerations

Persistence and Degradability: The total of the organic components contained in this product is not classified as readily biodegradable (OECD-301 A-F). However, this product is inherently biodegradable with 60% degradation in 28 days (OECD-301B) and estimated >95% degradation in 120 days.

Bioaccumulation Potential: The bioaccumulation factor in fish has been estimated to be low, ranging from 87 to 344.

Mobility: No data available

Aquatic Toxicity:

LC_{50} of Concentrate (As shipped)		
Mysidopsis bahia	48-hours	3.6 mg/L
Menidia beryllina	96-hours	6.4 mg/L
LC50 of 3% Dilute Solution (As Used)		
Mysidopsis bahia	48-hours	185 mg/L
Menidia beryllina	96-hours	247 mg/L
LC50 of 6% Dilute Solution (As Used)		
Daphnia magna	48-hours	287 mg/L
Pimephales promelas	96-hours	124 mg/L
Onchorhynchus mykiss	96-hours	177 mg/L

Section 13 - Disposal

DO NOT DUMP INTO STORM DRAINS OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. As manufactured, BioSolve products do not meet the definition of a hazardous waste. Small quantities of unused and uncontaminated product may be discharged to a qualified wastewater treatment facility. Always obtain approval from local and Federal regulatory agencies prior to discarding this product into public sewers.

As your supplier, we have no control over your handling and use of this product. However, the intended use of this product as a remediation and/or surface washing agent may produce wastewater containing emulsified or dispersed hydrocarbons that may be classified as a hazardous waste and should be treated and disposed of accordingly.

Section 14 – Transportation Information

USDOT Freight Class 55 (Liquid Cleaning Compound, Non-Hazardous)
This product is not regulated by USDOT or Canadian TDG when shipped domestically by land.

North American Industry Classification System (NAICS) # 325613

U.S. ITC, Harmonized Tariff Schedule B Classification: 3402.90.30.00

Section 15 – Regulatory Information

This product is considered non-hazardous as defined by CERCLA, according to OSHA, Massachusetts Right to Know Law and California Prop 65.

Toxic Substances Control Act: All components of this product are on the TSCA inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

CEPA – Domestic Substances List: All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or not required to be listed.

Canadian CPR Compliance: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR

WHMIS Classification: D2B Eye or skin irritant

Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with Federal, state or provincial and local laws.

Section 16 – Other Information

HMIS Rating	Health Hazard:	1 (Eye/Skin Irritant)
	Fire Hazard:	0
	Reactivity:	0
	Personal Protective Equipment:	Rubber gloves, safety glasses or face shield
NFPA Rating	Health:	1 (Eye/Skin Irritant)
	Flammability:	0
	Reactivity:	0
	Other Hazard:	None

BioSolve Pinkwater is on the US Environmental Protection Agency's NCP Product Schedule. This listing does NOT mean that EPA approves, recommends, licenses, certifies or authorizes the use of BioSolve Pinkwater on an oil discharge. This listing means only that data have been submitted to EPA as required by Subpart J of the National Contingency Plan, 40 CFR Section 300.915.

SDS Effective Date: January 1, 2018

The information contained herein is accurate to the best of our knowledge. The BioSolve Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or application or in combination with other substances.

For more information, visit: www.biosolve.com

shannon environmentalsupportservices.com

From: CALFIRE PRA Records Center <calfire@govqa.us>
Sent: Wednesday, September 15, 2021 3:38 PM
To: shannon environmentalsupportservices.com
Subject: [Records Center] Public Records Request :: R001948-090121

--- Please respond above this line ---

RE: PUBLIC RECORDS REQUEST of September 01, 2021, Reference # R001948-090121.

Dear Ms. Castagno,

CAL FIRE received a public information request from you on September 01, 2021. Your request mentioned:

“Site: : “Ontario Airport Property”, Ontario, CA (See Attached Address List & Site Map). ESS requests the following information concerning the subject site which your agency may have on file: 1. utilization, manufacture, storage, or discharge of hazardous materials/waste. 2. previous or on-going site investigations/remediations pertaining to hazardous materials/waste. 3. hazardous materials disclosures concerning the site. 4. pipelines. 5. information regarding underground storage tank present or previously found at the site. 6. Reportable Spills, Releases, Notices of Violations (NOVs) and any Environmental Reportable Issues.”

CAL FIRE has reviewed its files and has located responsive records to your request. Please log in to the CALFIRE PRA Records Center at the following link to retrieve the appropriate responsive documents.

Public Records Request - R001948-090121

If you have any questions, or wish to discuss this further, please contact me anne.henigan@fire.ca.gov.

Sincerely,
Anne Henigan

PRA Coordinator
Sacramento - HQ - Legal Office

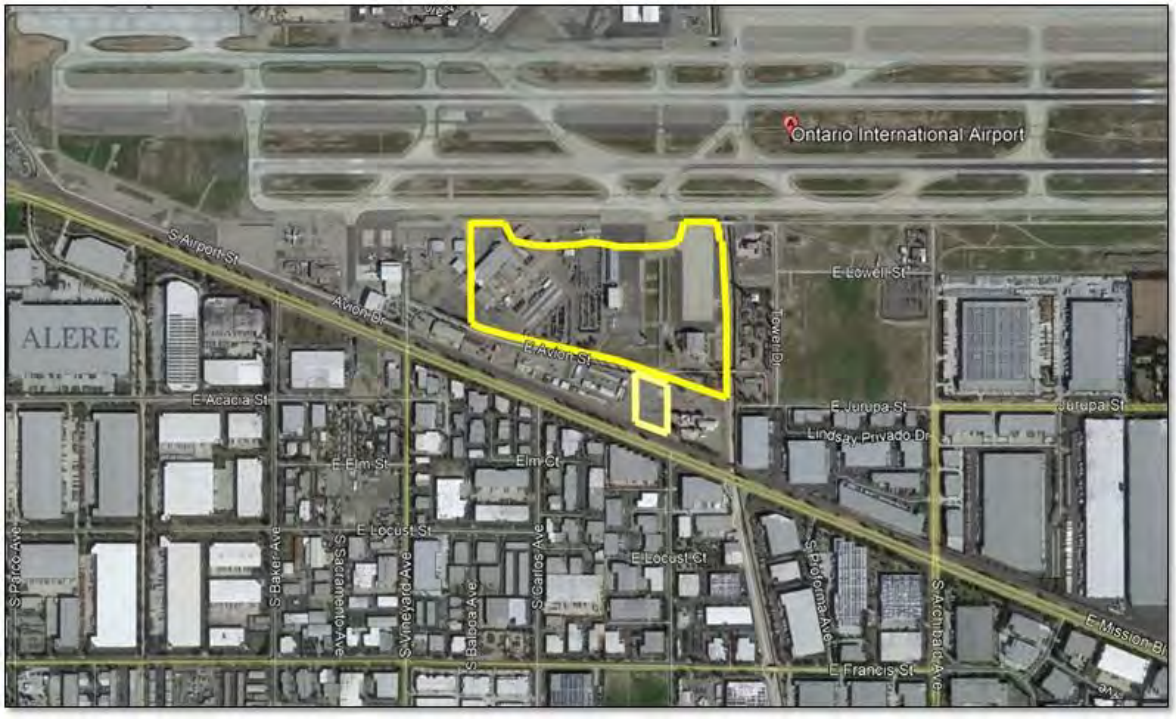
To monitor the progress or update this request please log into the CALFIRE PRA Records Center

Please let us know if you have any questions.

- 1049 South Vineyard Avenue
- 1280 South Tower Drive
- 1801 East Avion Drive
- 1922 East Avion Street
- 1923 East Avion Street (also Drive and Place)
- 2132 Avion (Also East Avion Street)
- 2161 East Avion Street
- 2264 East Avion Street (also Place)
- 2475 East Avion Street
- 2500 Jarupa Street
- 1230 Tower Drive
- 1250 Tower Drive

The parcels associated with the property are as follows:

- Parcel 61/ APN 011326106 (approximately 38 acres)
- Parcel 62/ APN 011326107 (approximately 15 acres)
- Parcel 63/ APN 011326108 (approximately 2 acres)
- Parcel 67/ APN 011327101 (approximately 9 acres)
- Parcel 68/ APN 011327102 (approximately 11 acres)



A

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
36170	CA	07/20/2007	S13	0708774	0

NFIRS - 1 Basic

B Location

Address Type	Number/Milepost	Prefix	Street or Highway	Street Type	Suffix
1 - Street addres	2264	East	AVION	Drive	

Apt./Suite/Room	City	State	Zip Code
	ONTARIO	CA	91761

Census Tract

Cross street or directions, as applicable

C Incident Type

413 - Oil or other combu

Incident Type

D Aid Given or Received

Their FDID	Their State	Their Incident Number

N - None

Type Aid Given or Recieved

E1 Dates & Times

Midnight is 0000

	Month	Day	Year	Hour	Min	Seconds
Alarm	07/20/2007			03:41:26		
Arrival	07/20/2007			03:56:31		
Controlled						
Last Unit Cleared	07/20/2007			04:17:12		

E2 Shifts & Alarms

Local Option

Shift or platoon	Alarms	District
C		133

E3 Special Studies

Local Option

Special Study ID#	Special Study Value

F Actions Taken

86 - Investigate

Actions Taken

G1 Resources

[N] Check this box and skip this section if an Apparatus or Personnel form is used.

	Apparatus	Personnel
Suppression	2	8
EMS	0	0
Other	0	0

[N] Check box if resource counts include aid received resources.

G2 Estimated Dollar Losses & Values

LOSSES: Required for all fires if known. Optional for non fires.

Property $

Contents $

PRE-INCIDENT VALUE: Optional

Property $

Contents $

H1 Casualties

	Deaths	Injuries
Fire Service	0	0
Civilian	0	0

H2 Detector

U - Unknown

H3 Hazardous Materials Release

I Mixed Use Property

J Property Use

700 - Manufacturing, processing

K1 Person/Entity Involved

Mr., Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code | Business name (if applicable) | Area Code | Phone Number

K2 Owner

Mr., Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code | Business name (if applicable) | Area Code | Phone Number

A

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
36170	CA	07/20/2007	S13	0708774	0

NFIRS Remarks

Remarks

TITLE:Nelsen's Narrative [CRLF]This was a response for a smell of gas at the location. Arrived on scene and met with the security guard and he indicated that during his rounds he found a small leak at the fuel/water seperator and it smelled like fuel. On investigation found a very small leak that appeared to have been there for some time and was not an immediate problem. There was an odor of the fuel but was not a potential fire problem. The amount of fuild was about 1/3 of a cup in size. I advised the guard to make a report of it to the company and to have the maintenance personnel address the situation.

M Authorization

Officer in charge ID	Signature	Position or rank	Assignment	Month Day Year

Member making report ID	Signature	Position or rank	Assignment	Month Day Year
17216	Frederic Nelsen	C	1	07/20/2007

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
36170	CA	07/20/2007	S13	0708774	0

NFIRS - 9
Apparatus or Resources

B Apparatus or Resource (Use codes listed below)	Dates and Times (Month Day Year Hours/Mins)	Sent (X)	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken
1 ID: ME133 Type: 11	Dispatch: 07/20/2007 03:41 Arrival: Clear: 07/20/2007 03:43	X	4	1 - Suppress	
2 ID: T131 Type: 12	Dispatch: 07/20/2007 03:43 Arrival: 07/20/2007 03:56 Clear: 07/20/2007 04:15	X	4	1 - Suppress	
3 ID: Type:	Dispatch: Arrival: Clear:				
4 ID: Type:	Dispatch: Arrival: Clear:				
5 ID: Type:	Dispatch: Arrival: Clear:				
6 ID: Type:	Dispatch: Arrival: Clear:				
7 ID: Type:	Dispatch: Arrival: Clear:				
8 ID: Type:	Dispatch: Arrival: Clear:				
9 ID: Type:	Dispatch: Arrival: Clear:				
10 ID: Type:	Dispatch: Arrival: Clear:				
11 ID: Type:	Dispatch: Arrival: Clear:				
12 ID: Type:	Dispatch: Arrival: Clear:				
13 ID: Type:	Dispatch: Arrival: Clear:				

A | FDID: 36170 | State: CA | Incident Date (MM DD YYYY): 07/20/2007 | Station: S13 | Incident Number: 0708774 | Exposure: 0 | NFIRS - 10 Personnel

B — Apparatus or Resource | Dates and Times (Month Day Year Hours/Mins) | Sent [X] | Number of People | Use (Check ONE box for each apparatus to indicate its main use at the incident.) | Actions Taken (List up to 4 actions for each apparatus and each personnel.)

1 ID: ME133 | Type: 11

	Month Day Year	Hours/Mins
Dispatch	07/20/2007	03:41:46
Arrival		
Clear	07/20/2007	03:43:43

Sent: X | # of People: 4 | Use: 1 - Suppressi

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken
17012	Crouch, William	ENG	X				
17058	Hopkins, David	FF	X				
16824	Schiller, James	C	X				
16986	Trudeau, William	FF	X				

2 ID: T131 | Type: 12

	Month Day Year	Hours/Mins
Dispatch	07/20/2007	03:43:49
Arrival	07/20/2007	03:56:31
Clear	07/20/2007	04:15:03

Sent: X | # of People: 4 | Use: 1 - Suppressi

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken
16982	Culotta, Donald	ENG	X				
17288	Hill, Charles	FF	X				
17216	Nelsen, Frederic	C	X				
18470	Williams, Scott	FF	X				

3 ID: | Type:

	Month Day Year	Hours/Mins
Dispatch		
Arrival		
Clear		

Sent: | # of People: | Use:

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken

NFIRS - 1 Basic

A

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
36170	CA	08/30/2017	140	1713225	0

B Location

Address Type	Number/Milepost	Prefix	Street or Highway	Street Type	Suffix
1 - Street addres	1049	South	VINEYARD	Avenue	

Apt./Suite/Room	City	State	Zip Code
	Ontario	CA	91762

Census Tract:

Cross street or directions, as applicable:

C Incident Type

413 - Oil or other combu

Incident Type

D Aid Given or Received

Their FDID	Their State	Their Incident Number

N - None

Type Aid Given or Recieved

E1 Dates & Times

Midnight is 0000

	Month	Day	Year	Hour	Min	Seconds
Alarm	08/30/2017			11:48:30		
Arrival	08/30/2017			11:54:14		
Controlled						
Last Unit Cleared	08/30/2017			12:00:39		

E2 Shifts & Alarms

Local Option

Shift or platoon	Alarms	District
A		O-A

E3 Special Studies

Local Option

Special Study ID#	Special Study Value

F Actions Taken

43 - Hazardous materials spill control and confinement

Actions Taken

G1 Resources

[Y] Check this box and skip this section if an Apparatus or Personnel form is used.

	Apparatus	Personnel
Suppression	2	2
EMS	2	7
Other	1	1

[N] Check box if resource counts include aid received resources.

G2 Estimated Dollar Losses & Values

LOSSES: Required for all fires if known. Optional for non fires.

Property	$ 0
Contents	$ 0

PRE-INCIDENT VALUE: Optional

Property	$ 0
Contents	$ 0

H1 Casualties

	Deaths	Injuries
Fire Service	0	0
Civilian	0	0

H2 Detector

H3 Hazardous Materials Release

5 - Diesel fuel/fuel oil - vehicle f

I Mixed Use Property

J Property Use

579 - Motor vehicle or boat sales, services, re

K1 Person/Entity Involved

Mr., Ms., Mrs.	First Name	MI	Last Name	Suffix
	Kyle		Stephens	

Number	Prefix	Street or Highway	Street Type	Suffix
1049	South	VINEYARD	Avenue	

Post Office Box	Apt./Suite/Room	City
		ONTARIO

State	Zip Code	Business name (if applicable)	Area Code	Phone Number
	91762	ASIG	2068532166	

K2 Owner

Mr., Ms., Mrs.	First Name	MI	Last Name	Suffix

Number	Prefix	Street or Highway	Street Type	Suffix

Post Office Box	Apt./Suite/Room	City

State	Zip Code	Business name (if applicable)	Area Code	Phone Number

A

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
36170	CA	08/30/2017	140	1713225	0

NFIRS Remarks

Remarks

Station 10 units responded to a Jet A spill at the ASIG maintenance yard. Upon our arrival the employees were working on the spill and covering with absorbant. The total spill was approximately 5 gallons and the clean up was going to be from a vendor on site.

M

Authorization

Officer in charge ID	Signature	Position or rank	Assignment	Month Day Year
18341	Robert Johnson			08/31/2017

Member making report ID	Signature	Position or rank	Assignment	Month Day Year
18341	Robert Johnson			08/31/2017

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
36170	CA	08/30/2017	140	1713225	0

NFIRS - 9
Apparatus or Resources

B Apparatus or Resource (Use codes listed below)	Dates and Times (Month Day Year Hours/Mins)	Sent (X)	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken
1 ID: B1825 Type: 92	Dispatch: 08/30/2017 11:49 Arrival: Clear: 08/30/2017 11:58	X	1	1 - Suppress	93
2 ID: CA184 Type: 17	Dispatch: 08/30/2017 11:49 Arrival: 08/30/2017 11:54 Clear:	X	1	1 - Suppress	43
3 ID: I1850 Type: 60	Dispatch: 08/30/2017 11:49 Arrival: Clear: 08/30/2017 11:58	X	1	0 - Other	93
4 ID: ME133 Type: 11	Dispatch: 08/30/2017 11:49 Arrival: Clear: 08/30/2017 11:58	X	4	2 - EMS	93
5 ID: MS140 Type: 11	Dispatch: 08/30/2017 11:49 Arrival: 08/30/2017 11:54 Clear: 08/30/2017 12:00	X	3	2 - EMS	43
6 ID: Type:	Dispatch: Arrival: Clear:				
7 ID: Type:	Dispatch: Arrival: Clear:				
8 ID: Type:	Dispatch: Arrival: Clear:				
9 ID: Type:	Dispatch: Arrival: Clear:				
10 ID: Type:	Dispatch: Arrival: Clear:				
11 ID: Type:	Dispatch: Arrival: Clear:				
12 ID: Type:	Dispatch: Arrival: Clear:				
13 ID: Type:	Dispatch: Arrival: Clear:				

A | FDID: 36170 | State: CA | Incident Date (MM DD YYYY): 08/30/2017 | Station: 140 | Incident Number: 1713225 | Exposure: 0 | NFIRS - 10 Personnel

B Apparatus or Resource	Dates and Times (Month Day Year Hours/Mins)	Sent [X]	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken (List up to 4 actions for each apparatus and each personnel.)
1 ID: B1825 Type: 92	Dispatch 08/30/2017 11:49:25 Arrival Clear 08/30/2017 11:58:06	Sent X	1 #	1 - Suppressi	93

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken
16824	Schiller, James		X				

B Apparatus or Resource	Dates and Times (Month Day Year Hours/Mins)	Sent [X]	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken (List up to 4 actions for each apparatus and each personnel.)
2 ID: CA184 Type: 17	Dispatch 08/30/2017 11:49:25 Arrival 08/30/2017 11:54:14 Clear	Sent X	1 #	1 - Suppressi	43

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken
18341	Johnson, Robert		X	43			

B Apparatus or Resource	Dates and Times (Month Day Year Hours/Mins)	Sent [X]	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken (List up to 4 actions for each apparatus and each personnel.)
3 ID: I1850 Type: 60	Dispatch 08/30/2017 11:49:25 Arrival Clear 08/30/2017 11:58:06	Sent X	1 #	0 - Other	93

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken
18723	Calzada, Pete		X				

A | FDID: 36170 | State: CA | Incident Date (MM DD YYYY): 08/30/2017 | Station: 140 | Incident Number: 1713225 | Exposure: 0 | NFIRS - 10 Personnel

B — Apparatus or Resource | Dates and Times (Month Day Year Hours/Mins) | Sent [X] | Number of People | Use (Check ONE box for each apparatus to indicate its main use at the incident.) | Actions Taken (List up to 4 actions for each apparatus and each personnel.)

1 ID: ME133 | Type: 11

		Sent	#	Use	Actions Taken
Dispatch	08/30/2017 11:49:25	X	4	2 - EMS	93
Arrival					
Clear	08/30/2017 11:58:06				

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken
18726	Williams, Ryan		X				
19274	Reyes, Fabian		X				
19879	Meketarian, Chad		X				
16986	Trudeau, William		X				

2 ID: MS140 | Type: 11

		Sent	#	Use	Actions Taken
Dispatch	08/30/2017 11:49:25	X	3	2 - EMS	43
Arrival	08/30/2017 11:54:37				
Clear	08/30/2017 12:00:39				

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken
19295	Marin, Octavio		X				
19224	Johnson, David		X				
19682	Inman, Christopher		X				

3 ID: | Type:

		Sent	#	Use	Actions Taken
Dispatch					
Arrival					
Clear					

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken

NFIRS - 1 Basic

A

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
36170	CA	12/05/2020	140	2019042	0

B Location

Address Type	Number/Milepost	Prefix	Street or Highway	Street Type	Suffix
1 - Street addres	1230	South	TOWER	Drive	

Apt./Suite/Room	City	State	Zip Code
	Ontario	CA	91762

Census Tract:

Cross street or directions, as applicable:

C Incident Type

451 - Biological hazard,

Incident Type

D Aid Given or Received

Their FDID | Their State | Their Incident Number:

N - None

Type Aid Given or Recieved

E1 Dates & Times

Midnight is 0000

	Month	Day	Year	Hour	Min	Seconds
Alarm	12/05/2020			11:04		
Arrival	12/05/2020			11:04:05		
Controlled						
Last Unit Cleared	12/05/2020			14:29:11		

E2 Shifts & Alarms

Local Option

Shift or platoon	Alarms	District
A		O-A

E3 Special Studies

Local Option

Special Study ID# | Special Study Value

F Actions Taken

47 - Decontaminate occupancy or area

Actions Taken

G1 Resources

Y Check this box and skip this section if an Apparatus or Personnel form is used.

	Apparatus	Personnel
Suppression	1	0
EMS	1	4
Other	0	0

N Check box if resource counts include aid received resources.

G2 Estimated Dollar Losses & Values

LOSSES: Required for all fires if known. Optional for non fires.

Property $ 0

Contents $ 0

PRE-INCIDENT VALUE: Optional

Property $ 0

Contents $ 0

H1 Casualties

	Deaths	Injuries
Fire Service	0	0
Civilian	0	0

H2 Detector

H3 Hazardous Materials Release

I Mixed Use Property

J Property Use

888 - Fire station

K1 Person/Entity Involved

Mr., Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code | Business name (if applicable) | Area Code | Phone Number

K2 Owner

Mr., Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code | Business name (if applicable) | Area Code | Phone Number

A

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
36170	CA	12/05/2020	140	2019042	0

NFIRS Remarks

Remarks

ME 133 and HM 133 responded to 1230 S. Tower Dr., Ontario Fire Station 10, for COVID decontamination. I had spoke with Captain Harkins prior to the call for service and discussed pre treatment actions to be taken by station 10 personnel. Upon arrival food and personal items had been cleared of all counters and tables, bedding was cycling through the extractor washing machine, the HVAC system had been turned off, and station personnel were taking final measures to secure personal property. HM 133 personnel and station 10 HM personnel (Harkins, Perdue) donned appropriate PPE (tyvek, N95, and eye protection) and performed a full station wipe down with D7 solution. We wiped all horizontal surfaces and all common touch areas through the entire station. When this was completed HM 133 personnel donned SCBA and utilized an HVLP spray gun to fog the entire station, apparatus bay, shop, and other adjacent rooms with D7 solution, We also wiped and fogged the cab of the apparatus the exposed personnel worked on (K140B). At the conclusion of the fog application I accessed the HAVC air handlers up on the roof, removed all the filters and we turned the system back on. We waited 20 minuets to allow the D7 to neutralize any virus present in the building. HM 133 personnel cleaned and serviced our equipment and went back into service. I advised the station 10 crew to wear gloves and eye protection when wiping up and cleaning the dried D7. P. Calzada Fire Captain ME 133 A, HM 133 A

M Authorization

Officer in charge ID	Signature	Position or rank	Assignment	Month Day Year
18723	Pete Calzada	Fire Capta		12/07/2020

Member making report ID	Signature	Position or rank	Assignment	Month Day Year
18723	Pete Calzada	Fire Capta		12/07/2020

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
36170	CA	12/05/2020	140	2019042	0

NFIRS - 9
Apparatus or Resources

B Apparatus or Resource (Use codes listed below)	Dates and Times (Month Day Year Hours/Mins)	Sent (X)	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken
1 ID: HM133 Type: 93	Dispatch: 12/05/2020 11:04 Arrival: 12/05/2020 11:04 Clear: 12/05/2020 14:29	X	0	1 - Suppress	47
2 ID: ME133 Type: 11	Dispatch: 12/05/2020 11:04 Arrival: 12/05/2020 11:29 Clear: 12/05/2020 14:29	X	4	2 - EMS	47
3 ID: Type:	Dispatch: Arrival: Clear:				
4 ID: Type:	Dispatch: Arrival: Clear:				
5 ID: Type:	Dispatch: Arrival: Clear:				
6 ID: Type:	Dispatch: Arrival: Clear:				
7 ID: Type:	Dispatch: Arrival: Clear:				
8 ID: Type:	Dispatch: Arrival: Clear:				
9 ID: Type:	Dispatch: Arrival: Clear:				
10 ID: Type:	Dispatch: Arrival: Clear:				
11 ID: Type:	Dispatch: Arrival: Clear:				
12 ID: Type:	Dispatch: Arrival: Clear:				
13 ID: Type:	Dispatch: Arrival: Clear:				

NFIRS - 10
Personnel

A

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
36170	CA	12/05/2020	140	2019042	0

B

Apparatus or Resource	Dates and Times (Month Day Year Hours/Mins)	Sent X	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken (List up to 4 actions for each apparatus and each personnel.)
1 ID HM133 Type 93	Dispatch 12/05/2020 11:04:05 Arrival 12/05/2020 11:04:05 Clear 12/05/2020 14:29:11	X	0 #	1 - Suppressi	47

Personnel ID	Name	Rank or Grade	Attend X	Action Taken	Action Taken	Action Taken	Action Taken

Apparatus or Resource	Dates and Times (Month Day Year Hours/Mins)	Sent X	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken (List up to 4 actions for each apparatus and each personnel.)
2 ID ME133 Type 11	Dispatch 12/05/2020 11:04 Arrival 12/05/2020 11:29:04 Clear 12/05/2020 14:29:09	X	4 #	2 - EMS	47

Personnel ID	Name	Rank or Grade	Attend X	Action Taken	Action Taken	Action Taken	Action Taken
20205	Okamura, Thomas	Firefigh	X				
20199	Hoover, Lucas	Firefigh	X				
19683	Kochis, Anthony	Fire Eng	X				
18723	Calzada, Pete	Fire Cap	X				

Apparatus or Resource	Dates and Times (Month Day Year Hours/Mins)	Sent	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken (List up to 4 actions for each apparatus and each personnel.)
3 ID Type	Dispatch Arrival Clear		#		

Personnel ID	Name	Rank or Grade	Attend X	Action Taken	Action Taken	Action Taken	Action Taken

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT

620 South "E" Street ● San Bernardino, CA 92415-0153 ● (909) 386-8401 ● Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Division
sbcfire.org

Daniel R. Munsey
Fire Chief/Fire Warden

Michael A. Horton
Fire Marshal/Deputy Fire Warden

September 22, 2021

21090203 Ontario RAL Environ Sup Svcs

ENVIRONMENTAL SUPPORT SERVICES
30251 GOLDEN LANTERN, SUITE #E-305
LAGUNA NIGUEL, CA 92677

ATTENTION: SHANNON CASTAGNO

SUBJECT: CERTIFIED RECORD SEARCH FINDINGS
1049 SOUTH VINEYARD AVENUE; 1230, 1250, 1280 SOUTH TOWER DRIVE; 1801, 1922, 1923, 2132, 2161, 2264, 2475 EAST AVION STREET; 2500 JURUPA STREET, ONTARIO, CALIFORNIA
APN#S: 0113-261-06-0000, 0113-261-07-0000, 0113-261-08-0000, 0113-271-01-0000, 0113-271-02-0000

This is to confirm that the San Bernardino County Hazardous Materials Division has identified records that may pertain to the subject site, as described in your request for records search. **NOTE: Additional addresses have been added in this letter because facilities and their files were combined or expansion of Ontario International Airport has changed addresses.**

The file(s) shown below have been retrieved for review. If you wish to view the original documents, please e-mail this office at hazmatrecords@sbcfire.org to arrange an appointment.

ACTIVE PERMIT FACILITIES: (Regulatory files for facilities with annual operating permits to maintain underground storage tanks, handle hazardous materials, and/or generate hazardous waste. Files include permits, inspections, reports, test results, correspondence, and related materials. Files will also include any underground tank removal/construction activity records and site remediation/contamination records for facilities still in operation).

Airport Terminal Services 1049A S. Vineyard Ontario	FA0018510 ~ CERS ID. 10835917 Hazardous Materials 1-3 Chemicals Handler Permit Small Quantity Generator Permit (Last CERS Submission: 07/08/2021)
Ameriflight, LLC 2161 E. Avion St. Ontario	FA0011874 ~ CERS ID. 10053682 Hazardous Materials1-3 Chemicals Special Handler Permit (Last CERS Submission: 01/30/2020)
Jett Pro Line Maintenance – United 2161 E. Avion St. Ontario	FA0011845 ~ CERS ID. 10053634 Hazardous Materials 1-3 Chemicals Handler Permit Small Quantity Generator Permit

BOARD OF DIRECTORS

Col. Paul Cook (Ret.), First District | Janice Rutherford, Second District | Dawn Rowe, Vice Chair, Third District | Curt Hagman, Chairman, Fourth District | Joe Baca Jr., Fifth District

Leonard X. Hernandez
Chief Executive Officer

(Last CERS Submission: 04/23/2021)

Ontario International Airport
1923 E. Avion St.
Ontario

FA0002014 ~ Est. # 86009989 ~ CERS ID. 10037323
Large Quantity Generator Permit
Hazardous Materials 31-50 Chemicals Handler Permit
UW Handler with another CUPA Permit
APSA 10,001 – 100,000 Gal. Fac. Capacity Permit
Underground storage tank permits (3)
(Last CERS Submission: 05/07/2021)

Menzie's Aviation Fuel Farm & Repair Shop
495 S. Hellman Gate – Gate 106 *
Ontario

FA0005079 ~ CERS ID. 10042645
Hazmat 11-30 Chemicals Handler Permit
Large Quantity Generator Permit
APSA 100,001 – 1,000,000 Gal Fac Capacity
(Last CERS Submission: 03/01/2021)

This facility has a new owner, a new facility number, and a new address. The previous address was 1049 S. Vineyard Ave. The facility hasn't moved but the Ontario International Airport has expanded, and the facility is now closer to the gate and the new address of 495 S. Hellman Gate – Gate 106, Ontario is a better address. The former facility's name is ASIG. The former facility number is FA0007669.
ASIG is a closed facility. Menzie's Aviation Fuel is an active facility.

INACTIVE PERMIT AND/OR NON-PERMIT FACILITIES: (Inactive regulatory files for formerly permitted facilities that maintained underground storage tanks, stored hazardous materials, and/or generated hazardous waste and/or facilities with underground storage tanks removed and/or materials and waste removed. Files will also include any underground tank removal/construction activity records and site remediation/contamination records for facilities no longer operating underground tanks).

Federal Express Corp.
1801 E. Avion St.
Ontario

FA0003195 ~ Est. # 87014980 ~ CERS ID. 10039192
Hazardous Materials 11-30 Chemicals Handler Permit
Small Quantity Generator Permit
(Last CERS Submission: 02/18/2021)

Federal Express Corp.
1801 E. Avion St.
Ontario

FA0003195 ~ Est. # 87014980 ~ CERS ID. 10039192
Underground Storage Tank Permits (2)

FAA Air Traffic Control Tower (ONT)
1250 Tower Dr.
Ontario

FA0003030 ~ Est. # 92028867 ~ CERS ID. 10121908
Underground Storage Tank Permit
Hazmat Handler – UST Only Permit

LSG Sky Chefs
1902 E. Avion Ave.
Ontario

FA0004593 ~ Est. # 89018630
APSA 1,320-10,000 Gal Fac Capacity Permit
Hazmat Handler Permit
Special Generator Permit

Marriott Corp. (In Flight Kitchen)
1902 Avion
Ontario

No facility or establishment # given.
No CUPA permits.

Ontario Airport/MTC 2132 E. Avion St. Ontario	FA0002036 ~ Est. # 86011145 Hazardous Material Handler Permit Hazardous Waste Generator Permit

Inactive UST records for EST # 86011145 were merged into main file for Ontario Intl. Airport, Address 1923 E. Avion/ Airport Dr. Ontario.

Moxx-Speed Aviation Inc. 2161 E. Avion St. Ontario	FA0011910 Non-Handler Permit/Non-Generator Permit
Jet Systems International 2161 E. Avion Ave. Hanger 2 Ontario	FA0011864 ~ CERS ID. 10053655 Hazardous Materials 1-3 Chemicals Handler Permit Small Quantity Generator Permit
JettPro Line Maintenance -Atlantic 2161 E. Avion St. Ontario	FA0011865 ~ CERS ID. 10053658 Non-Handler/Non-Generator Permit
Certified Aviation Svs Mercury Air 2161 E. Avion St. Ontario	FA0010677 Special Generator/Special Handler Permits
Ontario Aircraft Operations 2161 E. Avion St. Ontario	FA0006303 ~ Est. # 02049665 ~ CERS ID. 10044961 Hazardous Waste Generator Permit Hazmat Handler Permit
GE Engine Services Inc. 1923 Avion St. Ontario	FA0003388 ~ Est. # 86008643 APSA 10,001 – 100,0000 Gal. Fac Capacity Permit UST Ownership/Operating Permits (4) Hazmat Handler Permit EPCRA Facility Permit Hazardous Waste Generator Permit UW Handler W/Another Haz Waste Generator Permit
GE Engine Services LLC (GE Test Cell Facility) 2264 E. Avion St. Ontario	FA0003387 ~ Est. # 92027942 EPCRA Facility UW Handler Permit w/another CUPA Permit Hazmat Handler Permit Hazardous Waste Generator Permit Above Ground Petroleum Service Permit Underground Storage Tank Permit
Express Jet Airlines, Inc. 2475 E. Avion St. Ontario	FA0011228 Hazardous Waste Generator Permit Hazardous Materials Handler Permit

Mercury Air Atlantic Aviation (Formerly: Mercury Air Center) (Formerly: Beechcraft West) 2161 E. Avion St. Ontario	FA0011865 ~ Est. # 86009983 ~ CERS ID. 10053658 Underground Storage Tank Permits (7) Hazmat Handler Permit EPCRA Facility Hazardous Waste Generator Permit
Air National Guard 1280 S. Tower Dr. Ontario	FA0000721 ~ Est. # 86009933 Hazardous Waste Generator Permit Hazardous Material Handler Permit Underground Storage Tank Permits
ASIG ***** 1049 S. Vineyard Ave. Ontario	FA0005079 APSA 100,001- 1,000,000 Gal Fac Capacity Permit Hazardous Materials 4-10 Chemicals Handler Permit Small Quantity Generator Permit

****This facility has a new owner, a new facility number, and a new address. The facility hasn't moved but the Ontario International Airport has expanded, and the facility is now closer to the gate and the new address of 495 S. Hellman Gate – Gate 106, Ontario is a better address. The new facility's name is Menzie's Aviation Fuel Farm & Repair Shop and the new facility number is FA0005079. ASIG is a closed facility. Menzie's Aviation Fuel is an active facility.***

Ontario International Airport Ontario Intl. Airport Ontario	Est. # 97041605 Special Generator Permit Special Handler Permit (UST Removed but never billed for permit)

PERMITS TO REMOVE/INSTALL/MODIFY UNDERGROUND STORAGE TANKS:

FAA Air Traffic Control Tower 1250 Tower Dr. Ontario	Issued 03/24/2021 Removal (1) – Removed 05/21/2021 Log # 032321-01 ~ Job Card # 13450
FAA Air Traffic Control Tower 1250 Tower Dr. Ontario	Issued 01/13/2020 Removal (1) - Expired Log # 01132020-01 ~ Job Card #13014
FAA Air Traffic Control Tower 1250 Tower Dr. Ontario	Issued 12/02/2013 Modification Log # 120213-02 ~ Job Card # 11060
FAA Air Traffic Control Tower 1250 Tower Dr. Ontario	Issued 09/14/2011 Modification Log # 091411-01 ~ Job Card #10340

FAA (ONT) 1250 Tower Dr. Ontario	Issued 07/19/2007 Modification Log # 071907-02 ~ Job Card # 8785
Ontario Airport – Safety Base 1230 Tower Dr. Ontario	Issued 10/14/2004 Removal – Removed on 10/29/2004 Log # 101404-01 ~ Job Card # 7694
Ontario ATCT Facility Ontario Airport Ontario Ontario	Issued 11/02/1998 Modification Log # 110298-06 ~ Job Card # 5711
Ontario International Airport 1923 E. Avion Street Ontario	Issued 05/26/2021 Modification Log # 052121-01 ~ Job Card # 13522
Ontario International Airport 1923 E. Avion Street Ontario	Issued 01/21/2021 Modification Log # 012121-01 ~ Job Card # 13391
Ontario International Airport 1923 E. Avion Street Ontario	Issued 09/30/2020 Modification Log # 093020-02 ~ Job Card # 13300
Ontario International Airport 1923 E. Avion Street Ontario	Issued 05/06/2020 Modification Log # 050620-01 ~ Job Card # 13145
Ontario International Airport 1923 E. Avion Street Ontario	Issued 10/29/2018 Modification Log # 102918-05 ~ Job Card # 12542
Ontario International Airport 1923 E. Avion Street Ontario	Issued 10/29/2018 Modification Log # 102918-04 ~ Job Card # 12543
Ontario International Airport 1923 E. Avion Street Ontario	Issued 04/19/2016 Modification Log # 041916-02 ~ Job Card # 11722
Ontario International Airport 1923 E. Avion Street Ontario	Issued 10/21/2015 Modification Log # 102115-01 ~ Job Card # 11597
Ontario International Airport	Issued 06/19/2013

1923 E. Avion Street Ontario	Removal – (1) Log # 061913-01 ~ Job Card # 10914
Ontario Intl' Airport 1923 E. Avion Street Ontario	Issued 05/09/2012 Modification Log # 050912-01 ~ Job Card # 10567
Ontario Airport Term 2 & 4 1923 Avion Ave. Ontario	Issued 06/07/2011 Modification Log # 060711-01 ~ Job Card # 10248
Ontario Airport Term 2 & 4 1923 Avion Ave. Ontario	Issued 07/12/2010 Modification Log # 071210-02 ~ Job Card # 10009
*Ontario Airport/MTC 2132 E. Avion St. Ontario	Issued 09/22/2008 Modification Log # 092208-02 ~ Job Card # 09292
*Ontario Airport Term #2 1940 Moore Street Ontario	Issued 06/22/2007 Modification Log # 062207-01 ~ Job Card # 8761
*Ontario Intl. Airport Term #4 3102 E. Airport Dr. Ontario	Issued 04/15/2003 Modification Log # 041503-03 ~ Job Card # 7099
*Ontario Intl. Airport – Maint Yard 2132 Avion Dr. Ontario	Issued 04/14/2003 Modification Log # 041503-04 ~ Job Card # 7100
*Ontario Intl. Airport – Terminal #2 3102 E. Airport Dr. Ontario	Issued 04/15/2003 Modification Log # 041503-2 ~ Job Card # 7098
*Ontario Intl. Airport 2132 E. Avion Dr. Ontario	Issued 09/04/2001 Modification Log # 090401-02 ~ Job Card # 6632
*Ontario Airport Terminal 2 & 4 3102 Airport Ontario	Issued 04/29/1997 Tank Installation Log # 042997-01 ~ Job Card # 4296
*Ontario International Airport 2132 E. Avion	Issued 01/27/1999 Removal (1)

Ontario	Log # 012799-01 ~ Job Card # 6048
*Ontario International Airport 2130 E. Towers/2132 E. Avion Dr. Ontario	Issued 08/18/1998 Modification (4) Log # 081898-06 ~ Job Card # 5519
*Ontario Intl Airport 2132 E. Avion St. Ontario	Issued 09/20/1990 Installation (4), Removal (4) Log # 092090-01 ~ Job Card # 2574
*Ontario Intl. Airport 2132 E. Avion/1230 Tower Ontario	Issued 10/04/1990 Removal (2) Log # 100490-03 ~ Job Card #2589
*Ontario Airport Fire Station 1230 Tower Ontario	Issued 05/31/1988 Installation & Removal Log # 053188 & 102488 ~ Job Card # 1660 & 1487
Federal Express Corp. 1801 E. Avion St. Ontario	Issued 09/07/2011 Removal (2) Log # 090711-02 ~ Job Card # 10334
Federal Express Corp. 1801 E. Avion St. Ontario	Issued 06/04/2010 Modification Log # 060410-01 ~ Job Card # 09988
Federal Express 1801 E. Avion St. Ontario	Issued 04/30/2009 Modification Log # 043009-01 ~ Job Card # 09632
Federal Express – Ontario 1801 Avion Dr. Ontario	Issued 03/18/2005 Modification – EVR Log # 031805-02 ~ Job Card # 7903
Federal Express 1801 E. Avion St. Ontario	Issued 12/22/1998 Modification (2) Log # 122298-15 ~ Job Card # 5973
Federal Express 1801 E. Avion St. Ontario	Issued 05/18/1987 Installation Log # 051887-04 ~ Job Card # 723
Marriott Corp. 1902 Avion Ontario	Issued 08/22/1988 Installation – Permits expired Log # 082288-01 ~ Job Card # 1602

All items above with * , these job cards and UST applications for modification, removals, and installations were combined with others in facility file FA0002014 – 1923 E. Avion St. Ontario.

General Electric Aircraft Engines/W Coast OP 1923 E. Avion St. Ontario	Issued 10/14/1993 Removal (2) – Removed on 12/17/1993 Log # 101493-01 ~ Job Card # 3518
GE Aircraft Engines 1923 E. Avion St. Ontario	Issued 08/07/1991 Removal (1) Log # 080791-02 ~ Job Card # 2895
General Electric Aviation Service 1923 E. Avion Street Ontario	Issued 07/12/1990 Removal (3) – Removed 10/03/1990 Log # 07121990-01 ~ Job Card # 2469
Mercury Air Atlantic 2161 E. Avion Street Ontario	Issued 01/17/2013 Removal (7) – Removed 05/07/2013 Log # 011713-01 ~ Job Card # 10804
Mercury Air Atlantic 2161 E. Avion St. Ontario	Issued 07/26/2012 Modification – Repairs Log # 072612-14 ~ Job Card # 10648
Mercury Air Atlantic Aviation 2161 E. Avion St. Ontario	Issued 04/03/2012 Modification – Repairs Log # 040312-02 ~ Job Card # 10523
Atlantic Aviation 2161 E. Avion St. Ontario	Issued 10/15/2009 Modification Log # 101509-01 ~ Job Card # 09784
Raytheon Aircraft Services 2161 E. Avion Ontario	Issued 10/09/1996 Removal (1) – Removed on 10/15/1996 Log # 100996-01 ~ Job Card #4166
Mercury Air Center 2161 E. Avion Dr. Ontario	Issued 10/06/1998 Modification (6) Log # 100698-03 ~ Job Card # 5635
California Air National Guard 1280 S. Tower Rd. Ontario	Issued 08/05/1996 Removal (3) – Removed 09/06/1996 Log # 073196-02 ~ Job Card # 4116

California Air National Guard 1280 S. Tower Rd. Ontario	Issued 12/14/1995 Removal (5) – Removed 01/12/1996 Log # 121495-02 ~ Job Card # 3975
GE Engine Services 2264 E. Avion St. Ontario	Issued 01/05/1998 Removal (1) – Removed 03/16/1998 Log # 010598-01 ~ Job Card # 5145
General Electric Aviation Service 2264 Avion Place Ontario	Issued 04/15/1988 Removal (1) – Removed 04/19/1988 Log # 041588-01 ~ Job Card # 1427
ASIG 495 Hellman/1049 Vineyard Ontario	Issued 05/19/2011 Removal (7) – Removed 03/02/2012 Log # 051911-01 ~ Job Card # 10240
ASIG 495 S Hellman Gate/1049 Vineyard Ontario	Issued 05/27/2010 Removal (7) – Job Card Expired Log # 052710-01 ~ Job Card # 09984
ASIG 1049 S. Vineyard Ave. Ontario	Issued 09/17/2008 Modification Log # 091708-02 ~ Job Card # 09283
ASIG Fuel Farm 495 Hellman Ave/1049 Vineyard Ontario	Issued 12/03/2007 Modification Log # 120307-04 ~ Job Card # 8919
ASIG Fuel Farm 1049 S. Vineyard Ave. Ontario	Issued 12/03/2007 Modification Log # 120307-01 ~ Job Card # 8916
Ontario Airport-Lockheed Fuel Farm 1000 Hellman Ontario	Issued 08/07/1998 Removal (4) Log # 080798-01 ~ Job Card # 5492
Lockheed Fuel Farm 1000 Hellman Ontario	Issued 06/09/1998 Install Lining (7) Log # 060998-01 ~ Job Card # 5348
Lockheed Fuel Farm 1000 Hellman Ontario	Issued 09/03/1990 Reline 7 Log # 090396 ~ Job Card # 4147
Lockheed Air Term. Old St. #1	Issued 10/04/1994

S/E Corner Avion Dr. & Place Ontario	Removal (4) Log # 100494-01 ~ Job Card # 3741
Lockheed Air Term. Old Site #3 Approx. 1500 ft N/E of Fed Ex Bldg Ontario	Issued 10/04/1994 Removal (1) Log # 100494-03 ~ Job Card # 3743
Lockheed Air Term. New Site #2 So. Side Avion Ontario	Issued 10/04/1994 Removal (1) Log # 100494-02 ~ Job Card # 3742
Ontario Aircraft Svc Inc. (Est. 97041605) Ontario Int. Airport Ontario	Issued 08/11/1999 Removal (1) – Removed 08/20/1999 Log # 081199-01 ~ Job Card # 6226

HAZARDOUS MATERIAL INCIDENT AND/OR COMPLAINT RESPONSE ACTIVITY: (other records of spill notifications and/or complaints not listed below may also exist in facility permit files).

ASIG 1049 S. Vineyard Ave. Ontario	CO0032577 05/11/2016 Release of approx. 100 gallons of jet fuel. Case closed.
ASIG 1049 S. Vineyard Ave. Ontario	CO0032573 05/11/2016 Release of jet fuel. Clean up and disposal completed. Case closed.
ASIG 1049 S. Vineyard Ave. Ontario	CO0032812 09/05/2016 Release of jet a fuel. Case closed.
ASIG ONT 1049 S. Vineyard Ave. Ontario	CO0029523 06/22/2012 Truck nozzle malfunctioned causing the release of 20-30 Gallons of jet fuel. Clean up done by ASIG.
ASIG Aircraft Services Ontario Airport Ontario	CO0027204 12/07/2009 25 gallons of diesel fuel spilled. Clean up completed.
ASIG 1049 S. Vineyard Ave. Ontario	CO0026285 02/19/2009 Jet A fuel released. Case closed.
ASIG 1049 S. Vineyard Ave. Ontario	CO0025119 01/29/2008 Release of 10 gallons of Jet A Fuel due to the shut-off valve On refueling truck failing.

ASIG 1049 S. Vineyard Ave. Ontario	CO0025088 01/18/2008 While reloading a fuel truck, a mechanical failure caused an overflow conditions.
ASIG ONT 1049 S. Vineyard Ave. Ontario	CO0025035 02/07/2008 Product was spilled while reloading the truck. Product Spilled onto concrete. Contained.
ASIG 1049 S. Vineyard Ave. Ontario	CO0024661 07/24/2007 Release of jet fuel due to human error and equipment failure. Clean up was completed.
ASIG 1049 S. Vineyard Ave. Ontario	CO0028229 01/25/2011 Release of 3 gallons of gasoline
ASIG 1049 S. Vineyard Ave. Ontario	CO0028224 01/20/2011 Jet A fuel release that occurred on 01/17/2011 due to high level shutoff failure.
Ontario Aircraft Service, Inc. 1049 S. Vineyard Ave. Ontario	CO0010648 02/23/2005 Release of jet fuel. Case closed.
Ontario Group Intl. 1922 E. Avion/Vineyard Ontario	CO0003969 ~ HMRR # 98110401BO 11/4/1998 Release of sodium hydroxide solution
General Electric 1923 Avion Way Ontario	CO0008080 ~ Case # 912100358 11/20/1991 Vapor release/smoking hydraulic oil from elevator switching equipment
GE Ontario 1923 E. Avion Ontario	CO0005909 ~ HMRR #95111001DH 11/10/1995 Release of approximately 150 gallons of jet fuel
Mercury Air Center 2161 E. Avion Ontario	CO0002329 ~ HMRR # 2001052901LH 05/29/2001 Release of approx. 50 gallons of fuel/water mixture From stage clarifier
Federal Express 1801 E. Avion St. Ontario	CO0025222 04/16/2008 Release of jet fuel

SITE REMEDIATION: (Underground Storage Tank Clean-Up under Local Oversight Program or Voluntary Hazardous Waste Clean-Up activity under Local Jurisdiction) (documents may be included in regular active or inactive permit files listed above).

GE Engine Services Inc. 1923 E. Avion Pl. Ontario	RO0000604 ~ Case # 97042 Complaint date 03/19/1997 Referred to RWRCB – Case closed 09/01/1997
GE Engine Services 2264 Avion Ontario	Site # 97041 Complaint date 03/19/1997 Referred to RWRCB – Case closed 09/01/1997
General Electric Test Cell Facility 2264 Avion Ontario	Site # 95031 UST remediation (LOP-LUST) of release of diesel to soil Date discovered 03/28/1988. Date stopped 07/12/1990. Remedial action of SVE completed. Case closed 03/01/2010.
Airport Group International NA Avion Ontario	Local ID. #92069 ~ RO0000353 08/27/1992 Case closed 12/19/1995

Records searched include permit database systems for facilities with permits as hazardous waste generators, hazardous materials handlers, and/or underground storage tanks, including inactive and/or out of business records; logs of permits issued for the removal and/or installation of underground storage tanks; records and databases pertaining to illicit dumping and releases; records of non-permitted facilities; sites undergoing remediation for contaminated soil and/or groundwater; and incidents responded to by the hazardous materials emergency response team. Records searched date back to mid- 1980's. Please note if a facility has completed a submission in CERS, the most recent submission can be made available for review upon request.

Records consist of 30 files, 50 volumes, approximately 96" thick, combined (8 feet). To request a file review appointment or further clarification, please contact this office by email to hazmatrecords@sbcfire.org.

Donna Juday

DONNA JUDAY
Office Specialist
Office of the Fire Marshal
Hazardous Materials Division

*We will copy pre-selected pages from a file at a charge $0.25 per page copied. (Be prepared to make this payment at the time of service). We can also refer you to a private copy service. If you prefer to bring a portable copier on site, you may do so. Please let us know your plans in advance so that accommodations can be made.

DEPT. OF ENVIRONMENTAL
HEALTH SERVICES
APR 08 1992

REPORT
UNDERGROUND STORAGE TANK REMOVAL PROJECT
ENGINE MAINTENANCE CENTER
1923 EAST AVION STREET
ONTARIO, CALIFORNIA
FOR GENERAL ELECTRIC COMPANY

D&M JOB NO. 01674-837-128
MARCH 30, 1992

DAMES & MOORE
SAN BERNARDINO, CALIFORNIA

DAMES & MOORE

621 EAST CARNEGIE DRIVE, SUITE 260, SAN BERNARDINO, CALIFORNIA 92408
(714) 381-2004 FAX: (714) 381-6234

March 30, 1992

General Electric Company
Engine Maintenance Center
1923 East Avion Street
Ontario, California 91761

Attention: Mr. David Lu
Mr. Robert Gibson

Subject: Report
Underground Storage Tank Removal Project
Engine Maintenance Center
1923 East Avion Street
Ontario, California
D&M Job No. 01674-837-128
For General Electric Company

Dear Mr. Lu and Mr. Gibson:

Please find three copies of Dames & Moore's Report for the Underground Storage Tank Removal Project. Three additional copies are attached for submittal to San Bernardino County Department of Environmental Health Services. It has been our pleasure working with GE on this project. If you have any questions or comments regarding this report, please contact us at (714) 381-2004.

Sincerely,

DAMES & MOORE

Brian E. Wynne
Associate

Andrew W. Kandel
Project Geologist

TABLE OF CONTENTS

Section		Page
1.0	INTRODUCTION	1
2.0	PURPOSE AND SCOPE OF SERVICES	1
3.0	METHODS	2
3.1	PROJECT PREPARATION	2
3.1.1	PERMITS	2
3.1.2	HEALTH AND SAFETY	2
3.2	TANK EXCAVATION AND REMOVAL ACTIVITIES	2
3.2.1	AIR QUALITY MONITORING	2
3.2.2	SHORING	3
3.2.3	CONCRETE AND HARDWARE REMOVAL	3
3.2.4	EXCAVATION	4
3.2.5	TANK REMOVAL	5
3.2.6	AFFECTED SOIL REMOVAL	6
3.2.7	BACKFILL AND COMPACTION	7
3.3	SOIL SAMPLING	8
3.3.1	EXCAVATION SOIL SAMPLING	8
3.3.2	STOCKPILED SOIL	9
3.3.3	RINSATE WATER SAMPLING	9
3.3.4	CHEMICAL TESTING	9
4.0	RESULTS	10
4.1	OBSERVATIONS	10
4.2	AIR QUALITY MONITORING RESULTS	10
4.3	CHEMICAL TEST RESULTS	11
5.0	SOIL DISPOSITION	12
6.0	SUMMARY	12
7.0	LIMITATIONS	13

TABLE OF CONTENTS
Concluded

Section

PHOTOS 1 THROUGH 14

TABLE 1 - SUMMARY OF SAMPLING RESULTS

FIGURE 1 - VICINITY MAP
FIGURE 2 - SITE PLAN
FIGURE 3 - TANK 9
FIGURE 4 - TANK 11
FIGURE 5 - SCHEMATIC CROSS-SECTION

APPENDIX A - PERMITS
APPENDIX B - UNIFORM HAZARDOUS WASTE MANIFEST
APPENDIX C - TANK FATE DOCUMENTATION
APPENDIX D - COMPACTION FIELD REPORT
APPENDIX E - ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION

REPORT
UNDERGROUND STORAGE TANK REMOVAL PROJECT
ENGINE MAINTENANCE CENTER
1923 EAST AVION STREET
ONTARIO, CALIFORNIA
D&M JOB NO. 01674-837-128
FOR GENERAL ELECTRIC COMPANY

1.0 INTRODUCTION

Presented in this report are the results of the Underground Storage Tank (UST) Removal Project for the General Electric Company (GE) site located at 1923 East Avion Street in Ontario, California (Figure 1). The subject site is occupied by GE's Engine Maintenance Center. Two USTs were scheduled to be removed during the UST Removal Project: Tank 9, a 7,000-gallon Calibration Fluid UST, was located along the north side of the GE facility (Figure 3 and Photo 1); and Tank 11, a 1,000-gallon Jet A Fuel UST (Figure 4 and Photo 2), was located along the east side of the facility. Both USTs stored new product for utilization in test stands and equipment.

Tank 11 was originally reported to have a 2,000-gallon capacity. During removal activities, a 1,000-gallon capacity was indicated by the tank label. Therefore, Tank 11 will be referred to as a 1,000-gallon tank in this report.

2.0 PURPOSE AND SCOPE OF SERVICES

Dames & Moore's purpose in this project was to implement GE's UST Removal Project. The scope of services, as defined by Dames & Moore's proposal dated July 10, 1991, included two main elements: 1.) UST removal and 2.) Soil segregation. Actual UST removal and associated construction activities were conducted by Disposal Control Service, Inc. (DCS) of Upland, California. Soil segregation was conducted by Dames & Moore and included the following tasks: 1.) Monitoring the excavation; 2.) Soil sampling; 3.) Analytical testing; 4.) Backfill monitoring; and, 5.) Reporting. This report presents the results of the UST Removal Project.

3.0 METHODS

3.1 PROJECT PREPARATION

3.1.1 PERMITS

Dames & Moore obtained a permit for the UST removal activities from City of Los Angeles Department of Airports. Permitting included developing a summary work plan, submitting necessary documentation, and providing a payment bond. DCS obtained permits for the UST removal activities from the following agencies: Ontario City Fire Department (OFD), County of San Bernardino Department of Environmental Services (SBDEHS), and South Coast Air Quality Management District (SCAQMD) Copies of these permits and related documentation are attached in Appendix A.

3.1.2 HEALTH AND SAFETY

A Health and Safety Plan was developed for the project by Dames & Moore to minimize health hazards to all onsite Dames & Moore workers and reduce the possibility of spreading contamination. The Health and Safety Plan included methods for protection from anticipated chemicals and provided information on finding medical assistance. Subcontractors provided their own health and safety plans to address construction activities which they performed.

3.2 TANK EXCAVATION AND REMOVAL ACTIVITIES

3.2.1 AIR QUALITY MONITORING

Throughout tank excavation and removal activities, a Century Organic Vapor analyzer (OVA) was utilized to measure organic vapor emissions. Monitoring occurred for three primary purposes.

1. **Health and Safety Monitoring** - The area around the excavation, the stockpile, and in the vicinity of the excavation equipment was monitored with the OVA to measure potential exposure of personnel to vapor emissions in Operator's Breathing Zone (OBZ).

2. **Contaminant Levels** - Soil samples, placed in a plastic bag and agitated, were screened with the OVA to measure vapor emissions in a closed head space to approximate levels of contaminants in that soil; and,

3. **SCAQMD Rule 1166 Permit** - Excavated soil was monitored with the OVA calibrated to hexane for organic vapor emissions at a distance not greater than 3 inches.

3.2.2 SHORING

DCS subcontracted K-West of Sun Valley, California to provide services related to installing a permanent shoring system northwest of Tank 9. The purpose of the shoring was to help support the Flow Room Building and test machinery housed within. The shoring consisted of three piles drilled on February 14, 1992 with a bucket-auger drill rig (Photo 3) equipped with 20- and 24-inch buckets (Photo 4) to maximum depth of 30 feet below ground surface (bgs). Steel beams, designated A through C, were lowered into the bore holes. The bore holes were backfilled with 2,000 pounds per square foot (psf) concrete up to 14 feet bgs and 2-sack slurry up to grade. The beams were cut off approximately six inches bgs. During excavation, treated 3- by 12-inch lengths of wooden lagging were positioned between the beams to provide soil retention down to the tank top, approximately 4 feet bgs (Photo 5). The space behind the lagging was backfilled with clean native soils.

3.2.3 CONCRETE AND HARDWARE REMOVAL

The surface paving covering the ground surface over the USTs was broken and removed by DCS. Paving generally consisted of asphaltic concrete up to 4 inches thick. At Tank 9, paving was removed on February 18, 1992 from a rectangular area approximately 12 feet by 20 feet. At Tank 11, paving was removed on February 19, 1992 from a rectangular area approximately 10 feet by 15 feet. Several layers of asphaltic concrete were encountered between the Tank 11 manways. A concrete pad was also observed along the south side of the excavation beneath the T-58 Test Cell building. Asphaltic concrete rubble was stockpiled near the areas to be excavated.

At Tank 9, steel piping was removed and stockpiled separately from removed paving. Underground piping was removed from the excavation, including vent and product delivery pipes. Approximately one gallon of Calibration Fluid was drained from the product pipe and collected in a bucket. The drained fluid was placed in Tank 10, the Waste Calibration Fluid Tank, which was not addressed by this removal project.

At Tank 11, steel piping and a positive displacement pump assembly were removed from the excavation (Photo 6). Fill, product, and vent pipes were removed from Tank 11 and stockpiled separately from removed paving. Less than one gallon of Jet A Fuel was drained from the pump and product line, collected in a bucket, and poured into Tank 11.

3.2.4 EXCAVATION

The soil overlying the USTs was excavated by DCS to expose the tops of the USTs (Photos 7 and 8). Excavation continued below the depth of the spring lines (widest points) of the USTs, approximately 9 feet below ground surface (bgs) for Tank 9, and 8 feet bgs for Tank 11.

During excavation at Tank 9, loose gravel was encountered along the southeast end of the UST. The gravel was backfill associated with adjacent Tank 10, a double-walled Waste Calibration Fluid tank. Because it contained waste product, Tank 10 is currently governed by Resource Conservation and Recovery Act (RCRA) requirements and was not permitted by California Department of Toxic Substances Control (DTSC) to be removed at that time. As excavation of Tank 9 proceeded, it became apparent that continued digging was undermining support of the concrete slab above Tank 10 (Photo 7). A small pothole dug in between Tanks 9 and 10 showed that the tanks were separated by only six inches. Removal of Tank 9 could have allowed Tank 10 to collapse into the excavation created by the removal of Tank 9. For this reason, continued excavation of Tank 9 ceased and a vent pipe was attached (Photo 9). After preliminary engineering evaluation of the undermined area was performed, the excavation was backfilled (Photo 10).

The regulatory agencies involved in this project were notified of this unanticipated change in plans. It is GE's intention to remove Tank 9 in conjunction with the removal of Tank 10. This activity is scheduled to occur after DTSC approves GE's work plan for removal of Tank 10. The remainder of this report will mainly focus on Tank 11.

Organic vapor emissions were monitored using the OVA, which was calibrated daily to known standards of hexane and methane. The excavated soil was monitored with the OVA by analyzing vapors not more than three inches over freshly excavated soil in the backhoe bucket. Soil with levels of organic vapor emissions that were above ambient conditions were segregated into a potentially "affected" stockpile, whereas soil which showed very low or no detectable vapor emissions were placed in a "clean" stockpile. Records of monitoring were included in Dames & Moore's daily field notes and were submitted to SCAQMD on February 28, 1992, as required by SCAQMD Rule 1166. During excavation, vapor monitoring wells MW-9, MW-11, and MW-18 were removed from around Tanks 9 and 11. MW-10, south of Tank 9, was left in place for continued monitoring of Tank 10 (Figures 3 and 4).

3.2.5 TANK REMOVAL

Monitoring of the interior of Tank 11 was conducted by lowering a combustible gas indicator (CGI) into the manhole. Personnel did not enter the tank to record instrument readings. The CGI indicated zero percent of Lower Explosive Level (LEL) within the tank. Tank 11 was approved for removal by OFD Inspector Mary King. Degassing of Tank 11 was not required by SCAQMD Rule 1149 because the tank contained Jet A Fuel, which contains low levels of volatile organic compounds (VOCs). To physically remove Tank 11, the steel tank was hoisted from the excavation with a backhoe and placed upon plastic sheeting along the north side of the excavation (Photo 11).

Rinsing of the interior of the tank with water followed. Water from a hose was sprayed inside the tank to clean the interior and loosen any accumulated deposits within the tank. The rinsate liquid was evacuated from the tank by DCS using a hand pump. Approximately 100 gallons of rinsate was generated by the rinsing process on February 21, 1992. The rinsate, a non-Resource Conservation and Recovery Act (RCRA) hazardous waste, was transferred into two 55-gallon barrels for transport to Petroleum Recycling Corporation in Signal Hill, California, a licensed treatment, storage, and disposal facility (TSDF). A Uniform Hazardous Waste Manifest for this liquid, as provided by DCS, is attached in Appendix B.

After rinsing, Tank 11 was loaded onto a stake-bed truck for transport to American Metal Recycling, Inc. of Ontario, California, a licensed tank disposal facility. Tank fate documentation is attached as Appendix C.

3.2.6 AFFECTED SOIL REMOVAL

Inspector Marie Svoboda of SBDEHS observed removal of Tank 11 and directed sampling beneath the tank. Samples T-1A and T-2A were taken at 10 feet bgs at each end of the excavation (Figure 4 and Photo 12), and given to the onsite mobile laboratory for analysis. Excavation continued to remove obviously affected soils. Inspector Svoboda requested a second set of samples once soil conditions improved visibly. These were taken from locations T-1B at 13 feet bgs and T-2B at 12 feet bgs. Based on analytical results, a third sample was obtained from T-1C at 14 feet bgs, the maximum depth of the excavation. Soils that were affected based on visual observation and laboratory analysis were removed by excavating with the backhoe to a depth of approximately 14 feet bgs (Photo 13). A cross-section of the excavation showing sampling locations is presented in Figure 5.

Most soil encountered above 5 feet bgs, the top of Tank 11, did not appear Jet A Fuel affected, based on OVA readings, odor and discoloration. These soils were stockpiled separately for subsequent use as backfill. Most soils encountered between approximately 5 and 14 feet bgs, with the exception of soils from the sidewalls, exhibited indications of being Jet A Fuel affected. Characteristics of affected soils included closed headspace OVA readings ranging from 50 to 300 parts per million (ppm), strong odor and discoloration. Affected soils were segregated from previously excavated clean soils and loaded into containers. The containers were covered to reduce vapor emissions and protect the contents from rain.

Excavation of Tank 11 indicated that a localized area had been affected by Jet A Fuel. A zone less than one foot thick was observed to surround the tank top and sides and appeared to emanate from two manways. The manways consisted of sheet metal columns extending from about 6-inches above ground, down to the tank top. Metal lids, pictured in Photo 2, covered the manways. One manway contained the pump assembly and fill pipe, as well as connections for the suction and vent pipes. The other manway contained a tank manhole. Based on these observations, it appeared that the source of the localized Jet A Fuel affected soil was from the manways and possibly caused by minor spillage, overfilling,

or piping leaks. The condition of the removed tank indicated that significant tank leakage had not occurred. The sidewalls of the excavation appeared unaffected beyond the one foot thick zone observed to be Jet A Fuel affected, based on OVA readings, odor, and color.

Since the Tank 11 excavation was unshored, caving of the nearly vertical sidewalls was a significant concern. Continued deeper excavation could not occur because utility conduits surrounding the excavation prevented sloping back the excavation: A high-voltage electrical line surrounded the north and northeast, a water line surrounded the east, a telephone duct surrounded the south, and a sewer line surrounded the west. Additionally, deeper excavation adjacent to a utility power pole on the north side of the excavation was not recommended by Southern California Edison.

Most soils encountered in the Tank 9 excavation were clean. Some soils near the Tank 9 fill pipe appeared to be Calibration Fluid affected, based on OVA readings, odor, and color. The affected soils were excavated and placed in a stockpile separate from the clean stockpile. Soil in the affected stockpile was placed on and covered with plastic sheeting until transferred to containers. The containers were covered to reduce vapor emissions and protect the contents from rain.

3.2.7 BACKFILL AND COMPACTION

Before the Tank 11 excavation could be backfilled, loose and caved soils remaining in the excavation bottom were removed to a depth of approximately 14 feet bgs. Backfilling of the excavation was performed after a Dames & Moore geotechnical technician reviewed the excavation bottom. Backfilling and compaction were performed by DCS and observed by a Dames & Moore technician on February 21 and 24, 1992. Clean excavated soil and imported Class II Base Material were utilized by DCS to fill the excavation. Monitoring of the excavation indicated that the backfill was compacted to a minimum 90 percent of maximum dry density. Compaction field reports are attached as Appendix D. Repaving of the excavation with asphaltic concrete occurred on February 26, 1992 (Photo 14).

The Tank 9 excavation was backfilled with clean soil from the excavation and from drilling the beams for shoring. A ramp was created with the clean soil sloping toward Tank 10's undermined concrete slab (Photo 10). Control density backfill (CDB) was poured to fill the void beneath the concrete slab (Photo 10). CDB was also poured to fill the void

beneath a caved portion of piping backfill and to make up for affected soils removed during the excavation. Finally, CDB was utilized to cap the excavation. A slight dome was created to improve surface runoff.

3.3 SOIL SAMPLING

A total of 13 soil samples were collected during excavation activities. Dames & Moore obtained 5 soil samples from the Tank 11 excavation and 4 soil samples from the Jet A Fuel affected Tank 11 stockpile. Two water samples of the Tank 11 rinsate were obtained. Four soil samples were also obtained from the Calibration Fluid affected Tank 9 stockpile.

3.3.1 EXCAVATION SOIL SAMPLING

To further define the affected soil zones in the Tank 11 excavation, Dames & Moore conducted soil sampling into the bottom of the excavation under the supervision of SBDEHS Inspector Svoboda. Soil sampling was accomplished by directing the backhoe to dig relatively undisturbed zones beneath the removed tank. Sidewall sampling was not requested by SBDEHS Inspector Svoboda because field characteristics such as OVA readings, odor, and color did not indicate the sidewalls of the excavation were Jet A Fuel affected. Soil samples were obtained by hand-driving a 2-1/2-inch diameter by three-inch long stainless-steel sleeves into soil contained in the backhoe bucket.

Teflon sheeting and plastic end caps were placed on each end of the sample container. The soil sample was labelled with the following information: Dames & Moore job number, depth, sample number, date and time, collector, location, and soil type. In addition to the described soil sample, another sample sleeve was extruded into a plastic bag, agitated, and evaluated with the OVA for organic vapor emissions using a closed-headspace test. This soil was then visually classified using the Unified Soil Classification System, and described in the onsite geologist's field reports.

To minimize chances of cross-contaminating samples, cleaning of sampling gear was conducted between samples. The cleaning process included washing in a dilute trisodium-phosphate solution, rinsing in fresh and distilled water and then air drying.

3.3.2 STOCKPILED SOIL

Soil was segregated into clean and affected stockpiles, based on field characteristics such as odor, discoloration and OVA readings. Soil that was considered affected was placed on plastic sheeting and covered with plastic sheeting to reduce vapor emissions. In order to minimize volatilization and dust, soil was kept moist by spraying water mist during soil moving activities. Dames & Moore collected four soil samples, S-1 through S-4 from the Tank 11 Jet A Fuel affected stockpile to aid in characterization. Four soil samples, C-1 through C-4, were also obtained from the Tank 9 Calibration Fluid affected stockpile.

3.3.3 RINSATE WATER SAMPLING

Two water samples, R-1A and R-1B, obtained from Tank 11 rinsate were collected by holding a 40-milliliter VOA bottle at the discharge end of the hand pump hose. These samples were obtained at GE's request as duplicates to monitor concentrations of Jet A Fuel contained in the Tank 11 rinsate.

3.3.4 CHEMICAL TESTING

Collected soil and water samples obtained at the site were delivered directly to the onsite, mobile, California EPA-certified, analytical laboratory for chemical testing. The mobile laboratory was provided by Enseco of Garden Grove, California. Chain-of-custody was concluded by the analytical laboratory and provided to the originator. Copies of the completed chain-of-custodies are attached in Appendix D.

Analytical methods utilized to analyze the soil and water samples were as follows: EPA Method 8015 Modified for Jet A Fuel and Calibration Fluid; EPA Method 8020/602 for Benzene, Toluene, Xylene, and Ethylbenzene (BTXE); and, EPA Method 6010 for Total Lead. Analysis for lead was conducted on the two worst-case samples, T-1A and T-2A, obtained from two feet beneath removed Tank 11, as requested by SBDEHS Inspector Svoboda.

4.0 RESULTS

4.1 OBSERVATIONS

Removed steel Tank 11 appeared in good condition with no obvious evidence of punctures, perforations or holes observed. Excavation, removal and backfill were accomplished between February 19 and 26, 1992. The resulting excavation extended to a maximum depth of 14 feet bgs with maximum dimensions of approximately 10 feet by 15 feet. Approximately 45 cubic yards of Jet A Fuel affected soil were generated during excavation of Tank 11, based on field observations and analytical results. The affected soil appeared to emanate from the two manways removed from the tank top, as shown in Figure 5. The affected soils were excavated from depths greater than 5 feet bgs. About 30 cubic yards of clean soil excavated down to approximately 5 feet bgs were utilized as backfill.

The excavation resulting from activities at Tank 9 extended to a maximum depth of 9 feet bgs with maximum dimensions of approximately 12 feet by 20 feet. A permanent shoring system consisting of three drilled steel beams and wooden lagging was installed. Shoring, excavation, and backfill were conducted between February 14 and 20, 1992. Approximately 40 cubic yards of clean soil were removed during excavation of Tank 9 and utilized as backfill. A localized zone of Calibration Fluid affected soils was encountered around the Tank 9 fill pipe.

Backfill material excavated from around Tanks 9 and 11 was predominantly sand and silty sand. Clean soils were typically brown; however, affected soils were typically stained greenish gray or bluish gray. The soils encountered were usually moist. Groundwater was not encountered during excavation activities at Tanks 9 and 11. Previous investigations in the site vicinity have reported deep groundwater, measured at approximately 270 feet bgs.

4.2 AIR QUALITY MONITORING RESULTS

The Health and Safety Plan required upgrading personal protective equipment if OVA readings in the OBZ were measured greater than 15 parts per million (ppm) for more than one minute. During periods of excavation when affected soils were being handled, upgrading to Level C was not required.

OVA readings recorded while soil was agitated in a plastic bag (closed head space) reached a maximum of 300 ppm from the most affected zones encountered during the excavations of Tank 11. Average readings for affected soil ranged from 50 to 100 ppm. Clean soil typically gave readings not detected above ambient conditions.

SCAQMD Rule 1166 Permit #262144 was obtained by DCS before site activities began. Rule 1166 governs site activities during all phases of excavation of contaminated soil, from digging through stockpiling, loading, and hauling. The conditions of the permit, as specified by SCAQMD, were monitored by Dames & Moore. A copy of the permit is attached in Appendix A.

OVA readings of 50 parts per million (ppm), measured within three inches of the exposed surface, were recorded once during removal of Calibration Fluid affected soil associated with Tank 9. OVA readings greater than 50 ppm were not recorded while monitoring the soils associated with Tank 11. As required by Rule 1166, SCAQMD was notified by DCS and issued Reference No. 92-0259. Except for one instance of a 50 ppm reading, vapor emissions remained well below 50 ppm. Monitoring records were submitted to SCAQMD in a letter dated February 28, 1992.

4.3 CHEMICAL TEST RESULTS

Chemical test results are summarized in Table 1. Laboratory reports are included in Appendix E. Results indicated that levels of Jet A Fuel affected soil decreased with depth beneath Tank 11 from 15,000 ppm at 10 feet bgs (T-1A) to 120 ppm at 13 feet bgs (T-1B) and from 3,600 ppm at 10 feet bgs (T-2A) to 1,200 ppm at 14 feet bgs (T-2C). Stockpile results from Tank 11 excavation ranged from 310 to 3,000 ppm Jet A Fuel. BTXE compounds and Total Lead were not detected in the samples analyzed. Stockpile results from Tank 9 ranged from not detected to 120 ppm Calibration Fluid with BTXE not detected.

5.0 SOIL DISPOSITION

Clean soils excavated from Tanks 9 and 11 were utilized to backfill the excavations. The affected soils removed from Tank 9 and 11 excavations were stockpiled on plastic sheeting and covered with plastic sheeting. The soils were subsequently placed in 15 and 25 cubic yard containers and covered. On March 30, 1992, the containers were reportedly transported by DCS from the site to Waste Management, Inc.'s Kettleman Hills, California facility. Completed Uniform Hazardous Waste Manifests were not available at this time.

6.0 SUMMARY

Based on visual observations, Jet A Fuel affected soil extended to a maximum depth of approximately 14 feet bgs, or 6 feet below tank invert, directly beneath removed Tank 11. Based on analytical results, a significant decrease in Jet A Fuel concentration was observed between T-1A (10 feet) and T-1B (13 feet) from 15,000 to 120 ppm. The concentrations of Jet A Fuel affected soil decreased between T-2A (10 feet) and T-2C (14 feet) from 3,600 ppm to 1,200 ppm. Therefore at both sampling locations, concentrations of Jet A Fuel affected soil were observed to significantly attenuate. BTXE and lead were not detected above laboratory detection limits. Deeper excavation was not possible due to physical constraints of excavating adjacent to a utility power pole and the surrounding utility conduits.

Based on our field observations and on analytical laboratory reports, it is Dames & Moore's opinion that affected soil observed during excavation of Tanks 9 and 11 and removal of Tank 11 are localized in extent, possibly resulting from minor spillage, overfilling, or piping leakage. The actual extent of Calibration Fluid affected soil associated with Tank 9 will be able to be better defined after removal of Tank 9 and adjacent Tank 10 occurs.

The extent of Jet A Fuel affected soil associated with Tank 11 appears to have been well defined by excavation activities. The lateral extent was observed to be minimal and the vertical extent appeared to attenuate significantly by 14 feet bgs. Levels of BTXE and lead were not detected.

Levels of Jet A Fuel remaining in the excavation were reported as 120 ppm on the south and 1,200 ppm on the north. With groundwater at the site measured approximately 270 feet bgs, it is Dames & Moore's opinion that the levels of Jet A Fuel remaining in place do not pose a significant threat to groundwater. The source of the Jet A Fuel, Tank 11, has been removed and the area has been resurfaced with asphaltic concrete to minimize infiltration of surface runoff. Based on our field observations and laboratory data, Dames & Moore recommends closure of Tank 11 with no further action status granted by SBDEHS.

7.0 LIMITATIONS

Dames & Moore's work is performed in a professional manner with the best interests of its clients in mind. Dames & Moore's object is to perform its work with care, exercising the customary thoroughness and competence of consulting professional services at the time and location those services are rendered. It is important to recognize that even the most comprehensive scope of services may fail to detect environmental liability on a particular site. Therefore, Dames & Moore cannot act as insurers and cannot certify that a site is free of environmental contamination, and no express or implied representation or warranty is included or intended in its reports except that its work was performed within the limits prescribed by its clients, and with the customary thoroughness and competence of its profession.

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Photo 1. 7,000 - Gallon Calibration Fluid (Tank 9) before excavation.



Photo 2. 1,000 - Gallon Jet A Fuel (Tank 11) before excavation.



Photo 3. Drilling Beam A for Tank 9, north side of Flow Room Building.



Photo 4. Soil cuttings from drilling Beam A at Tank 9. 20-inch bucket pictured.



Photo 5. Shoring system for Tank 9. Note bluish-gray soils around fill pipe. Horizontal pipe leading to left is product delivery pipe.



Photo 6. Excavating Tank 11. Pump assembly located in manway to right.



Photo 7. Tank 9 looking toward undermined concrete slab of Tank 10. Note caved gravel backfill from Tank 10. Clean stockpiles in background.



Photo 8. Tank 11 excavated. Note exposed water main to left; telephone duct top center; and concrete slab beneath duct.



Photo 9. Tank 9 excavated with temporary vent installed. Monitoring Well MW-10 to left. Note Calibration Fluid affected stockpile in right background, covered with plastic sheeting to reduce vapor emissions.



Photo 10. Placing control density backfill slurry beneath undermined Tank 10 concrete slab. Tank 9 was backfilled with clean soil and ramped towards Tank 10 to improve flow of slurry beneath slab.



Photo 11. Removing Tank 11 with backhoe.



Photo 12. Tank 11 excavation. T-1 Sample locations to right; T-2 Sample locations to left. Jet A Fuel affected soils, stained bluish-gray, were subsequently removed.



Photo 13. Tank 11 excavation before backfill. Black stick measures 10 feet to surface. Total excavation depth measured approximately 14 feet from surface.



Photo 14. Repaving with asphaltic concrete at Tank 11.

STATE OF CALIFORNIA—HEALTH AND WEL..... AGENCY

EDMUND G. BROWN JR., Governor

DEPARTMENT OF HEALTH SERVICES
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SACRAMENTO, CA 95814

Facility: General Electric Ontario Aviation Service Op.
Ontario International Airport
San Bernardino County
Ontario, CA 91761

Operator: General Electric Company
Ontario International Airport
Ontario, CA 91761

INTERIM STATUS DOCUMENT

Number: CAD 009542721

Effective Date: April 6, 1981

Pursuant to Section 25200.5 of the California Health and Safety Code, this Interim Status Document is hereby granted to General Electric Company subject to the conditions set forth in Attachment A which by this reference is incorporated herein.

Harvey F. Collins

Harvey F. Collins, Ph.D., Chief
Environmental Health Branch

ENVIRONMENTAL HEALTH SERVICES

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PAMELLA BENNETT, R.E.H.S.
Director

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JUNE 15, 1992

GENERAL ELECTRIC COMPANY
1923 E. AVION STREET
ONTARIO, CA 91761

ATTENTION: MR. DAVID LU AND MR. ROBERT GIBSON

SUBJECT: TANK REMOVAL AT THE ENGINE MAINTENANCE CENTER, LOCATED AT 1923 E. AVION STREET, ONTARIO, CA

This letter confirms the completion of site investigation and remedial action for the underground storage tank (#11 - containing Jet A Fuel) at the above site. With the provision that the information provided to this agency was accurate and representative of existing conditions, it is the position of this office that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site, which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Additionally, be advised that changes in the present or proposed use of site may require further site characterization and mitigation activity. It is the property owner's responsibility to notify this agency of any changes in report content, future contamination findings, or site usage.

If you have any questions regarding this matter, please contact me at (714)387-4631.

Lisa Holst

LISA HOLST, R.E.H.S.
ENVIRONMENTAL HEALTH SPECIALIST II
HAZARDOUS MATERIALS MANAGEMENT
SITE REMEDIATION LOCAL OVERSIGHT PROGRAM

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JON D. MIKELS ..... Second District
BARBARA CRAM RIORDAN ..... Third District
LARRY WALKER ..... Fourth District
ROBERT L. HAMMOCK ..... Fifth District

GE Aircraft Engines

ENVIRONMENTAL
HEALTH SERVICES
92 APR -8 PM 2:28

Environmental, Health & Safety
General Electric Company
1923 East Avion Street, Ontario, CA 91761
Phone 714 391-5424/5274/5489

April 2, 1992

County of San Bernardino
Dept. of Environmental Health Services
385 North Arrowhead Avenue
San Bernardino, Ca 92415-0160

Attention: Marie H. Svoboda, Environmental Health Technician

Subject: **Underground Storage Tank Removal Project Report**

Enclosed, please find the subject document regarding underground storage tank (UST) removal activities at the GE Aircraft Engines - Engine Maintenance Center/Ontario (GEAE-EMC/O) located at 1923 East Avion Street, Ontario, California, in the County of San Bernardino. Based on the information indicated in the report, we believe that the extent of contamination observed in both the Jet-A UST (Tank 11) and Calibration Fluid UST (Tank 9) excavations is quite limited and does not warrant further investigation.

Visually, it appears that the soil contaminated with Jet-A extends to a maximum depth of approximately 14 feet below ground surface (bgs). In the excavated area directly below the storage tank fill-pipe manway, the concentration of the Jet-A in the soil attenuates significantly between 10 feet bgs (15,000 parts per million (ppm)) and 13 feet bgs (120 ppm). Similarly, in the excavated area directly below the opposite manway, the concentration of Jet-A in the soil decreases from 3,600 ppm, at 10 feet bgs, to 1,200 ppm, at 14 feet bgs. In both sampling locations, BTXE (benzene, toluene, xylene, and ethylbenzene) and lead were not detected above laboratory detection levels.

The extent of soil contamination in the excavated area associated with the removal of Tank 11 excavation appears to be well-defined. Both the lateral and vertical extents of soil contamination is quite limited and decreases significantly by 14 feet bgs. The local groundwater has been established at 270 feet bgs and the excavation has been filled and the area resurfaced with asphaltic concrete to eliminate the possibility of infiltrated water driving the contaminates to groundwater level. Also, the source of the soil contamination---the UST---has been removed, effectively eliminating the possibility of additional contamination occurring. As a result, it is extremely unlikely that the existing contamination poses a threat to the local environment.

The contaminated soil observed during the excavation of the Calibration Fluid also appears to be localized. The extent of contaminated soil associated with Tank 9 has not been evaluated

since the excavation activity has been temporarily terminated. The actual extent of affected soil associated with the Calibration Fluid tank will be more thoroughly defined after removal activities recommence for Tank 9 and the adjacent Tank 10 (also containing Calibration Fluid).

Copies of the Uniform Hazardous Waste Manifests corresponding to the shipment and disposal of the contaminated soil removed from the excavations are also enclosed.

If you should have any questions or require additional information regarding this matter, please call either me or David Lu at (714) 391-5274 or (714) 391-5424, respectively.

Sincerely,

Robert T. Gibson

Robert T. Gibson, Engineer
Environmental, Health & Safety

Enclosure

cc: David Lu, GEAE-EMC/O
File

Brian E. Wynne

Associate/Senior Project Manager



DAMES & MOORE

621 EAST CARNEGIE DRIVE, SUITE 260
SAN BERNARDINO, CALIFORNIA 92408
(714) 381-2004 FAX (714) 381-6234

A PROFESSIONAL LIMITED PARTNERSHIP

3-19-92

GE

Avion Ontario

office Meeting

Brian Upinne & Dames & Moore

Recent Removals of Tank

#9 7000 gall will be removed Jun
#10 RAAM waste Cal Fuels or July

State does not want concrete removed or the tank because of public Rotar

Tank #11

~~Action~~ What appears to be localized contamination at this site with serious structure problems continued excavation. If Marie is ok with closure., sample results are within LUFT criteria. Official report to come.

R Rigg

SAN BERNARDINO COUNTY - DEHS
HAZARDOUS MATERIALS FIELD SERVICES PROGRAM
UNDERGROUND STORAGE TANK REMOVAL
INSPECTION FORM

Date: FEB 21 1992 Time: 9 30

Facility Name: GE, AVIATION

Location: 1923 AVION ONTARIO

Contractor: DISPOSAL CONTROL / DAMES & MOORE

	Quantity	Hauler	Method	Destination	PPM
Triple Rinsate:				PRC (FONTANA)	N/A
Tanks:	1	DISPOSAL CONTROL		ERICSONS	N/A
Contaminated soil:					

Manifest #: 90375419 Dry Ice Used (10-15 lb/1000 gal): 40 Lbs

	Tank#	Size	Material held	UL#	Appearance (sound, rusty, etc)
1.	1	1000	JET FUEL A	E414465	SOUND SL RUST TAR
2.					
3.					
4.					
5.					

Manufact date 1962

	Sample#	Date	Sample description (color/odor)	Location	Depth	Results
1.	T1a	2-21	GREY TAN odor	S	10' (2')	8015 8020
2.	T2a	2-21	TAN no odor	N	10' (2')	8020 8015
3.	T1b	2-21	GREY TAN odor	S	13' (4')	
4.	T2b			N	4'	
5.	spoil					

ON-SITE MOBIL LAB

Taken By: ANDREW KANDEL / DAMES & MOORE Laboratory: ENSECO LAB

Container: _____ Refrigeration: _____ Headspace: _____

Splits: _____ Labels: _____ Seals: _____

Chain of custody: _____ EPA Test #s Requested: _____

Gasoline: 8015, 8020, 7420 (Pb); Diesel: 418.1 or 8015

Solvents: 8010; Waste Oil: 418.1 + 7030 (Cd), 7190 (Cr), 7950 (Zn), 7420 (Pb), 7080 (As), 8080 (PCBs)

Inspectors: AQMD: _____

FIRE: _____

OTHER: _____

FORMS COMPLETED:	DATE COMPLETED:
1. Unauthorized Release Form	_____
2. Log Sheet (for site mitigations)	_____
3. Proposition 65 Report	_____
4. "Order to Investigate" Letter	_____
5. Adjustment to APBS	_____
6. SWEEPS (Forms A and B)	_____

SCAQMD REFERENCE # _____

1166 situation reported (describe in detail): _____

_____

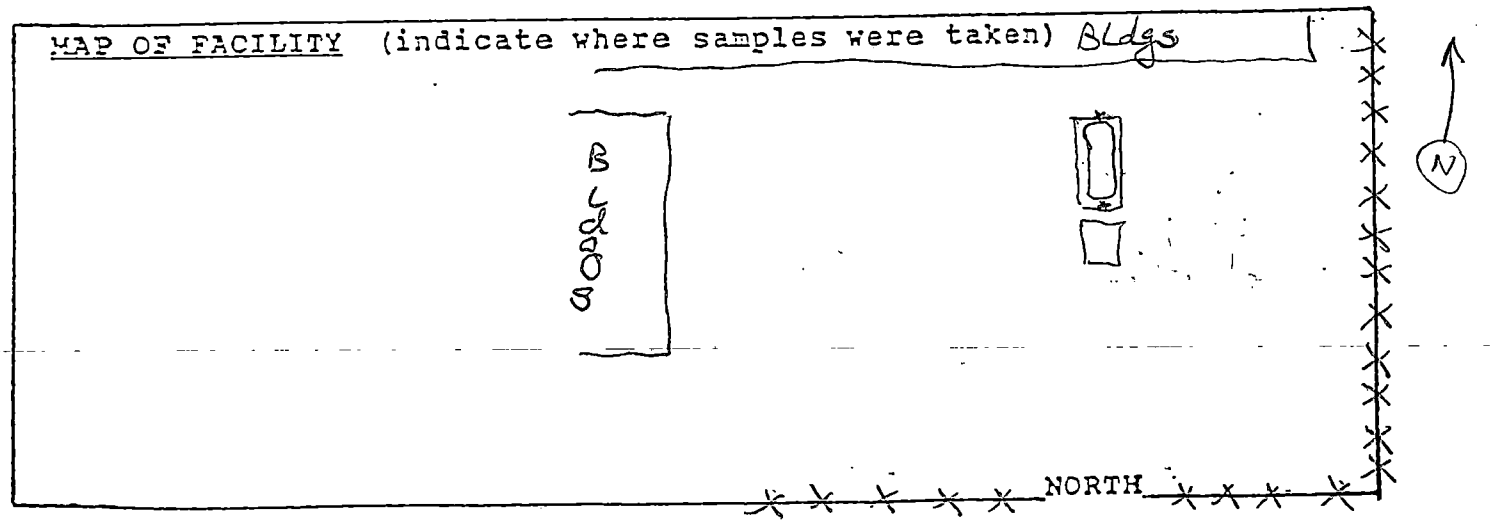
_____

Date	Time	Person Contacted
_____	_____	_____

SCAQMD PHONE NUMBERS

(818) 572-6195 (800) 572-6306

MAP OF FACILITY (indicate where samples were taken) Bldgs



_____ _____

INSPECTOR DATE

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

2. Generator's US EPA ID No.	Manifest Document No.	Page 1 of	Information in the shaded areas is not required by Federal law.
CA1010015141212121	5011131	1	

GENERATOR

3. Generator's Name and Mailing Address
GENERAL ELECTRIC COMPANY
1923 EAST AVION STREET
ONTARIO, CALIFORNIA 91761

4. Generator's Phone (714) 391-5274 ATTN: ROBERT GIBSON

A. State Manifest Document Number: 90350434

B. State Generator's ID: 11111131-1010515101

5. Transporter 1 Company Name: DISPOSAL CONTROL SERVICE, INC.
6. US EPA ID Number: CAT100013111 10 14

C. State Transporter's ID: 213020

D. Transporter's Phone: (714) 983-0342

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY, CA 93239
10. US EPA ID Number: CAT100011111117

G. State Facility's ID: CAT100011111171

H. Facility's Phone: (209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NON-RCRA HAZARDOUS WASTE SOLID, N.O.S.	0101	CM	00095	T	State 111 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
9. SOIL FROM UNDERGROUND STORAGE TANK EXCAVATION, SLIGHTLY CONTAMINATED WITH CALIBRATION FLUID

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
ALD U92

24-HOUR EMERGENCY RESPONSE TELEPHONE NUMBER (714) 299-8582

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
ROBERT T. GIBSON	Robert T Gibson	10	12	92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JULIO OCHOA	Julio Ochoa	10	12	92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

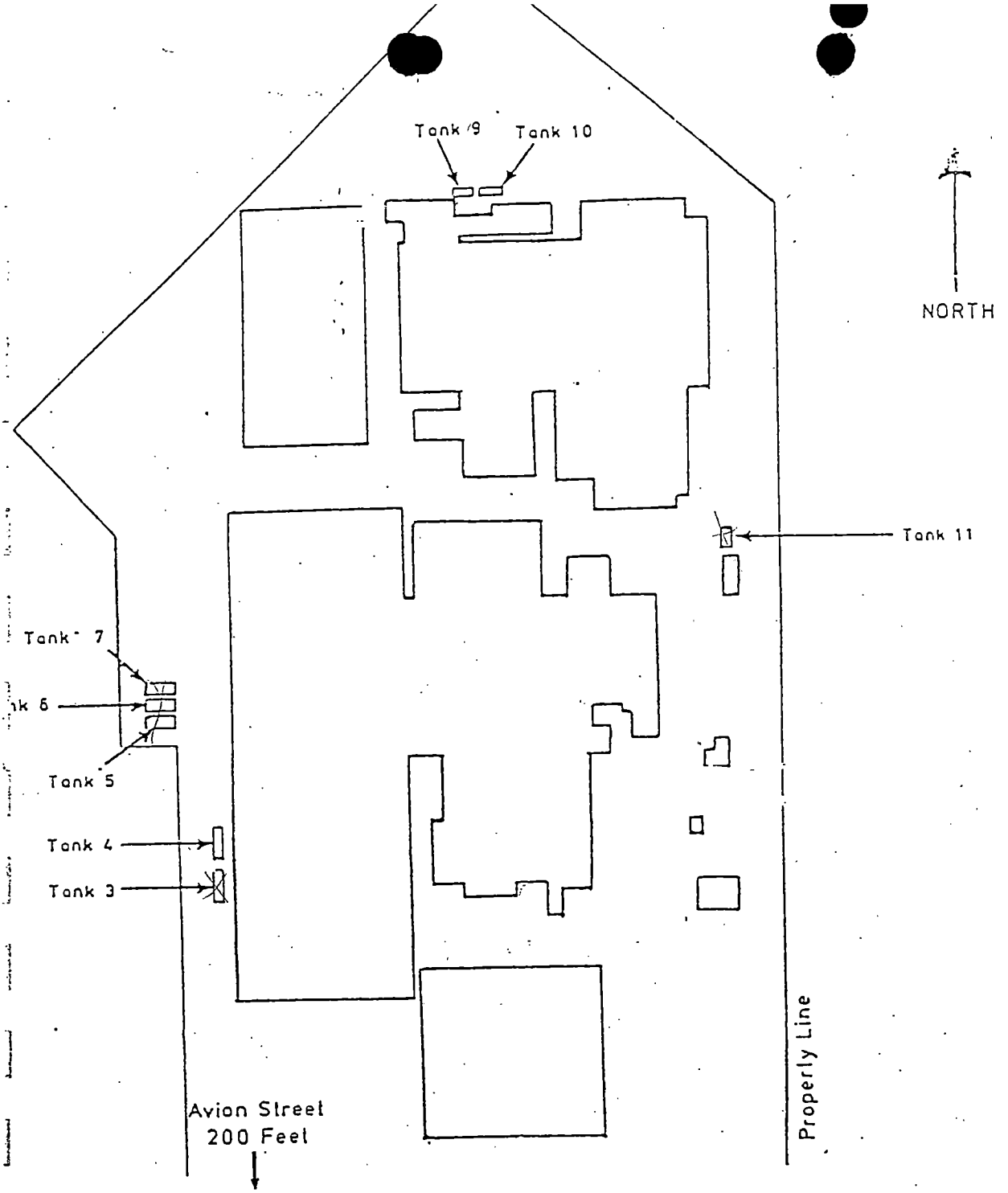
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

90350434

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400



NOTE: Tanks 1 and 2 do not exist

FIGURE 1—1.

TANK LOCATION MAP — ONTARIO FACILITY

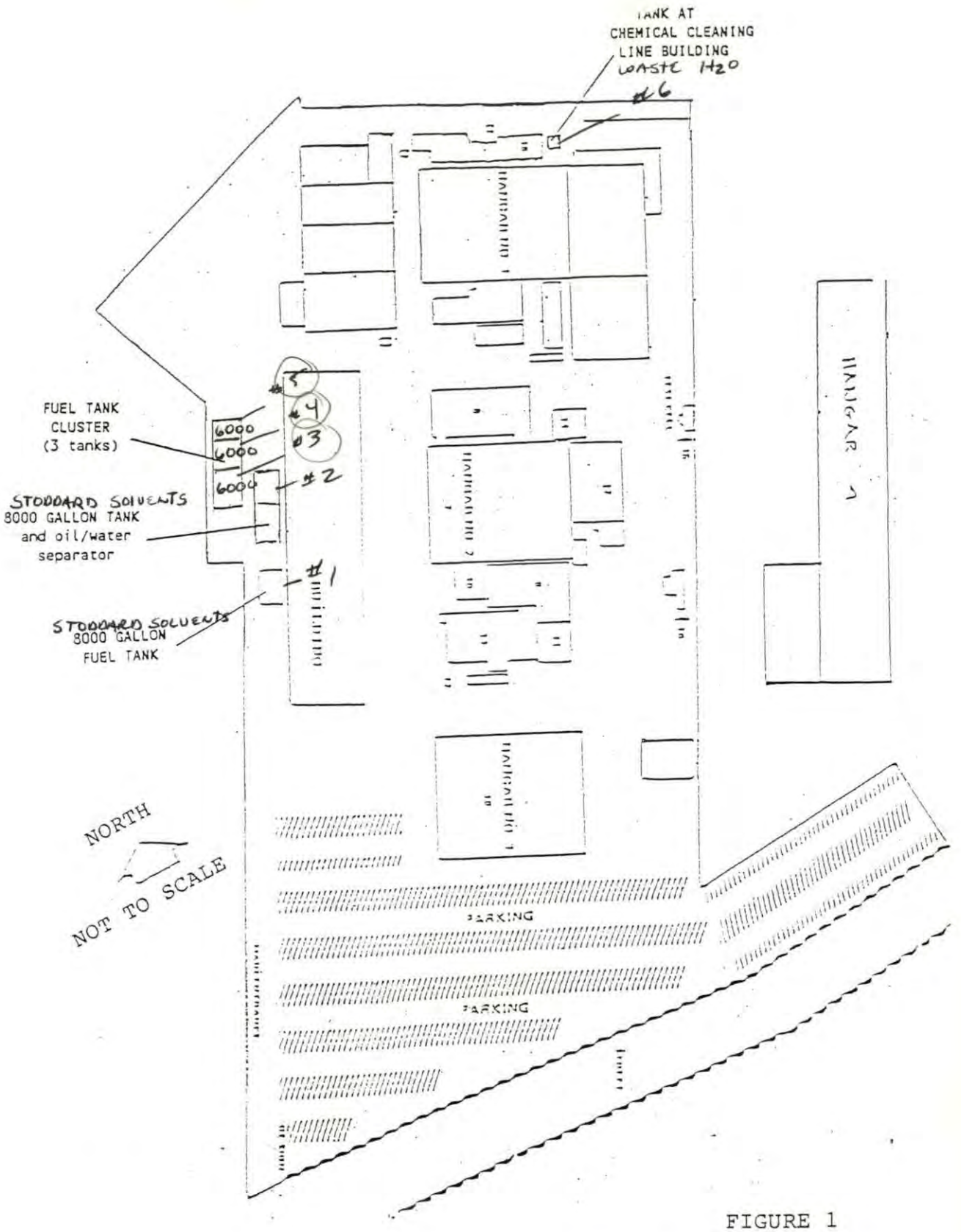


FIGURE 1

GENERAL ELECTRIC COMPANY
UNDERGROUND TANK LOCATIONS

Tel 213 725 6916 Inside CA 800 523 1727

McKesson

7431 SS

Ms. Cynthia Paulo
Environmental Quality and Safety Engineer
General Electric Co.
Aviation Service Operation
1923 E. Avion St.
Ontario, CA 91761

SUBJECT: Tank Integrity Test Results
General Electric Co., Ontario, CA

Dear Cynthia,

The following report summarizes the results of the tank integrity testing program conducted to date at your facility. These tests were conducted by McKesson Environmental Services (MES) between January 29, 1986 and June 2, 1986. Testing was performed using both the Horner EZY-CHEK and Heath Petro-tite methods of tank integrity testing. The results of the testing program are shown in Table 1. Copies of the data sheets generated during testing are attached.

Of the nine tanks tested to date, tanks 3, 4, 5, 9, 10, and 11 were found to be product tight with measured net volume changes ("leak rates") of -.033, -.036, -.041, -.002, -.047 and -.006 gallons/hour respectively. These tests were conducted in such as fashion as to simultaneously test both the tanks and their associated piping. Certificates of compliance will be issued for each of these tanks at the conclusion of the complinace program.

Tanks 6 and 7 - the two 5000g Diesel tanks - are manifolded together and consequently were tested as a single system. The measured net volume change for these two tanks was -.097 gallons/hr. This exceeds the maximum acceptable result ($\pm$.05 gallons/hour as established by the National Fire Protection Association) and indicates a leaking system. A low level retest of both of these tanks was performed to test the integrity of the tank shells only. The net volume changes measured during these tests, -.003 and +.004 gallons/hour for tanks 6 and 7 respectively, indicate that each tank shell is product tight and that the leak identified during the initial test is located at or above to top of the tanks - a "piping leak."

Initial testing of tank 8 indicated a system leak which was too large to measure. (The product level was visually observed to drop in the fillpipe.) Low level retesting of the tank shell yielded a net volume change of +.024 gallons/hour indicating

that the tank shell is product tight and that the leak is located at or above the top of the tank.

MES is currently preparing a bid for review by General Electric to conduct the necessary piping repairs on the tanks discussed above. If you have any questions concering this report or any other phase of the program please contact me.

Very truly yours,

Gerard L. Slattery

Gerard L. Slattery
Program Engineering Geologist

GLS/hly

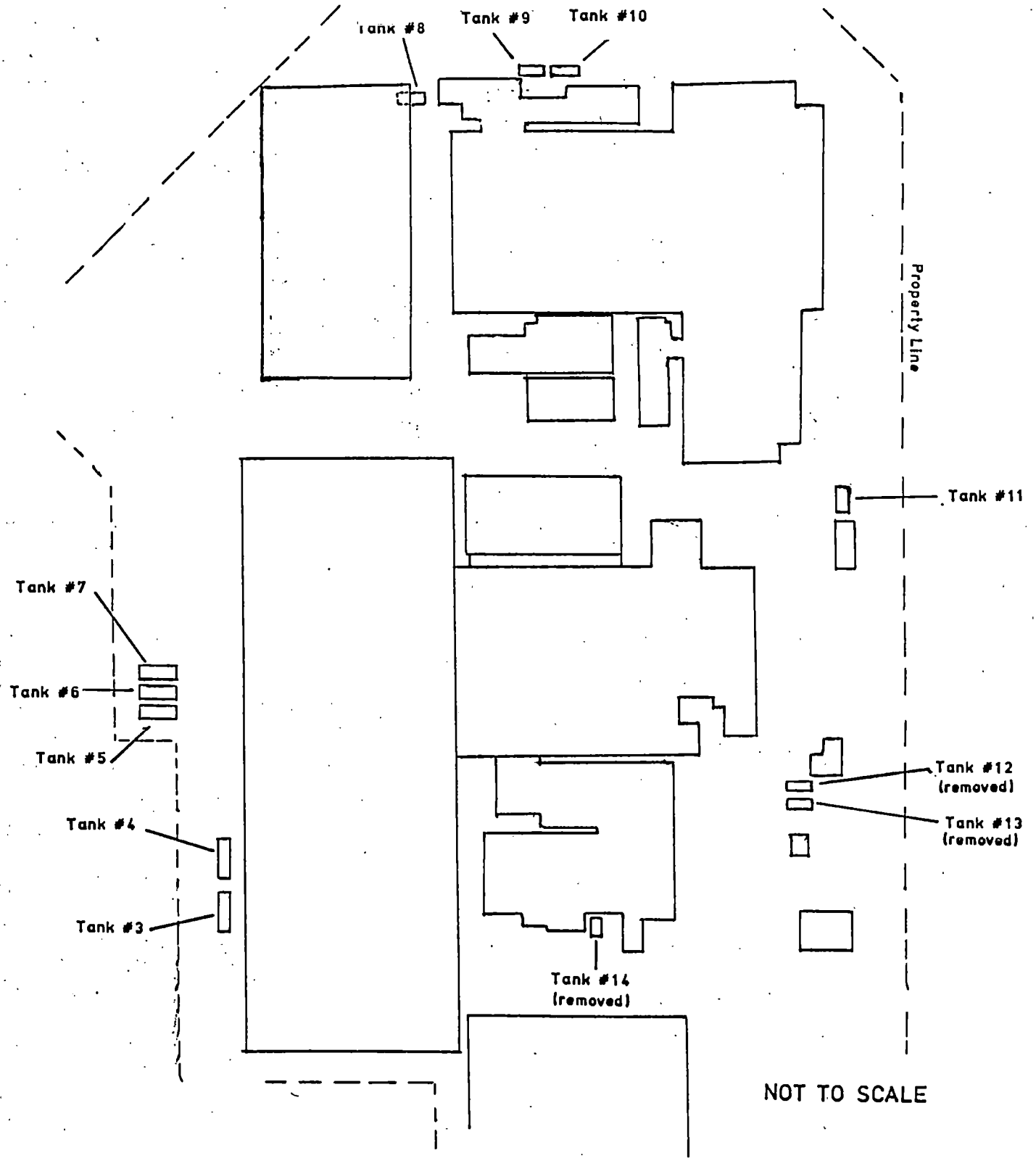
Enclosure

TABLE 1 - Tank Integrity Test Results
General Electric, Ontario

TANK			TEST				
#	Capacity	Product	Level	Result	Method	Date	Indication
3	8000g	Calibration Fluid	High	-.033	HEC	2/14/86	System Tight
4	3000g	Cal. Fluid Waste	High	-.036	PT	2/12/86	System Tight
5	6000g	Gasoline	High	-.041	PT	1/29/86	System Tight
6	6000g	Diesel*	High	-.097	HEC	4/18/86	
			Low	-.003	HEC	4/18/86	Piping Leak
7	6000g	Diesel*	High	-.097	HEC	4/18/86	
			Low	+.004	HEC	4/18/86	Piping Leak
8	250g	Cal. Fluid Waste	High	TLTM	HEC	4/28/86	
			Low	+.024	HEC	4/28/86	Piping Leak
9	6000g	Calibration Fluid	High	-.002	PT		System Tight
10	2000g	Cal. Fluid Waste	High	-.047	HEC	5/30/86	System Tight
11	2000g	Jet A	High	-.006	HEC	6/2/86	System Tight

* - Manifolded Tanks
TLTM - Leak rate too large to measure

HEC - Horner EZY-CHEK
PT - Petro-tite



UNDERGROUND STORAGE TANK LOCATIONS

General Electric, Ontario, CA

McKesson Environmental Services

FIGURE 1

DRAWING NUMBER 93-155-E6

As of 11-5-93
3 EXISTING UGST's

N

8,000 GALLON UST AND ASSOCIATED OIL/WATER SEPARATOR (HWMU NO.4)

VAULTED OIL/WATER SEPARATOR

MAIN ENTRANCE

ADMIN.

OVERHAUL ASSEMBLY BALANCE AND INSPECTION

Hanger #5

INSPECTION

FORMER 280 GALLON UST (HWMU NO.1)

FORMER 280 GALLON UST (HWMU 2)

FORMER 1,200 GALLON UST (HWMU 2)

2000 gallon

Flow Room

MACHINE SHOP AND HEAT TREAT

Hanger #3

SHIPPING/ RECEIVING

Hanger #2

Hanger #1 ASSEMBLY

TEMP HAZ. WASTE Storage area (3 Bins)
- Flammable
- Corrosive
- Flammable/HEALTH

EXISTING 2,000 GALLON UST (HWMU 3)

GUARD HOUSE

TRUCK ENTRANCE

AVION STREET

COMPRESSOR AIR SUPPLY

EXPANDED DRUM STORAGE AREA (HWMU NO. 5)

TEST CELL

WATER TREATMENT (HWMU 6)

① → → * GRIT BLAST AREA ②

STOCK ROOM AND ACCUMULATION

HANGER #5

APPROXIMATE SCALE
60 0 60 120 FEET

PLOT PLAN
ENGINE MAINTENANCE CENTER
1923 EAST AVION STREET
ONTARIO, CALIFORNIA

PREPARED FOR

G.E. AIRCRAFT ENGINES
ONTARIO, CALIFORNIA

Canonie Environmental

No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	APP'D BY
1	8-13-93	ISSUED FOR PROPOSAL	DS		

DATE:	8-9-93	FIGURE 2	DRAWING NUMBER 93-155-E6	1
SCALE:	AS SHOWN			

APPLICATION FOR HEALTH PERMIT
PROGRAM INFORMATION

DATE 02/19/1993
PAGE 3

ESTABLISHMENT NUMBER: 86008643

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 8809020176 - HAZARDOUS WASTE GENERATOR

NBR EMPLS : 600 500

TYPES OF WASTE GENERATED: Flammable Liquid in lab pack
YEARLY VOLUME (LBS/GALS): 290 lbs
DISPOSAL METHOD : Incineration

TYPES OF WASTE GENERATED: Flammable Compressed Gas
YEARLY VOLUME (LBS/GALS): 50 lbs
DISPOSAL METHOD : Incineration

TYPES OF WASTE GENERATED: Soil Contaminated with Jet Fuel
YEARLY VOLUME (LBS/GALS): 155,280 lbs
DISPOSAL METHOD : Landfill

TYPES OF WASTE GENERATED: Water and Jet Fuel
YEARLY VOLUME (LBS/GALS): 100 gals
DISPOSAL METHOD : Recycle

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION INVOLVED WITH GENERATING/HANDLING/MANAGING HAZARDOUS MATERIALS
NOTE: NBR EMPLS IS THE NUMBER OF FULL-TIME EMPLOYEES

FOR OFFICE USE ONLY:

CATGY: 228706 EXP: 05/30/1993 LOC: 60

SANI : 0300 MFR: APN:

APPLICATION FOR HEALTH PERMIT
PROGRAM INFORMATION

DATE 02/19/1993
PAGE 3

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PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 8809020176 - HAZARDOUS WASTE GENERATOR

NBR EMPLS : 600 500

TYPES OF WASTE GENERATED: Alkaline Liquid Stripper
YEARLY VOLUME (LBS/GALS): 100 gals
DISPOSAL METHOD : Recycle

TYPES OF WASTE GENERATED: Bulked Solvents - acetone and alcohol
YEARLY VOLUME (LBS/GALS): 110 gals
DISPOSAL METHOD : Recycle

TYPES OF WASTE GENERATED: Sodium Bisulfite with Water
YEARLY VOLUME (LBS/GALS): 85 gals
DISPOSAL METHOD : Chemical Treatment

TYPES OF WASTE GENERATED: Combustible Liquid in lab pack
YEARLY VOLUME (LBS/GALS): 20 gals
DISPOSAL METHOD : Incineration

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION INVOLVED WITH GENERATING/HANDLING/MANAGING HAZARDOUS MATERIALS
NOTE: NBR EMPLS IS THE NUMBER OF FULL-TIME EMPLOYEES

FOR OFFICE USE ONLY:

CATGY: 228706 EXP: 05/30/1993 LOC: 60

SANI : 0300 MFR: APN:

APPLICATION FOR HEALTH PERMIT
PROGRAM INFORMATION

DATE 02/19/1993
PAGE 3

ESTABLISHMENT NUMBER: 86008643

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 8809020176 - HAZARDOUS WASTE GENERATOR

NBR EMPLS : 600 500

TYPES OF WASTE GENERATED: 1,1,1-Trichloroethane Distrillation Sludge
YEARLY VOLUME (LBS/GALS): 550 gals
DISPOSAL METHOD : Recycle

TYPES OF WASTE GENERATED: Waste Oil and Jet Fuel
YEARLY VOLUME (LBS/GALS): 2,760 gals
DISPOSAL METHOD : Recycle Fuels

TYPES OF WASTE GENERATED: Solvents (Stoddard Type with Chlorinated)
YEARLY VOLUME (LBS/GALS): 110 gals
DISPOSAL METHOD : Recycle

TYPES OF WASTE GENERATED: Spent Caustic Concentrates
YEARLY VOLUME (LBS/GALS): 110 gals
DISPOSAL METHOD : Tank Treatment and Landfill

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
INVOLVED WITH GENERATING/HANDLING/MANAGING HAZARDOUS MATERIALS
NOTE: NBR EMPLS IS THE NUMBER OF FULL-TIME EMPLOYEES

FOR OFFICE USE ONLY:

CATGY: 228706 EXP: 05/30/1993 LOC: 60

SANI : 0300 MFR: APN:

APPLICATION FOR HEALTH PERMIT
PROGRAM INFORMATION

DATE 02/19/1993
PAGE 3

ESTABLISHMENT NUMBER: 86008643

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 8809020176 - HAZARDOUS WASTE GENERATOR

NBR EMPLS : 600 500

TYPES OF WASTE GENERATED: Detergent Additive
YEARLY VOLUME (LBS/GALS): 55 gals
DISPOSAL METHOD : Recycle

TYPES OF WASTE GENERATED: Epoxy Resin and Water
YEARLY VOLUME (LBS/GALS): 25 gals
DISPOSAL METHOD : Recycle

TYPES OF WASTE GENERATED: Bottom Sludge from Cooling Tower
YEARLY VOLUME (LBS/GALS): 50 gals
DISPOSAL METHOD : Tank Treatment and Landfill

TYPES OF WASTE GENERATED: Poison B Liquid (Methylenedianiline)
YEARLY VOLUME (LBS/GALS): 6 lbs
DISPOSAL METHOD : Incineration

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION INVOLVED WITH GENERATING/HANDLING/MANAGING HAZARDOUS MATERIALS
NOTE: NBR EMPLS IS THE NUMBER OF FULL-TIME EMPLOYEES

FOR OFFICE USE ONLY:

CATGY: 228706 EXP: 05/30/1993 LOC: 60

SANI : 0300 MFR: APN:

ESTABLISHMENT NUMBER: 86008643

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 8809020176 - HAZARDOUS WASTE GENERATOR

NBR EMPLS : 600 500

TYPES OF WASTE GENERATED: Dried Paint and RTV
YEARLY VOLUME (LBS/GALS): 160 lbs
DISPOSAL METHOD : Landfill

TYPES OF WASTE GENERATED: Debris and Absorbent contaminated with 1,1,1-TCA
YEARLY VOLUME (LBS/GALS): 550 lbs
DISPOSAL METHOD : Landfill

TYPES OF WASTE GENERATED: Thinner and Weed Oil
YEARLY VOLUME (LBS/GALS): 50 gals
DISPOSAL METHOD : Recycle

TYPES OF WASTE GENERATED: Trimsol (Machine Coolant)
YEARLY VOLUME (LBS/GALS): 330 gals
DISPOSAL METHOD : Recycle

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION INVOLVED WITH GENERATING/HANDLING/MANAGING HAZARDOUS MATERIALS
NOTE: NBR EMPLS IS THE NUMBER OF FULL-TIME EMPLOYEES

FOR OFFICE USE ONLY:

CATGY: 228706 EXP: 05/30/1993 LOC: 60

SANI : 0300 MFR: APN:

ESTABLISHMENT NUMBER: 86008643

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 8809020177 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 600 500

HAZARDOUS MATERIALS HANDLED: ~~Spent 9-Volt Alkaline~~ Batteries
YEARLY VOLUME (LBS/GALS) : ~~550 lbs.~~
DISPOSAL METHOD : ~~Landfill~~

HAZARDOUS MATERIALS HANDLED: Waste Water Pretreatment Sludge
YEARLY VOLUME (LBS/GALS) : 18,650 lbs
DISPOSAL METHOD : Landfill

HAZARDOUS MATERIALS HANDLED: Aluminum Oxide Grit Residue
YEARLY VOLUME (LBS/GALS) : 22,400 lbs
DISPOSAL METHOD : Landfill and Other

HAZARDOUS MATERIALS HANDLED: Oil Soaked Materials
YEARLY VOLUME (LBS/GALS) : 11,950 lbs
DISPOSAL METHOD : Landfill

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
NOTE: NBR EMPLS IS THE NUMBER OF FULL-TIME EMPLOYEES INVOLVED WITH GENERATING/HANDLING/MANAGING HAZARDOUS MATERIALS

FOR OFFICE USE ONLY:

CATGY: 226007 EXP: 05/30/1993 LOC: 60

SANI : 0300 MFR: 112289 APN:

ESTABLISHMENT NUMBER: 86008643

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 8809020177 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 600 500

HAZARDOUS MATERIALS HANDLED: ~~Versene Detergent and~~ Water
YEARLY VOLUME (LBS/GALS) : ~~165 gals~~
DISPOSAL METHOD : ~~Tank Treatment and~~ Landfill

HAZARDOUS MATERIALS HANDLED: ~~Reacted Two Part Epoxy~~ Resin
YEARLY VOLUME (LBS/GALS) : ~~400 lbs~~
DISPOSAL METHOD : ~~Landfill~~

HAZARDOUS MATERIALS HANDLED: Corrosive Mixture in lab pack
YEARLY VOLUME (LBS/GALS) : 310 lbs
DISPOSAL METHOD : Incineration

HAZARDOUS MATERIALS HANDLED: Flammable Liquid in lab pack
YEARLY VOLUME (LBS/GALS) : 353 lbs
DISPOSAL METHOD : Incineration

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
NOTE: NBR EMPLS IS THE NUMBER OF FULL-TIME EMPLOYEES INVOLVED WITH GENERATING/HANDLING/MANAGING HAZARDOUS MATERIALS

FOR OFFICE USE ONLY:

CATGY: 226007 EXP: 05/30/1993 LOC: 60

SANI : 0300 MFR: 112289 APN:

ESTABLISHMENT NUMBER: 86008643

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 8809020177 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 600 500

HAZARDOUS MATERIALS HANDLED: Soil Contaminated with Stoddard Solvent
YEARLY VOLUME (LBS/GALS) : 56,240 lbs
DISPOSAL METHOD : Landfill

HAZARDOUS MATERIALS HANDLED: Metal Oxide Powder
YEARLY VOLUME (LBS/GALS) : 2,800 lbs
DISPOSAL METHOD : Landfill

HAZARDOUS MATERIALS HANDLED: Fiberglass with Bentonite
YEARLY VOLUME (LBS/GALS) : 300 lbs
DISPOSAL METHOD : Landfill

HAZARDOUS MATERIALS HANDLED: RCRA Empty Drums contaminated with Solvents
YEARLY VOLUME (LBS/GALS) : 2,000 lbs
DISPOSAL METHOD : Landfill

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
NOTE: NBR EMPLS IS THE NUMBER OF FULL-TIME EMPLOYEES INVOLVED WITH GENERATING/HANDLING/MANAGING HAZARDOUS MATERIALS

FOR OFFICE USE ONLY:

CATGY: 226007 EXP: 05/30/1993 LOC: 60

SANI : 0300 MFR: 112289 APN:

ESTABLISHMENT NUMBER: 86008643

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 8809020177 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 600 500

HAZARDOUS MATERIALS HANDLED: Waste Oxidizer Mixture in lab pack
YEARLY VOLUME (LBS/GALS) : 250 lbs
DISPOSAL METHOD : Incineration

HAZARDOUS MATERIALS HANDLED: Non-RCRA Hazardous Waste Liquid
YEARLY VOLUME (LBS/GALS) : 438 lbs
DISPOSAL METHOD : Incineration

HAZARDOUS MATERIALS HANDLED: Flammable Solid Mixture
YEARLY VOLUME (LBS/GALS) : 225 lbs
DISPOSAL METHOD : Incineration

HAZARDOUS MATERIALS HANDLED: Waste ORM-A in lab pack
YEARLY VOLUME (LBS/GALS) : 100 lbs
DISPOSAL METHOD : Incineration

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PERMIT: 8809020177 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 600 500

HAZARDOUS MATERIALS HANDLED: Asbestos
YEARLY VOLUME (LBS/GALS) : 75 lbs
DISPOSAL METHOD : Landfill

HAZARDOUS MATERIALS HANDLED: Sweco Rocks
YEARLY VOLUME (LBS/GALS) : 2,000 lbs
DISPOSAL METHOD : Landfill

HAZARDOUS MATERIALS HANDLED: Diphenyl Oxylphosphate and Mineral Oil
YEARLY VOLUME (LBS/GALS) : 165 gals
DISPOSAL METHOD : Recycle

HAZARDOUS MATERIALS HANDLED: Ethoxylated Alkyl Phenol and Water
YEARLY VOLUME (LBS/GALS) : 55 gals
DISPOSAL METHOD : Recycle

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PERMIT: 8809020177 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 600 500

HAZARDOUS MATERIALS HANDLED: Flammable Liquid in lab pack
YEARLY VOLUME (LBS/GALS) : 290 lbs
DISPOSAL METHOD : Incineration

HAZARDOUS MATERIALS HANDLED: Flammable Compressed Gas
YEARLY VOLUME (LBS/GALS) : 50 lbs
DISPOSAL METHOD : Incineration

HAZARDOUS MATERIALS HANDLED: Soil Contaminated with Jet Fuel
YEARLY VOLUME (LBS/GALS) : 155,280 lbs
DISPOSAL METHOD : Landfill

HAZARDOUS MATERIALS HANDLED: Water and Jet Fuel
YEARLY VOLUME (LBS/GALS) : 100 gals
DISPOSAL METHOD : Recycle

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
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PERMIT: 8809020177 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 600 500

HAZARDOUS MATERIALS HANDLED: Alkaline Liquid Stripper
YEARLY VOLUME (LBS/GALS) : 100 gals
DISPOSAL METHOD : Recycle

HAZARDOUS MATERIALS HANDLED: Bulked Solvents - acetone and alcohol
YEARLY VOLUME (LBS/GALS) : 110 gals
DISPOSAL METHOD : Recycle

HAZARDOUS MATERIALS HANDLED: Sodium Bisulfite with Water
YEARLY VOLUME (LBS/GALS) : 85 gals
DISPOSAL METHOD : Chemical Treatment

HAZARDOUS MATERIALS HANDLED: Combustible Liquid in lab pack
YEARLY VOLUME (LBS/GALS) : 20 gals
DISPOSAL METHOD : Incineration

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
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PERMIT: 8809020177 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 600 500

HAZARDOUS MATERIALS HANDLED: 1,1,1-Trichloroethane Distillation Sludge
YEARLY VOLUME (LBS/GALS) : 550 gals
DISPOSAL METHOD : Recycle

HAZARDOUS MATERIALS HANDLED: Waste Oil and Jet Fuel
YEARLY VOLUME (LBS/GALS) : 2,760 gals
DISPOSAL METHOD : Recycle Fuels

HAZARDOUS MATERIALS HANDLED: Solvents (Stoddard Type with Chlorinated)
YEARLY VOLUME (LBS/GALS) : 110 gals
DISPOSAL METHOD : Recycle

HAZARDOUS MATERIALS HANDLED: Spent Caustic Concentrates
YEARLY VOLUME (LBS/GALS) : 110 gals
DISPOSAL METHOD : Tank Treatment and Landfill

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
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PERMIT: 8809020177 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 600 500

HAZARDOUS MATERIALS HANDLED: Detergent Additive
YEARLY VOLUME (LBS/GALS) : 55 gals
DISPOSAL METHOD : Recycle

HAZARDOUS MATERIALS HANDLED: Epoxy Resin and Water
YEARLY VOLUME (LBS/GALS) : 25 gals
DISPOSAL METHOD : Recycle

HAZARDOUS MATERIALS HANDLED: Bottom Sludge from Cooling Tower
YEARLY VOLUME (LBS/GALS) : 50 gals
DISPOSAL METHOD : Tank Treatment and Landfill

HAZARDOUS MATERIALS HANDLED: Poison B Liquid (Methylenedianiline)
YEARLY VOLUME (LBS/GALS) : 6 lbs
DISPOSAL METHOD : Incineration

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PERMIT: 8809020177 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 600 500

HAZARDOUS MATERIALS HANDLED: Dried Paint and RTV
YEARLY VOLUME (LBS/GALS) : 160 lbs
DISPOSAL METHOD : Landfill

HAZARDOUS MATERIALS HANDLED: Debris and Absorbent contaminated with 1,1,1-TCA
YEARLY VOLUME (LBS/GALS) : 550 lbs
DISPOSAL METHOD : Landfill

HAZARDOUS MATERIALS HANDLED: Thinner and Weed Oil
YEARLY VOLUME (LBS/GALS) : 50 gals
DISPOSAL METHOD : Recycle

HAZARDOUS MATERIALS HANDLED: Trimsol (Machine Coolant)
YEARLY VOLUME (LBS/GALS) : 330 gals
DISPOSAL METHOD : Recycle

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
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NBR EMPLS : 600 500

HAZARDOUS MATERIALS HANDLED: Jet Fuel
YEARLY VOLUME (LBS/GALS) : 1,405,800 gals
DISPOSAL METHOD : Burned and Recycled

HAZARDOUS MATERIALS HANDLED: 70% Nitric Acid
YEARLY VOLUME (LBS/GALS) : 6,160 gals
DISPOSAL METHOD : On-site Spent Concentrate Neutralization and Waste Water Discharge

HAZARDOUS MATERIALS HANDLED: Sodium Hydroxide Solution
YEARLY VOLUME (LBS/GALS) : 6,800 gals
DISPOSAL METHOD : On-site Spent Concentrate Neutralization and Waste Water Discharge

HAZARDOUS MATERIALS HANDLED: Sodium Hydroxide with Potassium Permanganate Sol.
YEARLY VOLUME (LBS/GALS) : 3,400 gals
DISPOSAL METHOD : On-site Spent Concentrate Neutralization and Waste Water Discharge

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PERMIT: 8809020177 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 600 500

HAZARDOUS MATERIALS HANDLED: Sodium Hydroxide with Silicates
YEARLY VOLUME (LBS/GALS) : 1,700 gals
DISPOSAL METHOD : On-site Spent Concentrate Neutralization and Waste Water Discharge

HAZARDOUS MATERIALS HANDLED: 92% Sulfuric Acid
YEARLY VOLUME (LBS/GALS) : 1,490 gals
DISPOSAL METHOD : pH adjustment in Waste Water Pretreatment and Waste Water Discharge

HAZARDOUS MATERIALS HANDLED: 25% ~~XXX~~ Sodium Hydroxide
YEARLY VOLUME (LBS/GALS) : 6,250 gals
DISPOSAL METHOD : pH Adjustment in Waste Water Pretreatment

HAZARDOUS MATERIALS HANDLED: Stoddard Solvent
YEARLY VOLUME (LBS/GALS) : 1,100 gals
DISPOSAL METHOD : Recycle

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
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SANI : 0300 MFR: 112289 APN:


DEPT. OF ENVIRONMENTAL
HEALTH SERVICES
MAY - 7 1993

County of San Bernardino

DEPARTMENT OF EN' ...MENTAL HEALTH SERVICES • HAZARDOUS M... RIALS FIELD SERVICES

385 North Arrowhead Avenue, San Bernardino, CA 92415-0160 • (909) 387-3080

HAZARDOUS WASTE GENERATOR AND HAZARDOUS MATERIAL HANDLER INSPECTION REPORT

Facility Name: General Electric — Date: 17 Feb. 1995

Street Address: 1923 E. Avion St. — Establishment No.: B6008643

City: Ontario CA — Zip Code: 91761 — EPA No.: CAD 009542721

Business Contact: Tuan Ngo / David Lu — Business Phone No.: 909-391-5300 — Number of Employees: _____

Refer to Title 19/22 of the California Code of Regulations (CCR), Chapters 6.5 and 6.95 of the Health and Safety Code (HSC). The following Code sections are either in Violation (V) of or in Compliance (C) with the Hazardous Waste or Hazardous Materials laws and regulations, or compliance is Not Applicable, Not Addressed or Unknown (N).

GENERAL REQUIREMENTS		V	C	N
1. No Haz Waste Generator Permit	CHSC 25154		✓	
2. Authority to inspect/sample/photograph	CHSC 25185		✓	
3. Haz Waste Determination not made (T5)	CCR 66262.11			✓
4. No Haz Waste EPA Number (T6)	CCR66262.12(a)		✓	
5. Haz Waste treated w/o DTSC Permit (T1)	CCR 66270.1		✓	
LABELING AND STORAGE				
6. Haz Waste stored more than 90 days (T1)	CCR 66262.34(a)		✓	
7. Start Date not on labels (T25)	CCR 66262.34(f) (2)			✓
8. Haz Waste containers mislabeled (T28)	CCR 66262.34(f) (3)			✓
9. No labels on Haz Waste containers (T27)	CCR 66262.34(f) (3)		✓	
MANAGEMENT OF CONTAINERS				
10. Haz Waste containers not sound (T65)	CCR 66265.171		✓	
11. Haz Waste in incompatible container (T66)	CCR 66265.172		✓	
12. Haz Waste containers not closed (T67)	CCR 66265.173(a)		✓	
13. Haz Waste containers leaking (T68)	CCR 66265.173(b)		✓	
14. Storage Area not inspected weekly (T69)	CCR 66265.174		✓	
15. Incompatible Haz Waste storage (T73)	CCR 66265.177(c)		✓	
16. Mismanagement of Hazardous Waste	CHSC 25154		✓	
17. Mismanagement of Waste Batteries (T92)	CCR 66266.81			✓
MANAGEMENT OF WASTE OIL				
18. Unlawful management of Waste Oil	CHSC 25250.4			✓
19. Waste Oil contaminated w/ Haz Waste (T2)	CHSC 25250.7			✓
20. Receipt for Waste Oil incomplete	CHSC 25250.8(b) (4)			✓
21. Waste Oil Filters improperly managed	CCR 66266.130			✓
HAZARDOUS WASTE MANIFESTS				
22. Haz Waste transported w/o Manifest (T9)	CCR 66262.20(a)		✓	
23. Haz Waste Manifest incomplete (T13)	CCR 66262.23(a)		✓	
24. No Manifest sent to DTSC (T16)	CCR 66262.23(a) (4)		✓	
RECORDS				
25. No Receipts for Waste Oil	CHSC 25250.8(b)			✓
26. Failure to retain Manifest 3 yrs (T29)	CCR 66262.40(a)		✓	
27. Biennial Report not kept 3 yrs (T30)	CCR 66262.40(b)		✓	
28. Failure to retain Analysis 3 yrs (T31)	CCR 66262.40(c)		✓	
29. No Biennial Report filed w/ DTSC (T32)	CCR 66262.41(a)		✓	✓
30. Training Records unavailable (T78)	CCR 66265.16		✓	
DISPOSAL AND TRANSPORTATION				
31. Illegal disposal/abandonment of Haz Waste	CHSC 25189.5(a)			✓
32. Illegal disposal Waste Oil to Ground	CHSC 25250.5(a)			✓
33. Illegal transportation of Haz Waste	CHSC 25163			✓
34. Haz Waste transporter Unregistered	CCR 66263.17			✓
BUSINESS PLANS AND CONTINGENCY DOCUMENTS				
40. Failure to obtain Haz Mat Handlers Permit	CHSC 25513		✓	
41. Failure to establish a Business Plan (T79)	CHSC 25503.5		✓	
42. Failure to submit/update a Bus. Plan (T61)	CHSC 25505		✓	✓
43. Failure to report a release of Haz Mats	CHSC 25507			✓
44. Authority to inspect facility for Haz Mats	CHSC 25508			✓
45. Acutely Haz Mats Registration not filed	CHSC 25533(a)			✓

CORRECTIONS/NARRATIVES

Today's inspection was conducted to determine compliance with applicable laws and regulations (Haz. Materials / Haz. Wastes / and Tiered Permitting). The inspection was conducted with Mr. David Lu and Mr. Tuan Ngo.

A pre-inspection meeting was held with Mr. Lu and Mr. Ngo to review haz. material and haz. waste records (Business Plan, manifests, Training records, etc.), as well as complete the Tiered Permitting (T.P.) "checklist and Initial Verification Inspection Report."

GE. notified for:

*. 1 - CESW -
- unit ID - FTI-2
- " name - Drum rinsing operation
- 1 TANK and ~~no~~ 0 CONTAINERS

*. 1 - PBR
- unit ID - FTU-1
- " name - Spent Conc. Neut. Sys.
- 1 TANKS and 0 CONTAINERS

→

☒ Inspection _____ ☐ NOV Issued _____ ☒ Tiered Permit 15

☐ Reinspection _____ ☐ C.D. Date _____ Total Time 15.0

☐ Complaint _____ ☐ Tox.Tic. No. _____ Rev. _____ Ent. _____

Inspector Wayne Williams — Received by SENT BY US Mail

A:\HWTABLE.PM4 May 1993

15-19274-631

P. 2

County of San Bernardino – Environmental Management Group
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 17 Feb. 1995

INSPECTOR: W.W

FACILITY NAME: GE

FACILITY LOCATION: 1923 E. Avion, ONT.

NOTE: A thorough Handler/Generator Facility Inspection was conducted in November 1993.

A.) RECORDS REVIEW:

- BUSINESS/CONTINGENCY PLAN is on file and updated with DEHS. Facility copy is on site and available for review.
- HAZ. WASTE manifests are on site and available for review. for prior three years.
- Employee training conducted and logs maintained on site for review.
- HAZ. waste storage areas inspected weekly. (logs maintained on site).
- DEHS HAZ. Material and HAZ. WASTE Permits are current.

* • TIERED PERMITTING CHECKLIST REVIEW:

NOTE: ON 28 FEB. 1995 GE submitted an ~~AMEND~~ amended NOTIFICATION to DTSC AS follows:

① CESW – ① with 1 – WATER HOSE
0 – TANKS & 0 – CONTAINERS.

② PBR – ① with 17 TANKS (instead of 16)
1 CONTAINER

* A copy of amended NOTIFICATION was submitted to this Department.

→

15-17189-631 Rev. 6/91

Received By

P.3

County of San Bernardino — Environmental Management Group
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 17 Feb, 1995

INSPECTOR: WEW.

FACILITY NAME: GE

FACILITY LOCATION: 1923 E. AVION, ONT.

* GE HAS completed all items on the checklist:
  - TANKS are PE CERTIFIED
  - Monthly and quarterly sewer agency pre-treatment standards are maintained for Chino Basin.
  - Source Reduction documents and Reduction Plan are complete and on site for review.
  - Written operating instructions and records for treatment in the unit (daily/weekly) are maintained on site.
  - Written inspection schedule is complete and on site for review.
  - Written inspection log is complete and on site for review.
  - Secondary containment is provided for treatment in containers.

*. FOR PBR:
  - Waste Minimization certification is complete
  - WASTE ANALYSIS PLAN has been completed and is on site.
  - Waste analysis records are on site for review.
  - Closure Plan is available for units... It includes Financial Assurance.

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15-17189-631 Rev. 6/91

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P.4

County of San Bernardino — Environmental Management Group
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 17 Feb. 1995

INSPECTOR: W.W.

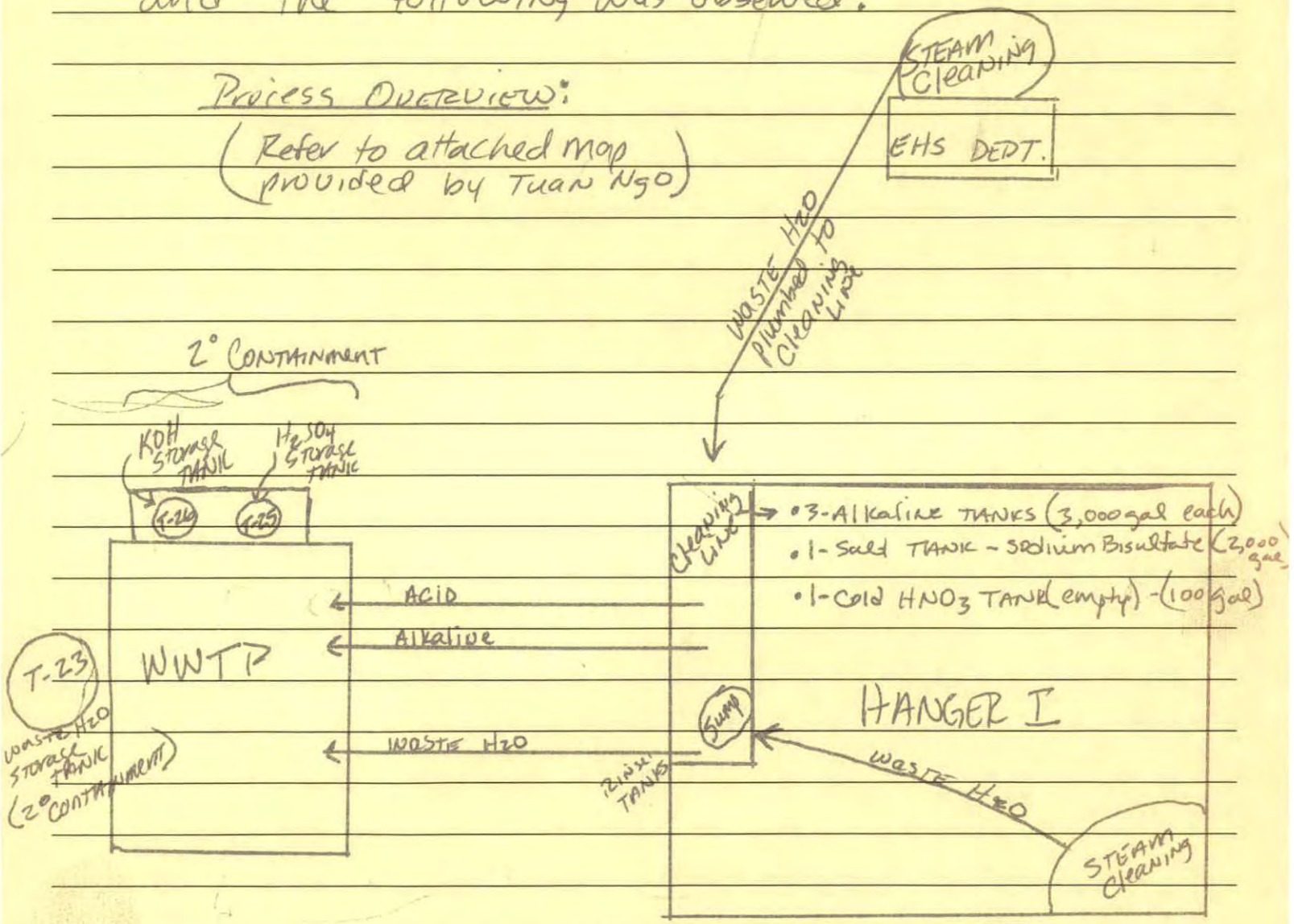
FACILITY NAME: GE

FACILITY LOCATION: 1923 E. Avion, ONT.

B.) An inspection was conducted with Mr. Lu and Mr. Ngo and the following was observed:

Process Overview:

(Refer to attached map provided by Tuan Ngo)



Cleaning Line: (7 TANKS) → ALL 7 TANKS are lined and have 2° CONTAINMENT

TANK #1	→ TANK 2	→ TANK 3	→ TANK 4	→ TANK 5	→ TANK 6	→ TANK 7
Sodium Hydrogen Sulfate (J-19)	NaOH (J-84)	Cold RINSE	NaOH + KMnO4 (J-88)	RINSE Cold	NaOH 180°-190°F (C-46)	HOT RINSE

→

15-17189-631 Rev. 6/91

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P.5

County of San Bernardino – Environmental Management Group
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 17 Feb. 1995
INSPECTOR: W.W.

FACILITY NAME: G.E.
FACILITY LOCATION: 1923 E. AVION, ONT.

NOTES ON PROCESS OVERVIEW:

- ALL tanks are Lined and have secondary CONTAINMENT
- Rinse/water Lines have Fiberglass/epoxy COATING.
- Waste acid and alkaline is pumped from cleaning line to WWTP. Piping has secondary CONTAINMENT.

(1) CESW UNIT:

- unit Name - Drum rinsing Operation
- unit ID number - FTI-2
- 1 water Hose / Ø TANKS / Ø CONTAINERS

- Process involves the use of a hose to rinse out the residuals from 55 gallon drums, and assorted CONTAINERS (RAW Material Drums). The rinsate flows ~~[illegible] sump weirs~~ through grate to sump with secondary CONTAINMENT. The rinsate is pumped to the treatment unit. The drums/CONTAINERS are re-used or returned to the manufacturer.

(2) PBR UNIT: (WASTE WATER TREATMENT PLANT)

- unit Name - Spent Concentrate Neutralization System.
- unit ID Number - FTU-1
- 17 TANKS / 1 CONTAINER.

→

15-17189-631 Rev. 6/91

Received By

P. 6

County of San Bernardino – Environmental Management Group
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 17 Feb. 1995

INSPECTOR: WW

FACILITY NAME: G.E.

FACILITY LOCATION: 1923 E. Avion, Ontario

- This waste water treatment plant (WWTP) is operated by Engineering-Science, Inc. and is called ETU-1. It is estimated that approx. 3,400 gallons of waste is treated in the unit.

* Specific waste types treated include:

1) 5 spent concentrate baths from cleaning line.
   - 2 acidic (J-19 & HNO_3)
   - 3 alkaline (J-88, J-84, C-46)
2) Waste water from oil-water separator at Test Cell facility.
3) Waste water from tanks at cleaning line and 2 steam cleaning units (located at EHS Dept. and at Hangar 1).

* Treatment processes used:

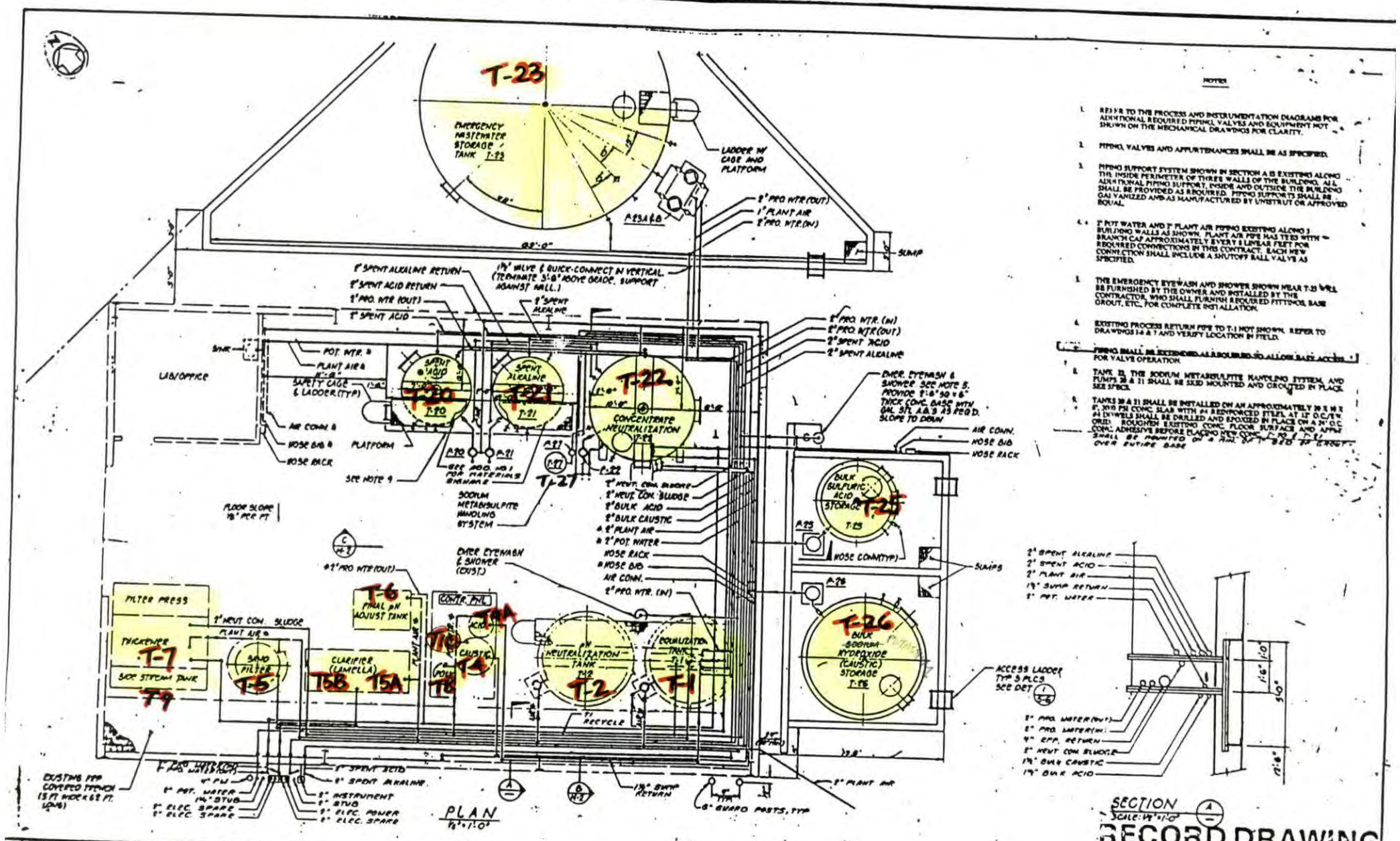
1) pH adjustment
2) Precipitation
3) Sludge handling/press

NOTE: At time of notification amendment – pipes in W.W.T.P. were modified to allow supernate from T-22 and Return line from sludge Thickener Tank (T-3) to go in to either Tank T-1 or T-2.

→

15-17189-631 Rev. 6/91

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NOTES

1. REFER TO THE PROCESS AND INSTRUMENTATION DIAGRAMS FOR ADDITIONAL REQUIRED PIPING, VALVES AND EQUIPMENT NOT SHOWN ON THE MECHANICAL DRAWINGS FOR CLARITY.
2. PIPING, VALVES AND APPURTENANCES SHALL BE AS SPECIFIED.
3. PIPING SUPPORT SYSTEM SHOWN IN SECTION A IS EXISTING ALONG THE INSIDE PERIMETER OF THREE WALLS OF THE BUILDING. ALL ADDITIONAL PIPING SUPPORT, INSIDE AND OUTSIDE THE BUILDING SHALL BE PROVIDED AS REQUIRED. PIPING SUPPORTS SHALL BE GALVANIZED AND AS MANUFACTURED BY UNISTRUT OR APPROVED EQUAL.
4. 2" POT. WATER AND 2" PLANT AIR PIPING EXISTING ALONG 3 BUILDING WALLS AS SHOWN. PLANT AIR PIPE HAS TEES WITH ¾" BRANCH CAP APPROXIMATELY EVERY 8 LINEAR FEET FOR REQUIRED CONNECTIONS IN THIS CONTRACT. EACH NEW CONNECTION SHALL INCLUDE A SHUTOFF BALL VALVE AS SPECIFIED.
5. THE EMERGENCY EYEWASH AND SHOWER SHOWN NEAR T-23 WILL BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR, WHO SHALL FURNISH REQUIRED FITTINGS, BASE GROUT, ETC., FOR COMPLETE INSTALLATION.
6. EXISTING PROCESS RETURN PIPE TO T-1 NOT SHOWN. REFER TO DRAWINGS 1-A & 7 AND VERIFY LOCATION IN FIELD.
7. PIPING SHALL BE EXTENDED AS A BOURDED TO ALLOW EASY ACCESS FOR VALVE OPERATION.
8. TANK 22, THE SODIUM METABISULFITE HANDLING SYSTEM, AND PUMPS 20 & 21 SHALL BE SKID MOUNTED AND GROUTED IN PLACE. SEE SPECS.
9. TANKS 20 & 21 SHALL BE INSTALLED ON AN APPROXIMATELY 20'-5" x 8'-5", 2000 PSI CONC. SLAB WITH #4 REINFORCED STEEL AT 12" O.C./E/W. #4 DOWELS SHALL BE DRILLED AND EPOXIED IN PLACE ON A 24" O.C. GRID. ROUGHEN EXISTING CONC. FLOOR SURFACE AND APPLY CONC. ADHESIVE BEFORE PLACING NEW CONC. SLAB & T-21 SHALL BE MOUNTED ON A MIN. 3/4" GRD. OVER ENTIRE BASE

RECORD DRAWING
DATE 12-27-90

AS CONSTRUCTED		AT 359		

ENGINEERING-SCIENCE
DIVISION OF RESEARCH & PLANNING
ES

R&D PROJECT NO. R38021

GENERAL ELECTRIC ONTARIO
ENGINE MAINTENANCE CENTER
WASTEWATER PRETREATMENT PLANT
PIPING PLAN AND SECTION

T-1 NOTES
M-1

p.7

County an Bernardino — Environmental Manag ent Group
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 17 FEB. 1995
INSPECTOR: WW.

FACILITY NAME: G.E.
FACILITY LOCATION: 1923 E. AVION, ONTARIO

* W.W.T.P. Process overview:

WASTE WATER → Pumped → 50,000 gallon storage TANK For Equilibration → pH adjustment → Bulk H_2SO_4 USED for pH Adjustment ↓ APPROX 10.7.

Rapid Flocculation Introduction of HNO_3 as polymer → Flocculation TANK with effluent → metal hydroxide sludge press → Sludge is recovered and shipped OFFSITE

recovered/Excess water is sent back to system. → TO Sand Filter → Final pH adjustment → discharge to Brine Line

* Bulk storage TANKS used in process (located inside Bldg.):
- TANK #20 - Spent acid tank - 25,000 gal.
- TANK #21 - Spent alkaline tank - 25,000 gal.
- TANK #22 - ~~NaOH~~ Concentration Neutralization TANK

* Treatment ~~reaction~~ restrictions include:
① pH ② Flow ③ Heavy metals.
* Heavy metals tested for include Cobalt & Nickel.

* Bulk storage TANKS (located to the North & EAST of Bldg):
- T-23 - 50,000 gal. waste water storage tank (NORTH SIDE)
- T-25 - Bulk H_2SO_4 - 2,000 gal. tank } EAST SIDE.
- T-26 - Bulk 25% $NaOH$ - 6,000 gal. tank }

Tanks in containment

→

15-17189-631 Rev. 6/91

Received By

P.8

County an Bernardino — Environmental Manag ent Group
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 17 Feb. 1995

INSPECTOR: W.W.

FACILITY NAME:	FACILITY LOCATION:
G.E.	1923 E. Avion, Ontario

Your efforts to comply with Tiered Permitting, Haz. waste and Haz. Materials laws and regulations are appreciated.

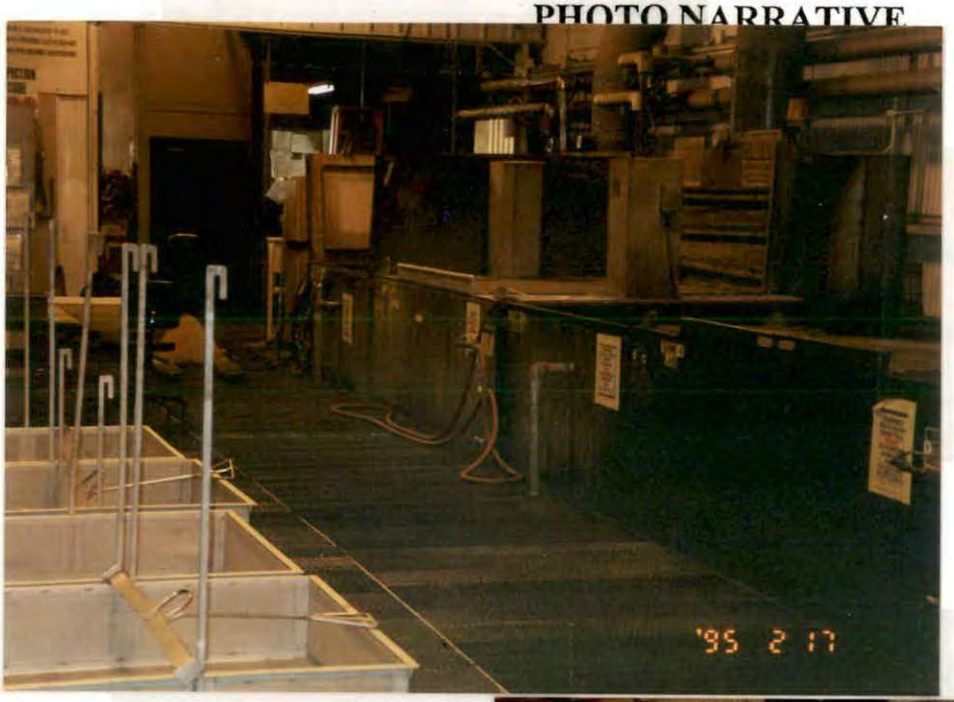
If you should have any questions please call me at 909-387-3080.

NOTE: Please review, sign, and submit the "checklist and Initial Verification Inspection Report" to this Department.

15-17189-631 Rev. 6/91

Received By

PHOTO NARRATIVE





Date Taken: 17 Feb. 1995 By: Wayne Williams

REMARKS:

Both Photos of Cleaning Line

Facility/Case Name: GE

Situs/Address: 1923 E. AVION, ONTARIO

PHOTO NARRATIVE



A



B

Date Taken: 17 Feb. 1995 By: Wayne Williams

REMARKS:

A)- Photo of Sodium Hydrogen Sulfate TANK (J-19). - CLEANING LINE

B)- Photo of 100 gal. (empty) HNO_3 TANK - CLEANING LINE

Facility/Case Name: GE

Situs/Address: 1923 E. AVION, ONTARIO

PHOTO NARRATIVE



A



B

Date Taken: 17 Feb. 1995 By: Wayne Williams

REMARKS:

A) Outside Identification of Waste Water Treatment Plant (FTU-1)

B) Inside view of WWTP.

Facility/Case Name: GE

Situs/Address: 1923 E. Avon, Ontario

PHOTO NARRATIVE





Date Taken: 17 Feb 1995 By: Wayne Williams

REMARKS:

Photos of waste water treatment system

Facility/Case Name: GE

Situs/Address: 1977 E. Avion, Ontario

PHOTO NARRATIVE





Date Taken: 17 Feb. 1995 By: Wayne Williams

REMARKS: WASTE WATER Treatment Plant

Facility/Case Name: GE

Situs/Address: 1923 E. AVION, ONTARIO

PHOTO NARRATIVE





Date Taken: 17 Feb. 1995 By: Wayne Williams

REMARKS:

Waste water treatment plant

Facility/Case Name: GE

Situs/Address: 1923 E. Avion, Ontario

PHOTO NARRATIVE



1A



B

Date Taken: 17 Feb. 1995 By: Wayne Williams

REMARKS:

A) WASTE WATER TREATMENT PLANT

B) " " " " (OUTSIDE)

Facility/Case Name:

Situs/Address:

PHOTO NARRATIVE





Date Taken: 17 Feb. 1995 By: Wayne Williams

REMARKS:

HA3. Waste Storage Area.

Facility/Case Name: GE

Situs/Address: 1923 E. Avion, Ontario

Submit to:
San Bernardino County Department of Environmental Health Services
385 N. Arrowhead, San Bernardino, CA 92415

HAZARDOUS WASTE GENERATOR PERMIT APPLICATION

General Electric Company - Aviation Service Shop Operation — 3724
Facility (Installation) Name — SIC #, if known

Ontario International Airport, Ontario, California 91761 — CAD 009542721
Mailing Address — EPA #, if known

600
Facility Address (if different from mailing address) — # of Employees

Robert Seguy — (714) 391-5424 — (714) 986-6731
Contact Person — Facility Phone # — Facility Phone #

General Electric
Owner Name

TYPES OF WASTES GENERATED (see list) (give specific chemical names, if known)	VOLUME PER MONTH (Pounds or Gallons)	DISPOSAL METHOD (see list/enter #)
See attached		

(ADD ADDITIONAL SHEET, IF NECESSARY)

Does your facility have underground storage of hazardous wastes? YES x (oil) NO ____

Does your facility have underground storage of hazardous material? YES x calibration fluid NO ____

Bob Seguy — Environmental/Safety Engineer
Person to be Contacted in Case of Emergency — Position

(714) 391-5424 — (213) 434-1716
Phone # — After Hrs. Phone # (CONF.)

I declare, under penalty of perjury, the information provided herein is true and correct to the best of my knowledge.

Robert Seguy — 1-31-84
Signature — Date

Environmental/Safety Engineer — (714) 986-6731
Title — Phone #

COUNTY USE ONLY

DATE 01/18/84
AMOUNT #300.00
RECEIPT NO. 903035
BY: [illegible]

PAID

22028

GENERAL ELECTRIC

AVIATION SERVICE DEPT.

ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CALIFORNIA 91761
TELEPHONE (714) 986-6731

AVIATION SERVICE
OPERATION/ONTARIO

January 31, 1984

San Bernardino County Department of
Environmental Health Services
385 North Arrowhead
San Bernardino, California 92415

Gentlemen:

Due to the nature of our business, we do not generate waste on a regular basis. Our processes do include eleven tanks (capacity ranging from 1,500 to 2,000 gallons) of which four tanks are acidic, five tanks are caustic sodas, and one is a chlorinated solvent. Of the four acid tanks, one is a combination of nitric and hydrofluoric, one is nitric acid, and the other two are only slightly acidic using phosphoric and sodium bisulfate respectively. Of the five caustic soda tanks, one tank contains potassium pernanganate, and the remaining four tanks contain sodium hydroxide. The chlorinated solvent is 1.1.1.-trichloroethane.

Depending on the work load on the line, we will, at a maximum, pump the sludge off the bottom of the caustic tanks once every 6 months, with ultimate disposal of the material in 18 months. Using your record keeping material will be disposed of using methods 7 and 12, excluding 1.1.1-trichloroethane, which is recycled except when the material is extremely contaminated with oils and a recycler will not accept.

We do have an "extremely hazardous" permit from the DOHS for the disposal of the nitric/hydrofluoric acid. However, the tank is seldomly utilized in the work process.

Other wastes generated include the following:

Waste Generated	Disposal Method
Metal-spray sludge	7, 12
Oil and water	6 or 7, 12
Paint sludge/waste	7, 12
Penetrating oil	7, 12
Baghouse wastes	2
Laboratory chemicals	6 or 7, 12
Hydrochloric acid	6 or 7, 12

Sincerely,

Robert Seguy

Robert J. Seguy
Environmental/Safety Engineer


RECEIVED
FEB 2 1994
ENVIRONMENTAL
HEALTH SERVICES

...RSON RECEIVING THIS ... WRITE REPLY IN LOWER PORTION. SNAP O... CARBON. RETURN PINK COPY TO SENDER.
FOR MO... EGIBLE CARBON COPIES USE A BALL POIN... N OR TYPEWRITE

To NAME / COMPANY OR COMPONENT / COMPLETE MAILING ADDRESS: San Bernardino County Department of Environmental Health Services

GENERAL ELECTRIC

QUICK LETTER—WHEN REPLY NEEDED

FROM NAME: Robert Segny — COMPONENT: Environmental/Safety Engineer — COMPLETE MAILING ADDRESS: General Electric Co

SUBJECT Hazardous Waste Fee.

Dear Sir,

I am sending this application without the fee enclosed. Unfortunately, due to some confusion the check (fee) preceeded the application.

If there is any problems please contact me at the letterhead phone number.

Sincerely

SIGNED Robert Segny — DATE 31 Jan 84 — PHONE/DIAL. COMM. (714) 391-5424

REPLY:

SIGNED — DATE — PHONE/DIAL. COMM.

FN-754 (3 SHTS.) (3-75) REV.


CAUTION
CAUTION
TANK 1
J-19
2
1
'95 2 17


T-21
SPENT CAUSTIC
2500G
T-20.21.23 OR T-1 EFFLUE
WITH ACID OR CAUSTIC
T-22
4000G
T-27
SODIUM
'95 2 17


02
'95 2 17


'95


G.E./W.C.O.
CAD.009542721
WASTE WATER PRETREATMENT BUILDING
HAZARDOUS WASTE TREATMENT
OF SPENT CONCENTRATES
F T U - 1
'95 2 17


T-20
T-21
T-22
SPENT
2500G
'95 2 17


T-10
FERROUS SULATE
T-8
'95 2 17

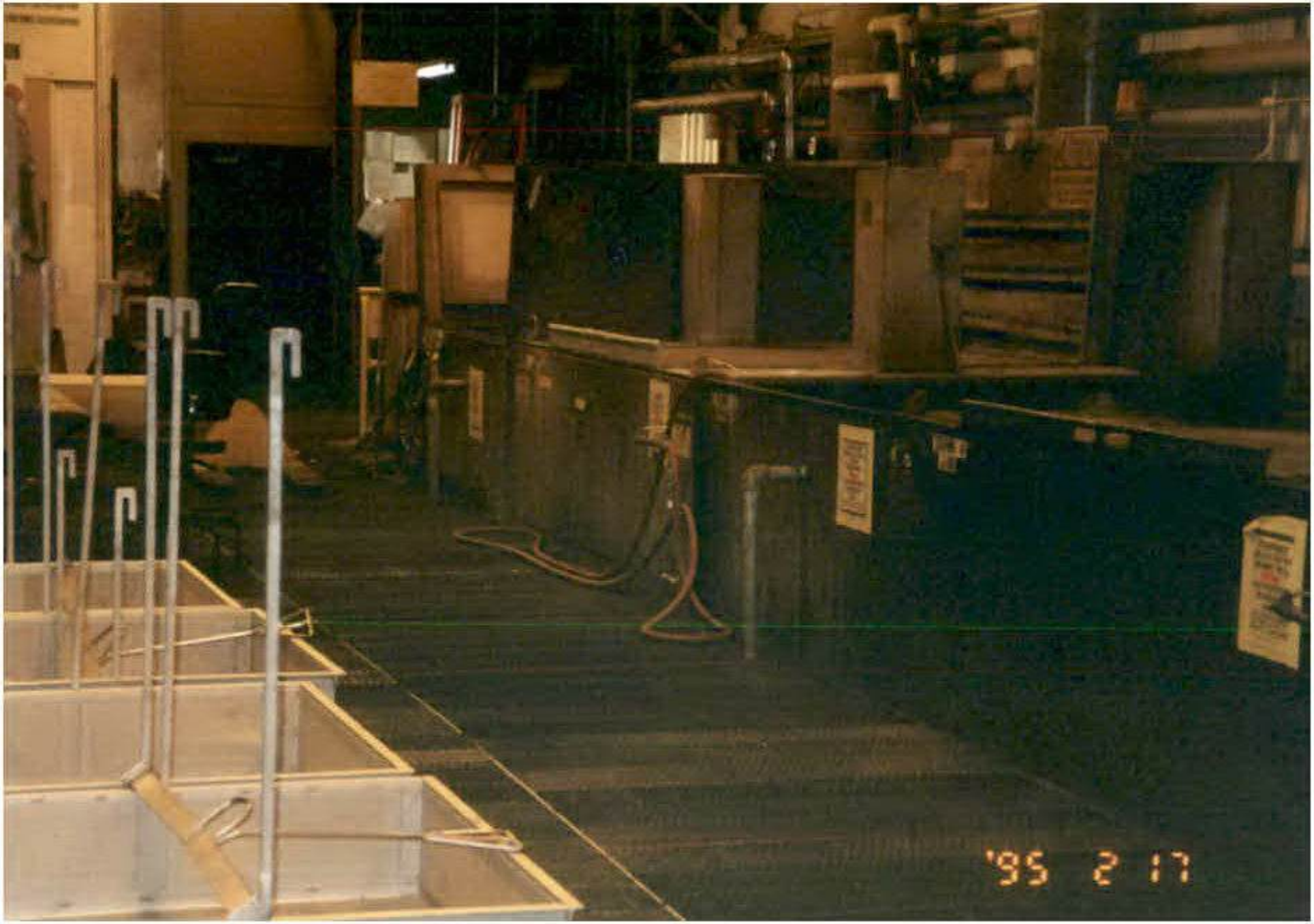

T-4
CAUSTIC
SODA
DAYTANK
'95 2 17


T-5B
FLOC TANK
EFFLUENT
T-5 EFFLUENT
SF-1
T-6
FINAL PH
ADJUSTED
WITH ACID
500G


T-5 EFFLUENT
SF-1
CONFINED SPACE ENTRY PERMIT REQ.
AUTHORIZED WORKERS ONLY
T-7
PFP
'95


WATER
'95 2 17


T-1
T-2
'95 2 17


'95 2 17


'95 2 17


2 3 0
DANGER
HAZARDOUS WASTE AREA
UNAUTHORIZED PERSONNEL
KEEP OUT
DANGER
NO SMOKING
PELIGRO
GUARDEN SU DISTANCIA
FLAMMABLE
3
OXIDIZER
51
CORROSIVE
'95 2 17


T-26
POTASSIUM HYDROXIDE
T-25
'95 2 17

Raytheon Aircraft Services Inc
Corporate Office
P.O. Box 2966
Wichita, KS 67201-2966

316 676 5201

Raytheon Aircraft Services

March 2, 1998

Ms. Susan Williams
San Bernardino Fire
385 N. Arrow Head
San Bernardino, CA 92415-0153

Dear Ms. Williams:

We were the former leaseholder of the site and removed a 500 gallon waste oil tank when the new operation (Mercury) did not need it in their operation.

Enclosed is the subsurface soil investigation report that was completed on the site. At this point, we believe that all the necessary steps have been taken for you to grant closure to the site. If more action is needed please let me know. I can be contacted as follows:

John W. Osborne
Raytheon Aircraft Services
PO Box 2966
Wichita, KS 67201
(316)676-7657
(316)676-7659 Fax

You attention to this matter is appreciated.

Sincerely,

John W. Osborne

John W. Osborne
Manager of Environmental, Health and Safety

COUNTY FIRE
HAZARDOUS MATERIALS
98 MAR -5 PM 12:00

JOB NO. 97-6174 **REPORTED** October 13, 1997

SUBJECT Subsurface Soil Investigation Report
Mercury Air Group/Raytheon
2161 East Avion Street, Ontario, California

CLIENT Laidlaw Environmental Services of California
P.O. Box 58483
Los Angeles, California 90058-2643
Attn.: B. Charlie Roth

INTRODUCTION

Pursuant to CTL Environmental Services (CTL) agreement with Laidlaw Environmental Services of California (Laidlaw), a subsurface soil investigation was performed at Mercury Air Group/Raytheon, 2161 East Avion Street, Ontario, California (site). A site vicinity map is presented as Figure 1.

BACKGROUND

In October 1996, Laidlaw removed one 500-gallon waste oil underground storage tank (UST) located in a planter area at the subject property. Following the removal of the UST, one soil sample was collected at a depth of approximately two feet below the excavation bottom (approximately six feet below the planter grade). As noted in the laboratory report presented in Appendix A, the soil sample exhibited a total recoverable petroleum hydrocarbon (TRPH) concentration of 1,270 milligrams per kilogram (mg/kg). In addition, the sample exhibited no purgeable halocarbons or metals exceeding the Total Threshold Limit Concentrations (TTLC) or ten times the Soluble Threshold Limit Concentrations (STLC) established by the State of California.

Based on the TRPH concentration (1,270 mg/kg) detected below the former UST, further assessment of the area was recommended.

OBJECTIVE

The objective of the investigation is to assess the vertical extent of the petroleum hydrocarbon-impacted soil in the former UST area.

24404 S. Vermont Avenue, #307 • Harbor City, CA 90710 • TEL: (310) 530-5006 • FAX: (310) 530-0792

INVESTIGATION

The following field activities were conducted on October 1, 1997, in accordance with CTL's *Exploratory Borings and Soil Sampling Protocol* presented in Appendix B.

CTL drilled one soil boring (B-1) in the center of the former UST excavation using a Geoprobe System equipped with push rods (see Figure 2). Undisturbed soil samples were collected at depths of 10, 15, and 20 feet below ground surface (bgs) using a core sampler lined with brass rings. Note: The Geoprobe System encountered refusal at a depth of approximately 21 feet bgs, at which point the field investigation was terminated. The sampling rings were sealed with plastic caps, labeled, and stored in a chilled ice chest for transport to CTL's Laboratory Division located in Carson, California. An organic vapor analyzer (OVA) was utilized on-site to screen selected soil cuttings/samples for the presence of organic vapors. Additionally, the soils encountered during the investigation were logged at five foot intervals using the Unified Soil Classification System (USCS). The OVA readings and soil classifications are included in the boring log presented in Appendix C. Upon completion, the boring was back-filled with bentonite chips, hydrated, and covered with planter soil.

The soil samples collected from the boring were analyzed for TRPH by EPA Method 418.1. In addition, sample B-1-20' was analyzed for volatile organic compounds (VOCs) by EPA Method 8260. The laboratory report and chain-of-custody documentation are presented in Appendix D.

GEOLOGY AND HYDROLOGY

The sediments encountered in the boring consisted of excavation fill (fine to medium grained sands), fine silty sands, and fine to medium grained sands with gravel to a refusal depth of approximately 21 feet bgs. Groundwater was not encountered during the investigation. According to the City of Ontario Engineering Department, regional groundwater occurs at an average depth of 300 feet bgs.

RESULTS

The following analytical results are expressed in mg/kg:

SAMPLE DESCRIPTION	TRPH EPA METHOD 418.1	VOCs EPA METHOD 8260
*WOT #1 - sample collected below former UST, depth = 6 feet bgs	1,270	ND (by EPA 8010)
B-1-10'	ND	NA
B-1-15'	ND	NA
B-1-20'	35	ND
DETECTION LIMITS	10.0	.005 - .05

* = sample collected by Laidlaw on 10/15/96
ND = Not Detected above laboratory reporting limits
NA = Not analyzed

DISCUSSION

As indicated in the results table, the soil samples collected from boring B-1 exhibited TRPH concentrations ranging from ND to 35 mg/kg. In addition, soil sample B-1-20' exhibited no detectable concentrations of VOCs.

CONCLUSIONS AND RECOMMENDATIONS

Based on the analytical results, it appears that the elevated petroleum hydrocarbon concentrations are limited to the shallow soil directly below the former UST excavation (depth of approximately 6 to 9 feet bgs). Therefore, CTL recommends that closure of the former UST area be requested from the lead regulatory agency.

ASSUMPTIONS AND LIMITATIONS

The soil sampling and laboratory analytical services were performed for the exclusive use of Laidlaw. In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar type studies. CTL has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent they have not been contradicted by data obtained from other sources. Accordingly, CTL accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed. In addition, CTL will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. CTL makes no warranty, expressed or implied.

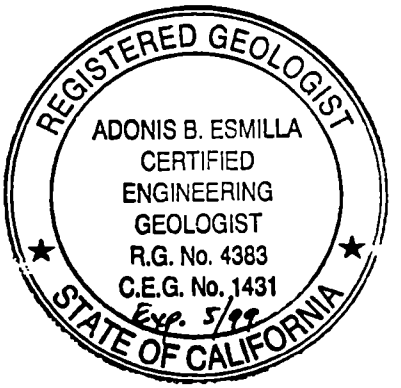
Should you have any questions regarding this report, please contact the undersigned at (310) 530-5006.

Respectfully submitted,
CTL Environmental Services

Casey P. Kerwin, CSP, REA
Senior Project Manager

Reviewed and Approved by:

Adonis B. Esmilla, R.G., C.E.G.



JOB NO. 97-6174 **REPORTED** October 13, 1997

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Should you have any questions regarding this report, please contact the undersigned at (310) 530-5006.

Respectfully submitted,
CTL Environmental Services

Casey P. Kerwin, CSP, REA
Senior Project Manager

Reviewed and Approved by:

Adonis B. Esmilla, R.G., C.E.G.

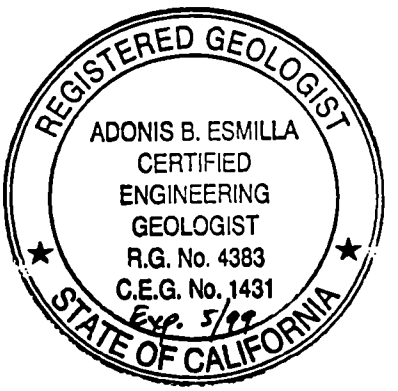
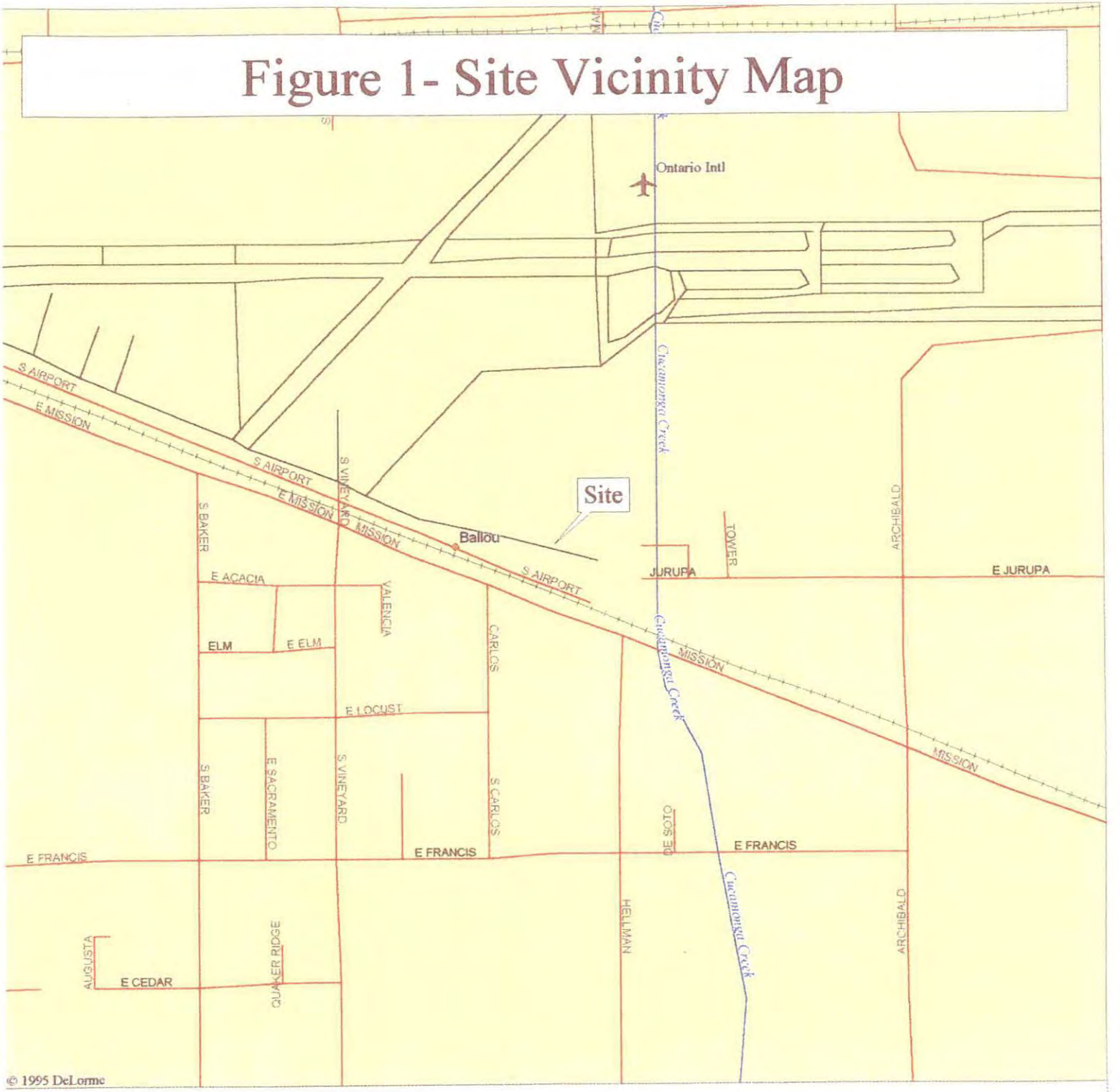


Figure 1- Site Vicinity Map

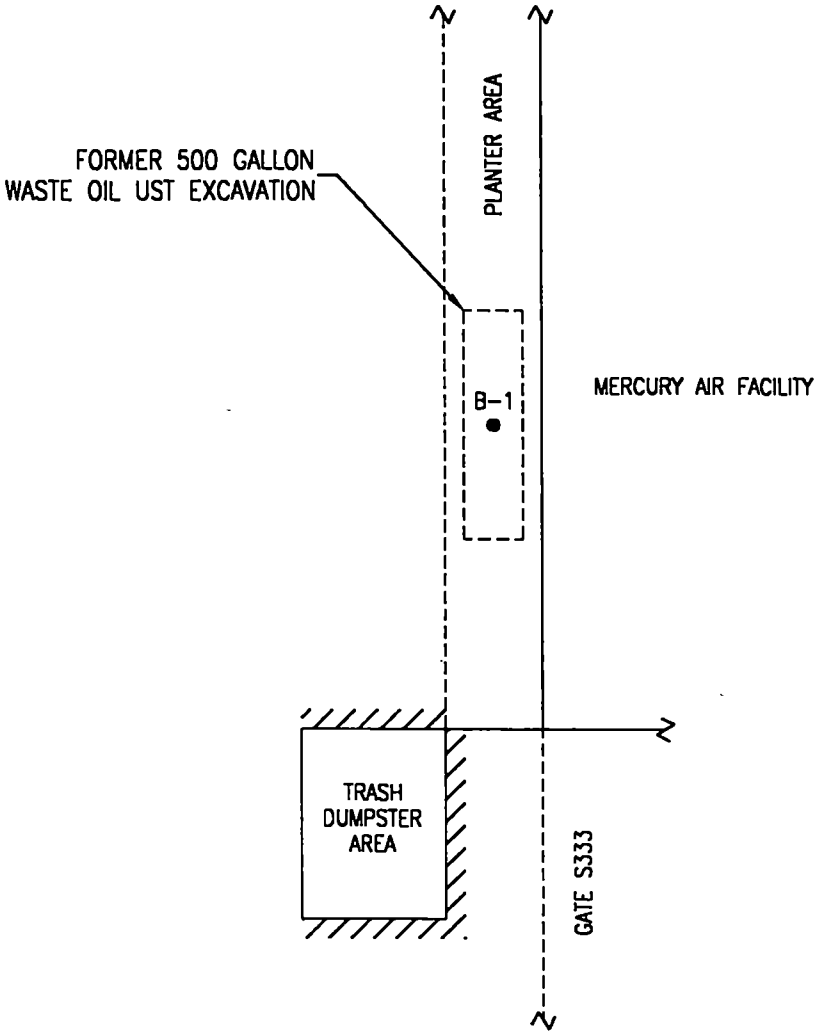


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Mon Oct 13 12:04 1997
Scale 1:15,625 (at center)

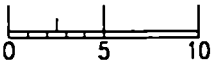
1000 Feet

500 Meters

Secondary SR, Road, Hwy Ramp
Interstate/Limited Access
Railroad
Airfield
Sched Service Airport
Locale
Population Center
Sand
River







LEGEND:

● = BORING LOCATION

TITLE: FIGURE 2 - SOIL BORING LOCATION MAP		SCALE: 1" = 10'
CLIENT: LAIDLAW ENVIRONMENTAL SERVICES	APPROVED BY:	CTL ENVIRONMENTAL SERVICES 24404 S. VERMONT AVE. SUITE 307 HARBOR CITY, CA 90710
SITE: MERCURY AIR / RAYTHEON	REV: A	
2161 E. AVION, ONTARIO, CA.	FILE: 617401-A	
CTL PROJ #: 97-6174	DRAWN BY: RND 10-06-97	

APPENDIX A

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: LAIDLAW ENVIRONMENTAL SERVICES, INC., 221 E. "D" STREET
WILMINGTON, CA 90744 TEL(310)518-4700 FAX(310)518-4711

PROJECT: RAYTHEON/TANK

SAMPLING DATE: 10/15/96 SAMPLE(S) REC'D: 10/15/96
MATRIX: SOIL DATE ANALYZED: 10/15-18/96
REPORT TO: MR. RON GENTILE DATE REPORTED: 10/21/96

SAMPLE I.D.: WOT #1 LAB I.D.: 961015-41

PARAMETER	UNIT	SAMPLE RESULT	D.L.	METHOD
TRPH	MG/KG (PPM)	1,270	10	418.1

COMMENTS

TRPH = TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
ND = NON-DETECTED OR BELOW THE DETECTION LIMIT
D.L. = DETECTION LIMIT

Data Reviewed and Approved by: _____

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: LAIDLAW ENVIRONMENTAL SERVICES, INC., 221 E. "D" STREET
WILMINGTON, CA 90744 TEL(310)518-4700 FAX(310)518-4711

PROJECT: RAYTHEON/TANK

SAMPLING DATE: 10/15/96 SAMPLE(S) REC'D: 10/15/96
MATRIX: SOIL DATE ANALYZED: 10/15-18/96
REPORT TO: MR. RON GENTILE DATE REPORTED: 10/21/96

SAMPLE I.D.: WOT #1 LAB I.D.: 961015-41

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS, UNIT: MG/KG (PPM)

ELEMENT ANALYZED	SAMPLE RESULT	DETECTION LIMIT	TTLC LIMIT	STLC LIMIT	METHOD USED
Antimony (Sb)	ND	10	500	15	6010
Arsenic (As)	ND	5.0	500	5.0	7060/6010
Barium (Ba)	118	5.0	10,000	100	6010
Berryllium (Be)	ND	0.5	75	0.75	6010
Cadmium (Cd)	ND	0.5	100	1.0	6010
Chromium (Cr)	ND	5.0	2,500	560/5.0@	6010
Chromium VI	--	0.1	500	5.0	7196
Cobalt (Co)	ND	5.0	8,000	80	6010
Copper (Cu)	5.4	5.0	2,500	25	6010
Lead (Pb)	10	5.0	1,000	5.0	6010
Mercury (Hg)	--	0.1	20	0.2	7471
Molybdenum (Mo)	ND	5.0	3,500	350	6010
Nickel (Ni)	ND	5.0	2,000	20	6010
Selenium (Se)	ND	1.0	100	1.0	7741/6010
Silver (Ag)	ND	5.0	500	5.0	6010
Thallium (Tl)	ND	5.0	700	7.0	6010
Vanadium (V)	22	5.0	2,400	24	6010
Zinc (Zn)	19	5.0	5,000	250	6010

COMMENTS
ND = The concentration is below the detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = TCLP-Chromium analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: LAIDLAW ENVIRONMENTAL SERVICES, INC., 221 E. "D" STREET
WILMINGTON, CA 90744 TEL(310)518-4700 FAX(310)518-4711

PROJECT: RAYTHEON/TANK

SAMPLING DATE: 10/15/96 SAMPLE(S) REC'D: 10/15/96
MATRIX: SOIL DATE ANALYZED: 10/15-18/96
REPORT TO: MR. RON GENTILE DATE REPORTED: 10/21/96

SAMPLE I.D.: WOT #1 LAB I.D.: 961015-41

*EPA 8010 FOR PURGEABLE HALOCARBONS ANALYSIS; UNIT: MG/KG (PPM)

PARAMETER	SAMPLE RESULT	D.L. (X1)
Chloromethane	ND	0.05
Bromoethane	ND	0.05
Vinyl Chloride	ND	0.05
Chloroethane	ND	0.05
Methylene Chloride	ND	0.05
1,1-Dichloroethene	ND	0.01
1,1-Dichloroethane	ND	0.01
Trans-1,2-Dichloroethene	ND	0.01
Chloroform	ND	0.01
1,2-Dichloroethane	ND	0.01
1,1,1-Trichloroethane (1,1,1-TCA)	ND	0.01
Carbon Tetrachloride	ND	0.01
Bromodichloromethane	ND	0.01
1,2-Dichloropropane	ND	0.01
Cis-1,3-Dichloropropene	ND	0.01
Trichloroethene (TCE)	ND	0.01
Dibromochloromethane	ND	0.01
1,1,2-Trichloroethane	ND	0.01
Trans-1,3-dichloropropene	ND	0.01
2-Chloroethylvinylether	ND	0.05
Bromoform	ND	0.05
Tetrachloroethene (PERC)	ND	0.01
1,1,2,2-Tetrachloroethane	ND	0.01
Chlorobenzene	ND	0.01
1,3-Dichlorobenzene	ND	0.01
1,4-Dichlorobenzene	ND	0.01
1,2-Dichlorobenzene	ND	0.01
Dichlorodifluoromethane	ND	0.05
Trichlorofluoromethane	ND	0.05

ND = The concentration is below the detection limit or non-detected
* = Performed by GC/MS Method (EPA 8240) D.L. = Detection Limit

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: LAIDLAW ENVIRONMENTAL SERVICES, INC., 221 E. "D" STREET
WILMINGTON, CA 90744 TEL(310)518-4700 FAX(310)518-4711

PROJECT: RAYTHEON/TANK

SAMPLING DATE: 10/15/96 SAMPLE(S) REC'D: 10/15/96
MATRIX: SOIL DATE ANALYZED: 10/15-18/96
REPORT TO: MR. RON GENTILE DATE REPORTED: 10/21/96

SAMPLE I.D.: SP #2 LAB I.D.: 961015-42

PARAMETER	UNIT	SAMPLE RESULT	D.L.	METHOD
TRPH	MG/KG (PPM)	364	10	418.1

COMMENTS

TRPH = TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
ND = NON-DETECTED OR BELOW THE DETECTION LIMIT
D.L. = DETECTION LIMIT

Data Reviewed and Approved by: _____

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: LAIDLAW ENVIRONMENTAL SERVICES, INC., 221 E. "D" STREET
WILMINGTON, CA 90744 TEL(310)518-4700 FAX(310)518-4711

PROJECT: RAYTHEON/TANK

SAMPLING DATE: 10/15/96 SAMPLE(S) REC'D: 10/15/96
MATRIX: SOIL DATE ANALYZED: 10/15-18/96
REPORT TO: MR. RON GENTILE DATE REPORTED: 10/21/96

SAMPLE I.D.: SP #2 LAB I.D.: 961015-42

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS, UNIT: MG/KG (PPM)

ELEMENT ANALYZED	SAMPLE RESULT	DETECTION LIMIT	TTLC LIMIT	STLC LIMIT	METHOD USED
Antimony (Sb)	ND	10	500	15	6010
Arsenic (As)	ND	5.0	500	5.0	7060/6010
Barium (Ba)	316	5.0	10,000	100	6010
Berryllium (Be)	ND	0.5	75	0.75	6010
Cadmium (Cd)	ND	0.5	100	1.0	6010
Chromium (Cr)	19	5.0	2,500	560/5.0@	6010
Chromium VI	--	0.1	500	5.0	7196
Cobalt (Co)	54	5.0	8,000	80	6010
Copper (Cu)	31	5.0	2,500	25	6010
Lead (Pb)	ND	5.0	1,000	5.0	6010
Mercury (Hg)	--	0.1	20	0.2	7471
Molybdenum (Mo)	ND	5.0	3,500	350	6010
Nickel (Ni)	12	5.0	2,000	20	6010
Selenium (Se)	ND	1.0	100	1.0	7741/6010
Silver (Ag)	ND	5.0	500	5.0	6010
Thallium (Tl)	ND	5.0	700	7.0	6010
Vanadium (V)	67	5.0	2,400	24	6010
Zinc (Zn)	33	5.0	5,000	250	6010

COMMENTS
ND = The concentration is below the detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = TCLP-Chromium analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: LAIDLAW ENVIRONMENTAL SERVICES, INC., 221 E. "D" STREET
WILMINGTON, CA 90744 TEL(310)518-4700 FAX(310)518-4711

PROJECT: RAYTHEON/TANK

SAMPLING DATE: 10/15/96 SAMPLE(S) REC'D: 10/15/96
MATRIX: SOIL DATE ANALYZED: 10/15-18/96
REPORT TO: MR. RON GENTILE DATE REPORTED: 10/21/96

SAMPLE I.D.: SP #2 LAB I.D.: 961015-42

*EPA 8010 FOR PURGEABLE HALOCARBONS ANALYSIS; UNIT: MG/KG (PPM)

PARAMETER	SAMPLE RESULT	D.L. (X1)
Chloromethane	ND	0.05
Bromoethane	ND	0.05
Vinyl Chloride	ND	0.05
Chloroethane	ND	0.05
Methylene Chloride	ND	0.05
1,1-Dichloroethene	ND	0.01
1,1-Dichloroethane	ND	0.01
Trans-1,2-Dichloroethene	ND	0.01
Chloroform	ND	0.01
1,2-Dichloroethane	ND	0.01
1,1,1-Trichloroethane (1,1,1-TCA)	ND	0.01
Carbon Tetrachloride	ND	0.01
Bromodichloromethane	ND	0.01
1,2-Dichloropropane	ND	0.01
Cis-1,3-Dichloropropene	ND	0.01
Trichloroethene (TCE)	ND	0.01
Dibromochloromethane	ND	0.01
1,1,2-Trichloroethane	ND	0.01
Trans-1,3-dichloropropene	ND	0.01
2-Chloroethylvinylether	ND	0.05
Bromoform	ND	0.05
Tetrachloroethene (PERC)	ND	0.01
1,1,2,2-Tetrachloroethane	ND	0.01
Chlorobenzene	ND	0.01
1,3-Dichlorobenzene	ND	0.01
1,4-Dichlorobenzene	ND	0.01
1,2-Dichlorobenzene	ND	0.01
Dichlorodifluoromethane	ND	0.05
Trichlorofluoromethane	ND	0.05

ND = The concentration is below the detection limit or non-detected
* = Performed by GC/MS Method (EPA 8240) D.L. = Detection Limit

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

ENVIRO-CHEM, INC.
LABORATORIES
1214 E. Lexington Ave.
Pomona, CA 91766
(909) 590-5905 • Fax: (909) 590-5907

CHAIN of CUSTODY RECORD

DATE: 10/15/96
PAGE: 1 of 1

Lab Project # _____
P.O. # 15663
CA-DHS ELAP CERTIFICATE # 1555

REPORT TO: LANDAU ENVIRONMENTAL
STREET: P.O. BOX 1175
CITY: LOMITA STATE: CA ZIP: 90717
TEL (310) 518-4700 FAX: (310) 518-4711
SHIPPING INFORMATION

PROJECT NAME RAYTHEON/TRW
PROJECT CONTACT Ron Gautier
SAMPLER(S) SIGNATURE:

TURN AROUND TIME DESIRED
☐ Same Day ☐ 24 Hour ☐ 48 Hour
☑ 1 Week ☐ Standard(2 Weeks)
☐ Others: _____
Confirmed By: _____

AFTER ANALYSIS, SAMPLES ARE TO BE: ☑ DISPOSED OF ☐ STORED (30 days) ☐ RETURNED TO CLIENT ☐ OTHER:

RELINQUISHED BY: (Signature) Ron Gautier	RECEIVED BY (Signature)	DATE: 10/15/96	TIME: 4:30 PM
RELINQUISHED BY (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:
RELINQUISHED BY: (Signature)	RECEIVED BY (Signature)	DATE:	TIME:

SAMPLE I.D	LAB I.D	SAMPLING DATE/TIME	MATRIX	# of Containers	ANALYSIS REQUESTED	SAMPLE RECEIVED CONDITION	Sample Storage Location
WOT #1	961015-41	10/15/96 3:29 PM	Soil	1	418.1, 8010 + 6010	OK	
SD #1	-42	10/15/96	Soil	1	418.1, 8010 + 6010		

DISTRIBUTION: WHITE WITH REPORT • YELLOW TO COURIER

FROM : Enviro-Chem Inc PHONE NO. : 909 590 5907 Feb. 13 1997 08:26AM P16

APPENDIX B

EXPLORATORY BORINGS
AND
SOIL SAMPLING PROTOCOL

The following procedures are followed when performing exploratory borings utilizing a Geoprobe System or Ramset with push type samplers:

1. 1 to 1.5 inch core samplers are used.

2. All push rods are steam cleaned prior to use and between borings, if necessary.

3. A registered geologist, civil engineer with soils experience, or other appropriately trained personnel under the direct supervision of the aforementioned, observes the drilling and obtains soil samples at 5-foot intervals (unless otherwise specified) and at the terminus of each boring.

4. The Unified Soil Classification System (USCS) may be utilized to classify the soils.

5. The soil samples are obtained using a core sampler, which accommodates two to three sample tubes. Various tubes are utilized to be compatible with the different analyses required:

   Brass Tubes: for all organics and general analyses, excluding copper and zinc.

   Stainless Steel Tubes: for all organics and metals analyses excluding chrome and nickel.

6. The tubes are scrubbed with a brush and Alconox or equivalent cleaning agent, then rinsed with tap water. Tubes are given a final rinse with distilled water and delivered to the drilling site in closed buckets or equivalent to preclude recontamination.

7. After the sample tubes are removed from the sampler, the latter is scrubbed in Alconox or equivalent and tap water. The sampler is rinsed with tap water, and distilled water (if required) and reassembled with the required number of clean tubes.

8. Unclean tubes are washed with Alconox or equivalent solutions, rinsed with tap water, etc. as described in number 6.

9. In loose soils, a sand trap is used to prevent soil from falling out of the sampler.

10. The sampler is driven 12 to 18 inches at each sampling. Generally, the lowest tube is retained for analysis. The other tube or tubes are retained as a back-up.

11. The sample is logged in and capped with Teflon liners and tight-fitting plastic caps. The samples are labeled and preserved in a clean ice chest containing Blue Ice or equivalent, to keep the samples at or about 4 degrees Celsius.

12. The soil sample tube label is marked with at least the following minimum information:

    Job Number

    Boring Number and Depth

    Sampling Date and Time

    Sampler's Initials

    Test to be Performed (if known at the time of sampling).

13. The samples are kept in the ice chest until delivered to a State of California certified testing laboratory, the same day if physically possible. The undelivered samples are stored or archived in secured sample storage at or about 4 degrees Celsius.

14. All samples are accompanied by an EPA approved chain-of-custody form, documenting the time, date, and person-in-charge from sample retrieval to laboratory delivery.

15. The samples that are to be analyzed may be selected through field observations and/or OVA screening.

16. Upon termination, all borings shall be sealed from the bottom of the boring to grade with bentonite grout or bentonite chips. Grout shall be emplaced by the tremie method. Chips shall be hydrated prior to the surface being repaired.

APPENDIX C

BORING NO. B-1

PAGE 1 OF 1

SAMPLE LOCATION DEPTH (FT)	UNIFIED SOIL CLASSIFICATION	LITHOLOGIC LOG	BORING NUMBER : B-1 DESCRIPTION	OVA MINTORING BACKGROUND SAMPLE (ppm)	BLOWS PER 6 INCHES (18" TOTAL)	TIME
			FILL MATERIAL (FINE TO MEDIUM GRAINED SAND)			
11	SM		BROWN, SLIGHTLY MOIST FINE SILTY SAND, NO DISCERNABLE ODOR	0	N/A	8:45AM
16	SM		BROWN, MOIST, FINE TO MEDIUM GRAINED SAND W/ GRAVEL, NO DISCERNABLE ODOR	0	N/A	8:50AM
21	SM		BROWN, MOIST, FINE TO MEDIUM GRAINED SAND W/ GRAVEL, NO DISCERNABLE ODOR REFUSAL @ APPROXIMATELY 21 FEET bgs	0	N/A	9:55AM

CLIENT: LAIDLAW ENVIRONMENTAL SERVICES		LOGGED BY: C.P.K.	SUPERVISED BY: A.B.E.
SITE: MERCURY AIR / RAYTHEON		DRILLING CO.: VIRONEX	CTL ENVIRONMENTAL SERVICES
2161 E. AVION, ONTARIO, CA.		DRILLER: FRANK	24404 S. VERMONT AVE. SUITE 307 HARBOR CITY, CA. 90710
DRAWING #: 617402-A	DRAWN BY: RND 10-05-97	DRILLING EQ.: GEOPROBE	
CTL PROJ #: 97-6174	DATE LOGGED: 10-01-97	BORING DIA.: 1"	

APPENDIX D

CTL Environmental Services - Laboratory Division
24416 South Main Street, Suite 308, Carson, CA 90749 • Tel: (310) 549-6636 Fax: (310) 549-6516

LABORATORY REPORT

CLIENT: Xeon / Laidlaw Environmental Services
24404 South Vermont Avenue
Suite #307
Harbor City CA 90710
Attn: Casey Kerwin

DATE RECEIVED: 10/01/97 **DATE REPORTED:** 10/13/97

LAB NUMBER: 4971006

PAGE NUMBER: 1 of 3

PROJECT: Laidlaw Environmental Services

PROJECT # NA

LOCATION: Mercury Air Group / Raytheon 2161 E. Avion, Ontario CA

DESCRIPTION: Three Samples Analyzed as Indicated on the Attached Chain of Custody.

Respectfully Submitted,
CTL Environmental Services, Inc.
Laboratory Division

A. Robert Plank
Organic Supervisor

Reviewed By,
CTL Environmental Services, Inc.
Laboratory Division

Dr. Stuart E. Salot
Laboratory Director

This report applies only to the sample, or samples investigated and is not necessarily indicative of the quality or condition of apparently identical or similar material or products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

Method: EPA 8260, Volatile Organic Compounds
Matrix: Soil

CLIENT: Laidlaw Environmental Services
CLIENT ID: B-1-20'
LAB ID: 49710006-3

Date Sampled: 10/01/97
Date Analyzed: 10/09/97

Analyte	Result (ug/kg)	Reporting Limit (ug/kg)	Dilution Factor	Notes
Acetone	ND	10	1	
Acrolein	ND	50	1	
Acrylonitrile	ND	50	1	
Benzene	ND	5	1	
Bromochloromethane	ND	5	1	
Bromodichloromethane	ND	5	1	
Bromoform	ND	5	1	
Bromomethane	ND	5	1	
2- Butanone	ND	5	1	
Carbon Disulfide	ND	10	1	
Carbon Tetrachloride	ND	5	1	
Chlorobenzene	ND	5	1	
Chloroethane	ND	5	1	
2- Chloroethylvinylether	ND	5	1	
Chloroform	ND	5	1	
Chloromethane	ND	5	1	
Dibromochloromethane	ND	5	1	
1,2-Dibromoethane	ND	5	1	
1,2- Dichlorobenzene	ND	5	1	
1,3- Dichlorobenzene	ND	5	1	
1,4- Dichlorobenzene	ND	5	1	
Dichlorodifluoromethane	ND	5	1	
1,1- Dichloroethane	ND	5	1	
1,2- Dichloroethane	ND	5	1	
1,1- Dichloroethene	ND	5	1	
cis-1,2- Dichloroethene	ND	5	1	
trans-1,2- Dichloroethene	ND	5	1	
1,2- Dichloropropane	ND	5	1	
cis- 1,3- Dichloropropene	ND	5	1	
trans- 1,3- Dichloropropene	ND	5	1	
Ethylbenzene	ND	5	1	
2- Hexanone	ND	5	1	
Methylene Chloride	ND	5	1	
4- Methyl- 2- Pentanone	ND	5	1	
Naphthalene	ND	5	1	
Styrene	ND	5	1	
1,1,1,2- Tetrachloroethane	ND	5	1	
1,1,2,2- Tetrachloroethane	ND	5	1	
Tetrachloroethene	ND	5	1	
Toluene	ND	5	1	
1,1,1- Trichloroethane	ND	5	1	
1,1,2- Trichloroethane	ND	5	1	
Trichloroethene	ND	5	1	
Trichlorofluoromethane	ND	5	1	
Vinyl Acetate	ND	5	1	
Vinyl Chloride	ND	5	1	
m,p- Xylenes	ND	5	1	
o- Xylene	ND	5	1	

Surrogate Recovery Data

Surrogate	Surr. % Rec.	Surr. Rec. Acc.Limits
Dibromofluoromethane	99	82-109
Toluene d8	93	90-105
Bromofluorobenzene	90	89-110

Batch QA/QC Reference

	Batch ID
Method Blank:	100997LA
LCS:	100997LA
BS/BSD:	NA
MS/MSD:	100997LA

LABORATORY NO. 49710006

Method: EPA 418.1, Total Recoverable Petroleum Hydrocarbons
Matrix: Soil

CLIENT: **Xeon/Laidlaw Environmental Services** **Date Extracted:** **10/01/97**

Laboratory ID	Sample ID	Result (mg/kg)	Reporting Limit (mg/kg)	Dilution Factor	Date Analyzed	QC Batch ID	Notes
49710006-1	B-1-10'	ND	10	1	10/01/97	10017TRPHSA	
49710006-2	B-1-15'	ND	10	1	10/01/97	10017TRPHSA	
49710006-3	B-1-20'	35	10	1	10/01/97	10017TRPHSA	

Quality Assurance and Control Information

Batch ID	LCS Spike Added (mg/kg)	LCS Recovery (%)	Matrix Spike Laboratory ID	Sample Result (mg/kg)	MS Added (mg/kg)	MS Recovery (%)	MSD Recovery (%)	RPD
10017TRPHSA	25	88	49710006-2	ND	25.0	98	91	7.4
QC Acceptance Limits:		80-120				75-125	75-125	25

Laboratory Notes

Environmental Services
Laboratory Division

24416 South Main Street, #308 TEL: (310) 549-6636
Carson, CA 90745 FAX: (310) 549-6516

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

49710006

Date 10/1/97 Page 1 of 1

PROJECT NAME CADILLAC ENV. SERVICES
PROJECT MGR C. KERWIN
COMPANY NAME CTL
ADDRESS
PHONE (310) 530-5006
FAX
SAMPLER: (Signature) C. Kerwin

Lab Project No: due. 10/9/97 Sample Location: MERCURY AIR GROUP/Rentar 2161 E. Aviation, Chino, CA

CLIENT I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX	NUMBER OF CONTAINERS	ANALYSIS REQUESTED: 418.1 (TRPH)	ANALYSIS REQUESTED: 8260 (BTEX)	REMARKS
B-1-10'	10/1/97	8:45 AM	-1	S.C.	1	X	SEE BELOW	
B-1-15'	"	8:50	-2	"	1	X		
B-1-20'	"	9:55	-3	"	1	X		

1 RELINQUISHED BY: C. Kerwin
Signature
Print Name C. KERWIN
Firm CTL
Date/Time 10/1/97 @ 12:35 pm

2 RECEIVED BY: Maggie Madhun
Signature
Print Name CTL
Firm
Date/Time 10/1/97 2:10pm

3 RELINQUISHED BY:
Signature
Print Name
Firm
Date/Time

4 RECEIVED BY:
Signature
Print Name
Firm
Date/Time

TURNAROUND REQUIREMENTS
24 HR ___ 48 HR ___ 5 DAYS X
STANDARD ___
___ Provide Preliminary Verbal Results
___ Provide Preliminary Fax Results
___ Requested Report Date

REPORT REQUIREMENTS:
1. X Routine Report
2. ___ REPORT INCLUDES DUP, MS, MSD as required; may be charged as samples
3. ___ Data Validation Report (includes All Raw Data)

INVOICE INFORMATION:
P.O. #:
Bill To:

SAMPLE RECEIPT:
Ship Via:
Ship #:
Condition:
Total Containers:
Lab #:

LEGEND:
A = AIR
CO = COMPOSITE
DW = DRINKING WATER
GR = GRAB
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
WW = WASTEWATER

Sample Preserved According to EPA Specifications ☐ Yes ☐ No

SPECIAL INSTRUCTIONS / REQUIREMENTS:
Run 8260 on sample w/ highest TRPH.
If all are ND, run B-1-10'

In accordance with industry practice, CTL charges a nominal fee of $2/sample to dispose of samples which are, or potentially are, hazardous wastes. This fee is required to cover the cost of the handling and disposal required by state and federal law. The fee does not apply to water samples, nonhazardous materials or sampling media.

☐ CTL will dispose for $2/sample
☐ No charge for disposal
☐ Exempt category
☐ Cost covered by contract
☐ de minimis quantities
☐ _____

REPORT COPY - WHITE • INORGANIC COPY - YELLOW • ORGANIC COPY - GREEN • SAMPLE CONTROL COPY - PINK • COURIER COPY - GOLD

FF 46'10

This form is intended for use by contractors performing periodic testing of UST secondary containment systems. Use the appropriate pages of this form to report results for all components tested. The completed form, written test procedures and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: GUARDIAN AVIATION	Date of Testing: 10-23-02
Facility Address: 2161 E AVION DR. Ontario CA	
Facility Contact:	Phone:
Date Local Agency Was Notified of Testing: 10/21/02	
Name of Local Agency Inspector Present: SAN BERNARDINO	

no city

RECEIVED
DEC 03 2002
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

2. TESTING CONTRACTOR INFORMATION

Company Name: TANK SPECIALISTS OF CALIFORNIA	
Technician Conducting Test: DAVID WALKER	
Credentials: CSLB Licensed Contractor X	SWRCB Licensed Tank Tester
License Type and #: 745065 A, B-HAZ	

Training by Manufacturer

Manufacturer	Component(s)	Date Training Expires
INCON	INCON SUMP TESTING MONITOR SYSTEM	09-05-02

3. SUMMARY OF TEST RESULTS

Number of Tanks Tested: 2	Number of Piping Runs Tested: 9
Number of Submersible Pump Sumps Tested: 4	Number of UDC Boxes Tested: 0
Number of Fill Sumps Tested: 0	Number of Overfill Boxes Tested: 3

Component	Pass	Fail	Comments
HYDROSTATIC TEST:			
(1) FUEL TANK PIPE SUMP		X	NW
(1) FUEL TANK PIPE SUMP		X	NE
(1) FUEL TANK PIPE SUMP	X		SW
(1) FUEL TANK PIPE SUMP	X		SE
(9) SECONDARY LINES		X	TEST BOOTS WOULD NOT SEAL
(1) TANK ANNULAR SOUTH	X		
(1) TANK ANNULAR NORTH	X		
(3) REMOTE FILL BOXES		X	

Technician's Signature: D. Walker

Date: 10/23/02

SWRCB

December

TANK SPECIALISTS OF CALIFORNIA
SB 989 Secondary System Certification Number
3105

Test Method Developed by: Sump Manufacturer | Industry Standard | Professional Engineer | Other (Specify) SWRCB

Test Method Uses: Pressure | Vacuum | Hydrostatic | Other (Specify)

Measuring Equipment Used for Testing: INCON SUMP TESTING MONITOR SYSTEM

	NW Sump # 1	SW Sump # 2	NE Sump # 3
Sump Diameter:	42"	42"	42"
Sump Depth:	57"	59"	57"
Sump Material:	FIBERGLASS	FIBERGLASS	FIBERGLASS
Height from Tank Top to Highest Piping Penetration:	30"	32"	29"
Height from Tank Top to Lowest Electrical Penetration:	12"	12"	12"
Condition of sump prior to testing:	CLEAN	CLEAN	CLEAN
Portion of Sump Tested[1]	BOTTOM 32"	BOTTOM 34"	BOTTOM 31"
Does turbine shut down when sump sensor detects either product or water?	N/A	N/A	N/A
Turbine shutdown response time[2]	N/A	N/A	N/A
Is system programmed for fail-safe shutdown?	N/A	N/A	N/A
Was fail-safe verified to be operational?	N/A	N/A	N/A
Wait time between applying pressure/vacuum/water and starting test:	1 HOUR	1 HOUR	1 HOUR
Test Start Time:	2:14 PM	2:14 PM	3:36 PM
Initial Reading (R_i):	7.5917 IN	7.8713 IN	5.6256 IN.
Test End Time:	2:29 PM	2:29 PM	3:51 PM
Final Reading (R_f):	7.5800 IN	7.8715 IN	5.6095 IN.
Test Duration:	15 min.	15 MIN	15 MIN.
Change in Reading ($R_f - R_i$):	0.0117 IN.	0.0002 IN	0.0261 IN
Pass/Fail Threshold:	0.002 IN. (FAIL)	0.002 IN. (PASS)	0.002 IN. (FAIL)
Was sensor removed for testing?	yes	yes	yes
Was sensor properly replaced after testing?	yes	yes	yes

Comments – *(include information on repairs made prior to testing)*

NW & NE SUMPS NEED FIBERGLASS AT COLLAR.

[1] If the testing method does not test the entire depth of the sump, specify how much of the sump was tested. Methods not testing the entire sump should only be used if the monitoring system provides fail safe turbine shutdown.

[2] With the submersible pump running, place the sensor in product (discriminating sensors should also be placed in water). The time between placing the sensor in product and the turbine shutting down is the response time. This should be done if the secondary containment testing method used does not test the entire volume of the sump.

Other (specify): SWRCB

Pressure

Measuring Equipment Used for Testing: 0-15 PSI GAUGE

	Piping Run# 1-3	Piping Run# 2-6	Piping Run# 8-9
Piping Material:			
Piping Manufacturer			
Piping Diameter:	3x6	3x6	3x6
Length of Piping Run.	APROX. 20'	APROX 20'	APROX. 30'
Product Stored:	JET FUEL	JET FUEL	JET FUEL
Method and location of piping-run isolation:	TERM - BOOT	TERM. BOOT	TERM. BOOT
Wait time between applying pressure/vacuum/water and starting test:	30 MIN.	30 min.	30 min.
Test Start Time:			
Initial Reading (R_I):			
Test End Time:			
Final Reading (R_F):			
Test Duration:			
Change in Reading (R_F-R_I):			
Pass/Fail Threshold:			
Pass/Fail:	X	X	X

Comments – *(include information on repairs made prior to testing)*

ALL BOOTS WOULD NOT HOLD PRESSURE DUE TO ORING OUT & WOULD NOT SEAL.

4. TANK ANNULAR TESTING

Test Method Developed By	Tank Manufacturer	Industry Standard	Professional Engineer
	Other (Specify) SWRCB		
Test Method Used:	Pressure	Vacuum	Hydrostatic
	Other (Specify)		

Measuring Equipment Used for Testing: ~~0~~ -30 HgV GAUGE

	N Tank # 1	S Tank # 2	Tank #
Tank Capacity			
Tank Material:	STEEL/FIBERGLASS	STEEL/FIBERGLASS	
Tank Manufacturer:	MODERN WELDING	MODERN WELDING	
Product Stored:	JET FUEL	JET FUEL	
Wait time between applying pressure/vacuum/water and starting test:	30 MIN.	30 MIN.	
Test Start Time:	3:00 PM	4:25 PM	
Initial Reading (R_I):	10 HgV	10 HgV	
Test End Time:	4:00 PM	5:25 PM	
Final Reading (R_P):	10 HgV	10 HgV	
Test Duration:	1 HOUR	1 HOUR	
Change in Reading (R_P-R_I):	~~0~~	~~0~~	
Pass/Fail Threshold:	10 HgV (PASS)	10 HgV (PASS)	
Test Result:			
Was sensor removed for testing?	YES	YES	
Was sensor properly replaced after testing?	YES	YES	

Comments – *(include information on repairs made prior to testing)*

9. SPILL/OVERFILL CONTAINMENT BOXES

Test Method Developed By:	Spill Bucket Manufacturer	Industry Standard	Professional Engineer
	Other (Specify) SWRCB		
Test Method Uses:	Pressure	Vacuum	Hydrostatic
	Other (Specify)		
Measuring Equipment Used for Testing:	INCON SUMP TESTING MONITOR SYSTEM		

	Spill Box # 1	Spill Box # 2	Spill Box # 3
Bucket Diameter:	16"	16"	16"
Bucket Depth:	18"	18"	18"
Wait time between applying pressure/vacuum/water and starting test:	FAIL	FAIL	FAIL
Test Start Time:			
Initial Reading (R_I):			
Test End Time:			
Final Reading (R_F):			
Test Duration:			
Change in Reading (R_F-R_I):			
Pass/Fail Threshold:			

Comments – *(include information on repairs made prior to testing)*

SPILL BOXES - VISUAL FAIL DUE TO EXTREME RUST & CORROSION. AS PER INSPECTORS ORDERS

This is a draft document intended for public review and comment. Your input is appreciated.
Please direct any comments regarding this form to:

SWRCB UST Program, Attn: Scott Bacon
1001 I" Street, Box 944212
Sacramento, CA 95814
Phone (916) 341-5813 Fax (916) 341-5808
e-mail: bacons@...swrcb.ca.gov

GUARDIAN AVIATION
2161 E. AVION ST.
ONTARIO CA
STANFORD CA

10/23/2002 2:30 PM

SUMP LEAK TEST REPORT

JET PNW

TEST STARTED	2:14 PM
TEST STARTED	10/23/2002
BEGIN LEVEL	7.5917 IN
END TIME	2:29 PM
END DATE	10/23/2002
END LEVEL	7.5800 IN
LEAK THRESHOLD	0.002 IN
TEST RESULT	FAILED

JET PSW

TEST STARTED	2:14 PM
TEST STARTED	10/23/2002
BEGIN LEVEL	7.8713 IN
END TIME	2:29 PM
END DATE	10/23/2002
END LEVEL	7.8715 IN
LEAK THRESHOLD	0.002 IN
TEST RESULT	PASSED

MNWY S

TEST STARTED	2:14 PM
TEST STARTED	10/23/2002
BEGIN LEVEL	2.7439 IN
END TIME	2:29 PM
END DATE	10/23/2002
END LEVEL	2.7440 IN
LEAK THRESHOLD	0.002 IN
TEST RESULT	PASSED

MNWY N

TEST STARTED	2:14 PM
TEST STARTED	10/23/2002
BEGIN LEVEL	5.1796 IN
END TIME	2:29 PM
END DATE	10/23/2002
END LEVEL	5.1796 IN
LEAK THRESHOLD	0.002 IN
TEST RESULT	PASSED

GUARDIAN AVIATION
2161 E. AVION ST.
ONTARIO CA
STANFORD CA

10/23/2002 2:46 PM

SUMP LEAK TEST REPORT

JET PNW

TEST STARTED	2:30 PM
TEST STARTED	10/23/2002
BEGIN LEVEL	7.5765 IN
END TIME	2:45 PM
END DATE	10/23/2002
END LEVEL	7.5734 IN
LEAK THRESHOLD	0.002 IN
TEST RESULT	FAILED

JET PSW

TEST STARTED	2:30 PM
TEST STARTED	10/23/2002
BEGIN LEVEL	7.8725 IN
END TIME	2:45 PM
END DATE	10/23/2002
END LEVEL	7.8733 IN
LEAK THRESHOLD	0.002 IN
TEST RESULT	PASSED

MNWY S

TEST STARTED	2:30 PM
TEST STARTED	10/23/2002
BEGIN LEVEL	2.7444 IN
END TIME	2:45 PM
END DATE	10/23/2002
END LEVEL	2.7449 IN
LEAK THRESHOLD	0.002 IN
TEST RESULT	PASSED

MNWY N

TEST STARTED	2:30 PM
TEST STARTED	10/23/2002
BEGIN LEVEL	5.1795 IN
END TIME	2:45 PM
END DATE	10/23/2002
END LEVEL	5.1809 IN
LEAK THRESHOLD	0.002 IN
TEST RESULT	PASSED

GUARDIAN AVIATION
2161 E. AVION ST.
ONTARIO CA
STANFORD CA

10/23/2002 3:51 PM

SUMP LEAK TEST REPORT

JET PNE

TEST STARTED	3:36 PM
TEST STARTED	10/23/2002
BEGIN LEVEL	5.6256 IN
END TIME	3:51 PM
END DATE	10/23/2002
END LEVEL	5.6095 IN
LEAK THRESHOLD	0.002 IN
TEST RESULT	FAILED

JET PSE

TEST STARTED	3:36 PM
TEST STARTED	10/23/2002
BEGIN LEVEL	3.5889 IN
END TIME	3:51 PM
END DATE	10/23/2002
END LEVEL	3.5873 IN
LEAK THRESHOLD	0.002 IN
TEST RESULT	PASSED

GUARDIAN AVIATION
2161 E. AVION ST.
ONTARIO CA
STANFORD CA

10/23/2002 4:12 PM

SUMP LEAK TEST REPORT

JET PNE

TEST STARTED	3:56 PM
TEST STARTED	10/23/2002
BEGIN LEVEL	5.6057 IN
END TIME	4:12 PM
END DATE	10/23/2002
END LEVEL	5.5958 IN
LEAK THRESHOLD	0.002 IN
TEST RESULT	FAILED

JET PSE

TEST STARTED	3:56 PM
TEST STARTED	10/23/2002
BEGIN LEVEL	3.5874 IN
END TIME	4:12 PM
END DATE	10/23/2002
END LEVEL	3.5868 IN
LEAK THRESHOLD	0.002 IN
TEST RESULT	PASSED

December 8, 2005

Ms. Leslie Heaviside
San Bernadino County Fire Department
Hazardous Materials Division
620 South E Street
San Bernardino, CA 92415-0153
(909) 386-8460

Dear Ms. Heaviside:

Enclosed please find GE Aviation's response to the hazardous waste inspection reports issued by the County to its facility on 2264 East Avion Drive in Ontario on November 3, 2005 as well as an executed Certificate of Compliance. Also enclosed is GE Aviation's response to the hazardous waste inspection reports issued to its facility on 1923 Avion Drive in Ontario on November 4, 2005 with its accompanying Certificate of Compliance. Thank you for agreeing to a fourteen-day extension in the submission deadline to accommodate a family emergency this week.

Also enclosed are numerous documents and photographs addressing the County's findings as detailed in the inspection reports. Please contact me if you have any questions.

Sincerely

Bradley Grubbs
EHS Focal Point
GE Aviation

Brett C Boston
EHS Generalist (non GE)
GE Avaition

CUPA

San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

HAZARDOUS WASTE GENERATOR AND HAZARDOUS MATERIALS HANDLER INSPECTION REPORT

Facility Name: G.E. Engine Service, Inc. Date: November 4, 2005

Street Address: 1923 Avion Dr. Fac Id. No: FA0003388

City: Ontario Zip Code: 91761 EPA ID No: CAD009542721

Facility Contact: Bradley Grubbs Phone No. (909) 937-6731 Number of Employees: 150

Refer to Title 19 and Title 22 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, or in Compliance (C) with, the applicable laws and regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS FOR GENERATORS		V	C	N	
101. Hazardous Waste Generator Permit current	CC 23.0602(b)(1)		X		*
102. Facility access for inspection granted - HW only	CHSC 25185		X		*
103. Hazardous Waste determination made	CCR 66262.11		X		*
104. EPA ID Number obtained	CCR 66262.12(a)		X		*
105. Hazardous Waste storage/treatment authorization	CHSC 25189.5(d)		X		*
106. Facility operated/maintained to prevent release/fire	CCR 66265.31	X			*
107. Contingency Plan established	CCR 66265.51(a)		X		*
108. Recyclable materials managed lawfully	CHSC 25143.2			X	*
STORAGE AND LABELING REQUIREMENTS					
110. Hazardous Waste containers labeled	CCR 66262.34(f)(3)	C			
111. Hazardous Waste container label complete	CCR 66262.34(f)(3)		X		
112. Accumulation start date on labels	CCR 66262.34(f)(2)		X		
113. Hazardous Waste accumulation time not exceeded	CCR 66262.34		X		
114. Hazardous Waste containers sound	CCR 66265.171		X		*
115. Hazardous Waste containers not leaking	CCR 66265.173(b)		X		*
116. Hazardous Waste containers closed	CCR 66265.173(a)		X		
117. Contaminated containers managed properly	CCR 66261.7	X			*
118. Container storage area inspected weekly	CCR 66265.174		X		
119. Hazardous Waste managed lawfully	CHSC 25154		X		*
120. Aboveground Tank storage area inspected daily	CCR 66265.195		X		
HAZARDOUS WASTE RECORDS AND MANIFESTS					
125. Hazardous Waste transported with a manifest	CCR 66262.20(a)		X		*
126. Hazardous Waste manifest complete	CCR 66262.23		X		*
127. Hazardous Waste manifests sent to DTSC	CCR 66262.23(a)(4)		X		
128. Manifests retained for at least 3 years	CCR 66262.40(a)		X		
129. Biennial Report prepared	CCR 66262.41		X		
130. Hazardous Waste analyses retained for 3 years	CCR 66262.40(c)		X		
131. Training documentation complete & available	CCR 66265.16		X		*
132. SB 14 completed and available	CCR 67100.3			X	
MANAGEMENT OF USED OIL AND BATTERIES					
135. Used oil managed properly	CHSC 25250.4		X		
136. Used oil not contaminated with Hazardous Waste	CHSC 25250.7		X		
137. Used oil receipts complete & available	CHSC 25160.2(b)(3)			X	
138. Used oil filters managed lawfully	CCR 66266.130		X		
139. Used batteries managed lawfully	CCR 66266.81		X		
DISPOSAL AND TRANSPORTATION					
145. Illegal disposal/abandonment of Hazardous Waste	CHSC 25189.5(a)			X	*
146. Illegal disposal of used oil	CHSC 25250.5(a)			X	*
147. Transportation of Hazardous Waste w/o registration	CHSC 25163			X	*
148. Hazardous Waste hauled by registered transporter	CHSC 25163		X		*
149. Haz. Waste transported to an unauthorized facility	CHSC 25189.5(c)			X	*

RELEASE AND RESPONSE/BUSINESS PLANS		V	C	N	
201. Hazardous Material Handler permit current	CC 23.0602(b)(3)		X		
202. Business Plan established	CHSC 25503.5		X		
203. Business Plan submitted/updated	CHSC 25505		X		
204. Hazardous Materials release reported	CHSC 25507			X	
205. Facility access for inspection granted - HM Only	CHSC 25508		X		
206. Regulated Substances registration filed	CHSC 25533(a)			X	
207. SPCC Plan completed	CHSC 25270.5(c)		X		

INSPECTION NARRATIVE

A routine inspection was performed on October 5 and October 6, 2005 to determine compliance with applicable hazardous material/ hazardous waste laws and regulations. The inspection was conducted by myself (Kristian Alfelor-SBCoFD), Leslie Heaviside (SBCoFD), and Mark Pear (DTSC). Consent to perform the inspection was granted by Bradley Grubbs (EHS Manager) and Brett Boston (EHS Consultant). Digital photographs were taken with permission. Personal protective equipment used during the inspection included steel-toed shoes (optional) and safety glasses.

This facility performs repairs, overhauls, and cleaning of jet engine and parts.

Hazardous Material Inventory:

Hanger 5-
Disassembly Line:
(1) 55-gallon drum of oily rags/solvent (05-06-05).
(1) 55-gallon drum of oily rags/solvent (06-02-05).
(1) Flammables cabinet-various items.

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: K. Alfelor & L. Heaviside Received by: Certified Mail Title: _____

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401; FAX (909) 386-8460

Universal Waste Inspection Report

Facility ID: **FA-3388** Facility Name: **G.E. Engine Services, Inc.** Business Ph. #: **(909) 937-6731**

Site Address: **1923 Avion Dr.** City: **Ontario** Zip Code: **91761**

Mailing Address: **1923 Avion Dr.** City: **Ontario** Zip Code: **91761**

SMALL QUANTITY HANDLER 100-5,000 kg (220lb-11,000 lbs)		V	C	N	LARGE QUANTITY HANDLER – More than 5,000 kg (>11,000 lbs)		V	C	N
910. Facility operated/maintained to prevent release	CCR § 66273.13		X		930. Facility operated/maintained to prevent release	CCR § 66273.33			X
911. U.W. labeled to identify the type of waste	CCR § 66273.14		X		931. U.W. labeled to identify the type of waste	CCR § 66273.34			X
912. One-year accumulation limit not exceeded/ Accumulation start date on label or container	CCR § 66273.15	X			932. One-year accumulation limit not exceeded	CCR § 66273.35			X
913. Immediate response to U.W. releases	CCR § 66273.17			X	933. Immediate response to U.W. releases	CCR § 66273.37			X
914. U.W. Tracking documents available	CCR § 66273.19		X		934. U.W. Tracking documents available	CCR § 66273.39			X
915. Off-site shipments only to U.W. Handlers	CCR § 66273.18			X	935. Off-site shipments only to U.W. Handlers	CCR § 66273.38			X
916. Exports only to approved countries with verification documents on-site	CCR § 66273.20 (d)			X	936. Exports only to approved countries with verification documents on-site	CCR § 66273.40 (d)			X
917. U.W. Handlers who accept Mercury containing U.W. from other handlers shall disclose Mercury onsite	CCR§ 66273.21 (b)(1)(2) (b)(1)			X	937. U.W. Handlers who accept Mercury containing U.W. from other handlers shall disclose Mercury onsite	CCR§ 66273.41 (b)(1)(2) (b)(1)			X
918. Prohibited from treating/diluting waste or disposing of a UW except as described in § 66273	CCR § 66273.11			X	938. Prohibited from treating/diluting waste or disposing of a UW except as described in § 66273	CCR § 66273.31			X
990. Notification of Aerosol puncturing to CUPA	H&SC 25201.16(j)			X	939. Notification made of Large Quantity UW Handler status made to CUPA	CCR § 66273.32 (a)(1)			X
					940. Training Program for employees handling UW	CCR § 66273.36			X

Inventory	Quantity	Container Type	Comments
Universal Waste Batteries: LI, Ni Cd, etc.			
Consumer Electronic Devices:			
Aerosols:			
MERCURY-Containing Universal Wastes			
Universal Waste Lamps (mercury-containing lamps):	~20	Cardboard box	**UW label present on box; no accumulation start date on box or label. See item #912 on the supplemental inspection report for compliance requirement.**
Universal Waste Dental Amalgam:			
Universal Waste Novelties:			
Universal Waste Gauges:			
Universal Waste Thermostats:			
Universal Waste Mercury Switches and Thermometers:			
Universal Waste Counterweights and Dampers:			
Universal Waste Dilators and Weighted Tubing:			
Universal Waste Rubber Flooring:			
Universal Waste Gas Flow Regulators:			

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: **K. Alfelor & L. Heaviside** Received by: **Certified Mail** Title: _____

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

SUPPLEMENTAL INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
G.E. Engine Service, Inc.	1923 Avion Dr. Ontario, CA 91761

SAA #2:
(1) 55-gallon drum of waste fuel (04-11-05)
(1) 55-gallon drum of waste oil (06-12-05)
(1) 55-gallon drum of aerosol cans (09-02-05)
(1) 55-gallon drum of used oil filters (09-02-05)
(1) 55-gallon drum of waste oil/fuel/solvent/rags (09-02-05)
(1) 55-gallon drum of oil soaked absorbent (09-02-05)

Electrochemical Grinder Area:
(2) 55-gallon drum of Calcium/salt waste- not labeled, but corrected during the inspection.
(1) Flammables cabinet-various items

Campbell Grind Room:
(1) 55-gallon drum of grind waste (04-28-05)
(1) 304ft3 cylinder of Nitrogen

Cylinder Storage Area:
~(10) cylinders of acetylene (>200ft3 total)
~(10) cylinders of argon (>200ft3 total)

SAA #1:
(1) 55-gallon drum of oily rags (09-02-05)
(1) 55-gallon drum of oil-soaked absorbent (09-02-05)
(1) 55-gallon drum of aerosol cans (09-02-05)

SAA #3:
(1) 55-gallon drum of oily rags (09-02-05)
(1) 55-gallon drum of aerosol cans (09-02-05)
(1) 55-gallon drum of oil-soaked absorbent (09-02-05)

SAA #5:
(1) 55-gallon drum of oily rags (08-08-05)
(1) 55-gallon drum of waste fuel (04-12-05)
(1) 55-gallon drum of waste oil (09-17-05)
(1) 55-gallon drum of absorbent (04-13-05)

X NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: K. Alfelor & L. Heaviside Received by: Certified Mail Inspection Date: October 5 & 6, 2005

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

SUPPLEMENTAL INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
G.E. Engine Service, Inc.	1923 Avion Dr. Ontario, CA 91761

SAA #5 (Cont.):
(1) 55-gallon drum of new oil
(2) cylinders of nitrogen (> 200 ft3 total)

Calibration Laboratory:
(1) ~200 ft3 cylinder of nitrogen
(1) 55-gallon drum of aerosol cans (06-06-05)
(1) 55-gallon drum of rags w/ solvent (06-06-05)
(1) 55-gallon drum of rags w/ oil (06-06-05)
(1) bucket of waste batteries (10-04-05)

Shipping and Receiving:
(1) 55-gallon drum of Part A isocyanate foam
(1) 55-gallon drum of Part B isocyanate foam

External Shed:
(1) 55-gallon drum of aerosol cans (09-05-05)
(2) 1,300 gallon AST of propane
Laboratory:
(1) 5-gallon container of brushes/swabs (07-13-05)
(1) 5-gallon container of rags w/ solvent (07-13-05)

SAA #6:
(2) Containers of Universal Waste (light bulbs)-(06-01-05, 03-02-05)
(1) Container of Universal Waste (batteries)- (03-02-05)
(1) 55-gallon drum of PCB ballasts (03-02-05)
(1) 55-gallon drums of aerosol cans (03-07-05)
(1) 55-gallon drums of high-pressure bulbs (09-02-05)
(1) 55-gallon drum of oily rags (03-02-05)
(1) 55-gallon drum of paint-related waste (04-01-05)

Hanger 3:
(1) 282ft3 cylinder of oxygen
(1) 200ft3 cylinder of acetylene
(2) Cylinders of compressed gases N.O.S. (>200ft3 total)
(2) Cylinders of argon (>200 ft3 total)

X NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: K. Alfelor & L. Heaviside Received by: Certified Mail Inspection Date: October 5 & 6, 2005

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

SUPPLEMENTAL INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
G.E. Engine Service, Inc.	1923 Avion Dr. Ontario, CA 91761

Hazardous Waste Storage Area:
(1) yd3 bag of wastewater treatment sludge (09-15-05)
(1) 55-gallon drum of contaminated resin debris (09-02-05)
(1) box of waste fluorescent light tubes **no accumulation start date**

Hazardous Materials Storage Area:
(1) 55-gallon drum of waste paint (05-23-05)
(3) 55- gallon drums of Hydrochloric Acid
(3 55-gallon drums of Ardrox 1618
(4) 55-gallon drums of potassium hydroxide
(2) 55-gallon drum of part A foam
(2) 55-gallon drums of part B foam
(3) 55-gallon drums of CE Bee J-84
(2) 55-gallon drums of Calcium ion 220
(4) 55-gallon drums of various oils
(1) 55-gallon drum of calcium hydroxide
(1) 55-gallon drum of acetone

SAA #4:
(1) 55-gallon drum of waste oil (09-15-05)
(1) 55-gallon drum of waste fuel (04-04-05)
(1) 55-gallon drum of oily rags (08-25-05)
(1) 55-gallon drum of aerosol cans (09-02-05)
(1) 55-gallon drum of used filters (09-11-05)
(1) 55-gallon drum of Molidag waste (09-01-05)
(1) 55-gallon drum of microballoon waste (09-02-05)
(1) 55-gallon drum of floor sweepings/oil/absorbent (04-13-05)

Grip Blast Treatment Area:
(1) 55-gallon drum of waste plastic media (07-20-05)

Non-destructive Testing Area:
(1) 55-gallon drum of acid etchant (09-22-05)

X NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: K. Alfelor & L. Heaviside Received by: Certified Mail Inspection Date: October 5 & 6, 2005

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

SUPPLEMENTAL INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
G.E. Engine Service, Inc.	1923 Avion Dr. Ontario, CA 91761

Gear Box 1:
(1) 55-gallon drum of oily rags (04-11-05)
(1) Cylinder of Nitrogen (>200 ft3)

Hanger 1 Annex:
(2) 336ft3 cylinders of Argon.
(1) 280ft3 cylinder of oxygen

(1) 200ft3 cylinder of acetylene.
(1) 55-gallon drum of oil/solvent/rags (03-07-05)
(2) 55-gallon drums of oily rags (09-04-05, 04-14-05)

SAA #7:
(1) 55-gallon drum of waste plastic media (09-02-05)
(2) 55-gallon drums of plastic/aluminum grit (09-02-05, 05-31-05)

FTU-1:
T-23 Bulk Holding Tank (50,000-gallon AST)
T-1 Equalization tank (2,500-gallon AST)
T-2 Neutralization tank (2,500-gallon AST)
T-6 final pH adjustment (500-galllon AST)
T-7 sludge holding (1,500-gallon AST)
T-22 Concentrate Neutralization (4,000-gallon AST)
T-25 Bulk H2SO4 (2,000-gallon AST)
T-26 Bulk Caustic (6,000-gallon AST)

Documentation Review:

1) **The 2005-2006 business emergency/contingency plan was complete and available**
2) **Hazardous waste records were complete and available (2002-2005)**
3) **Employee training records were complete and available**
4) **The 2003 RCRA Biennial Report was complete and available**

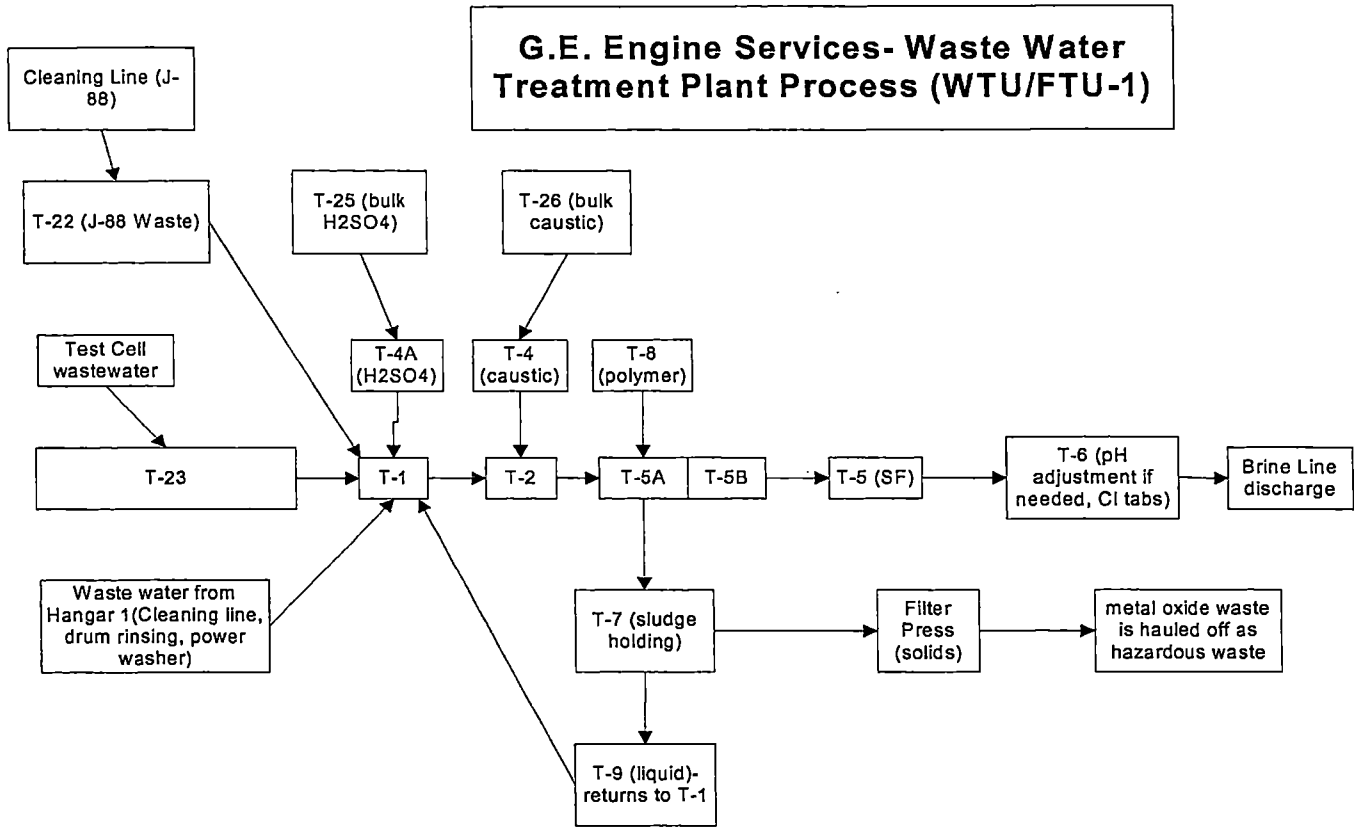
X NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: K. Alfelor & L. Heaviside Received by: Certified Mail Inspection Date: October 5 & 6, 2005

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San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

SUPPLEMENTAL INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
G.E. Engine Service, Inc.	1923 Avion Dr. Ontario, CA 91761



T-23 Bulk Holding Tank (50,000-gallon AST)
T-1 Equalization tank (2,500-gallon AST)
T-2 Neutralization tank (2,500-gallon AST)
T-5A/B Lamella
T-5 Sand Filter (12ft2)
T-6 final pH adjustment (500-galllon AST)
T-7 sludge holding (1,500-gallon AST)
T-22 Concentrate Neutralization (4,000-gallon AST)
T-25 Bulk H2SO4 (2,000-gallon AST)
T-26 Bulk Caustic (6,000-gallon AST)

X NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: K. Alfelor & L. Heaviside Received by: Certified Mail Inspection Date: October 5 & 6, 2005

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San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

SUPPLEMENTAL INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
G.E. Engine Service, Inc.	1923 Avion Dr. Ontario, CA 91761

The following violations must be corrected within 30 days:

117. Contaminated containers not managed properly- CCR 66261.7:
None of the 55-gallon containers on site were observed to have any dates marked on them to show when they were emptied. Contaminated containers larger than 5 gallons must be marked with the date that the container became empty and must be removed from the site within one (1) year of that date. Each container must be hauled off-site to reclaim its scrap value and the following information must be maintained and available for review for up to three (3) years: The name, street address, mailing address and telephone number of the facility where the empty containers have been shipped. The containers may also be reconditioned or remanufactured and may also be returned to the supplier to be refilled. Immediately display the date when each contaminated container became empty.

Compliance Requirement for 117:

1. **Documentation verifying compliance with contaminated container management requirements.**
2. **Submit a copy of the receipt(s) documenting the removal of empty containers.**

110- Hazardous Waste containers not labeled- CCR 66262.34(f)(3):
(2) 55-gallon drums of waste copper solution did not have a hazardous waste labels. Ensure that a hazardous waste label is applied to each hazardous waste container. Verify that all lines and fields of each hazardous waste label are completed correctly, including the accumulation start date. Completed hazardous waste labels were placed on both 55-gallon drums of waste copper solution during the inspection.

Item #110 was corrected during the inspection.

106- Facility not operated/maintained to prevent release/fire- CCR 66265.31:
Several oil spills were observed on the floor adjacent to various types of equipment in the machine room. To minimize this occurrence, the operator must conduct routine housekeeping as needed and operate to prevent spills. Place absorbent on all observed spills. Upon saturation, collect and manage oil-soaked absorbent as a hazardous waste.

Compliance Requirement for 106:

1. **Submit photographs or a signed statement verifying that all spill-affected areas have been addressed.**
2. **Submit a work plan for the prevention and management of hazardous material spills.**

NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: K. Alfelor & L. Heaviside Received by: Certified Mail Inspection Date: October 5 & 6, 2005

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620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

SUPPLEMENTAL INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
G.E. Engine Service, Inc.	1923 Avion Dr. Ontario, CA 91761

912. Accumulation start date not on label/ container- CCR 66273.15:
A box of waste fluorescent light tubes located in the hazardous waste storage area did not have an accumulation start date on the box or universal waste label. All universal waste containers/items must have one of the following:

1. **Marking or labeling on the container with the earliest date that any universal waste in the container became a waste;**
2. **Marking or labeling on each individual item of universal waste (e.g., each battery or thermostat) with the date it became a waste.**

Compliance Requirement for 912:
Submit photographs or documentation verifying one of the methods listed above has been implemented.

X NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: K. Alfelor & L. Heaviside Received by: Certified Mail Inspection Date: October 5 & 6, 2005

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT/
PUBLIC SERVICES GROUP

OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 South "E" Street • San Bernardino, CA 92415-0153
(909) 386-8401 • Fax (909) 386-8460

PETER R. HILLS
Fire Chief
County Fire Warden

CERTIFICATE OF COMPLIANCE

Return Certification within 30 days to Inspector Kris Alfelor

In the matter of: Respondent: **Bradley Grubbs**
Violation(s) cited on: **October 5 & 6, 2005**
Establishment Name: **G.E. Engine Service, Inc.**
Establishment Address: **1923 Avion Dr. Ontario, CA 91761**
Establishment Number: **FA0003388**

I certify under penalty of law that:

- *Respondent has corrected the violations specified in the above-entitled action.*
- *I have personally examined any documentation attached to this certification to establish that the violations have been corrected.*
- *Based on my examination of the attached documentation and inquiry of the individuals, who prepared or obtained them, I believe the information to be true, accurate and complete.*
- *I am authorized to file this certification on behalf of the Respondent.*
- *I am aware there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.*

_____	_____
Signature	*Date*
_____	_____
Printed or Typed Name	*Title*
_____	_____
Social Security/Federal ID Number	*Drivers License/ID Number*

** Attached documentation includes:*

1. **Photographs or a signed statement verifying that all spill-affected areas have been addressed**
2. **Work plan for the prevention and management of hazardous material spills**
3. **Documentation verifying compliance with contaminated container management requirements**
4. **Documentation verifying compliance with universal waste labeling requirements**

PHOTO NARRATIVE

PHOTO 1



PHOTO 2



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

1) Description: **Hangar 5 - Satellite Accumulation Area (SAA) # 2: contains 55 gallon drums of used oil, used oil/fuel filters, aerosol cans, used absorbent, waste oily rags and waste fuel. All drums labeled correctly.**

2) Description: **Hangar 5 - 2- 55 gallon drums containing waste copper water from ECG grinding machine**

Date Taken: **10-05-2005**

Taken By: **Leslie Heaviside** Signature: Leslie Heaviside

PHOTO NARRATIVE

PHOTO 3



PHOTO 4



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

3) Description: **Hangar 5 - Campbell Grinding machine – oil spillage surrounding machine, some of the oil is being captured by absorbent pads and socks**

4) Description: **Hangar 5 - Campbell grind room: contains 1-55 gallon drum of grinding waste and 1-55 gallon drum of oil**

Date Taken: **10-05-2005**

Taken By: **Leslie Heaviside** Signature:

PHOTO NARRATIVE

PHOTO 5



PHOTO 6



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

5) Description: **Behind Hangar 5 - Compressed gas storage area**

6) Description: **Behind Hangar 5 - Cylinders chained & secured**

Date Taken: **10-05-2005**

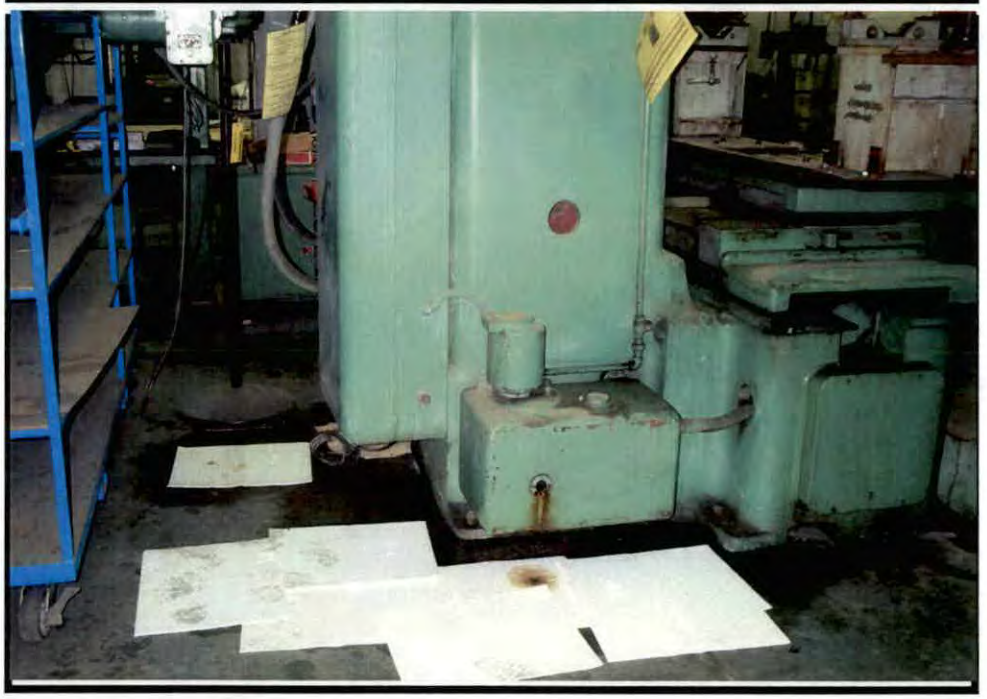
Taken By: **Leslie Heaviside** Signature:

PHOTO NARRATIVE

PHOTO 7



PHOTO 8



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

7) Description: **Hangar 5 - SAA #1: contains 55-gallon drums of aerosol cans, waste absorbent, oily rags and scrap metal.**

8) Description: **Hangar 5 – Machine shop. Oil leakage around machine, some oil absorbed with mats.**

Date Taken: **10-05-2005**

Taken By: **Leslie Heaviside** Signature:

PHOTO NARRATIVE

PHOTO 9



PHOTO 10



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

9) Description: **Hangar 5, rotor balance - SAA #3: contains 55-gallon drums of aerosol cans, waste absorbent and oily rags**

10) Description: **Hangar 5 NDT Lab: one 5-gallon container of acid etchant brushes, swabs and one 10-gallon container of solvent rags.**

Date Taken: **10-05-2005**

Taken By: **Leslie Heaviside** Signature:

PHOTO NARRATIVE

PHOTO 11



PHOTO 12



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

11) Description: **Adjacent to Hangar 5 - SAA #6: shown are cardboard containers of spent fluorescent light bulbs, one 55-gallon drum of spent alkaline batteries and one 55-gallon drum of aerosol cans.**

12) Description: **Adjacent to Hangar 5 - SAA #6: shown on the right are 55-gallon drums of hi pressure bulbs, oily rags, paint related waste and PCB ballasts.**

Date Taken: **10-05-2005**

Taken By: **Leslie Heaviside** Signature:

PHOTO NARRATIV

PHOTO 13



PHOTO 14



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

13) Description: **Entrance to 90 day hazardous waste storage area**

14) Description: **90 day hazardous waste storage area – one 55-gallon drum containing resin contaminated debris (microballoon waste)**

Date Taken: **10-05-2005**

Taken By: **Leslie Heaviside** Signature:

Revised 10/12/2000

PHOTO 15



PHOTO 16



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

15) Description: **90 day hazardous waste storage area: 1 cardboard container of spent fluorescent light bulbs (not labeled)**

16) Description: **Empty container storage area, not all containers labeled properly**

Date Taken: **10-05-2005**

Taken By: **Leslie Heaviside** Signature:

Revised 10/12/2000

PHOTO NARRATIV

PHOTO 17



PHOTO 18



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

17) Description: **Front entrance to main hazardous materials storage area**

18) Description: **Main hazardous materials storage area: 55-gallon drums of Acetone, Rotella oil, Royco 483, Royco 481, Magnaflux and Ardrox**

Date Taken: **10-05-2005**

Taken By: **Leslie Heaviside** Signature:

Revised 10/12/2000

PHOTO 19



PHOTO 20



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

19) Description: **2 aboveground tanks of Propane – 1200 gallons each**

20) Description: **Hangar 1 – steam cleaning area for jet engines. Rinse water is drained from cleaning area, collected in a sump and pumped to T-23 until treated**

Date Taken: **10-05-2005**

Taken By: **Leslie Heaviside** Signature:

PHOTO 21



PHOTO 22



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

21) Description: **Hangar 1 - SAA #4: 55 gallon drums of used oil, waste fuel, oily rags, empty aerosol cans, used oil filters, waste resin compounds and used absorbent.**

22) Description: **Hangar 1 – cleaning line room: jet engine parts hooked onto a overhead track mounted crane and moved from tank to tank (only tanks 5, 6 & 7 in use)**

Date Taken: **10-05-2005**

Taken By: **Leslie Heaviside** Signature: Leslie Heaviside

PHOTO 23



PHOTO 24



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

23) Description: **Hangar 1 – steam cleaning room: grit blast machine used to clean parts, waste is collected in baghouses and stored in SAA #7**

24) Description: **Hangar 1 – steam cleaning room: drum-rinsing area (CESW unit). Waste water from drum rinsing is collected and pumped to T-23 until treated.**

Date Taken: **10-05-2005**

Taken By: **Leslie Heaviside** Signature:

PHOTO 25

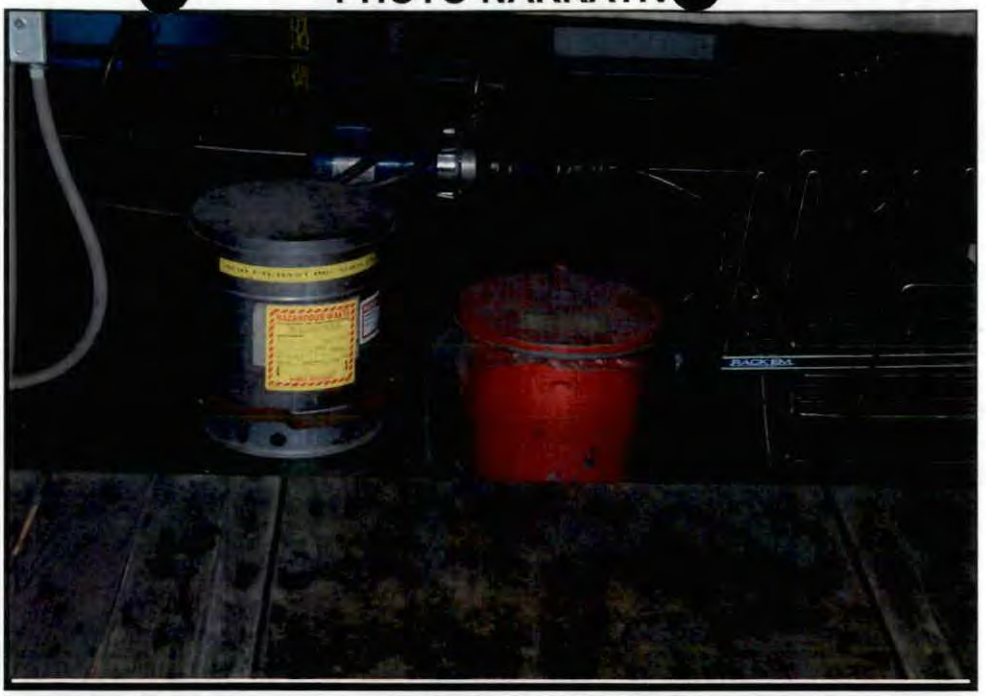


PHOTO 26



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

25) Description: **Hangar 1 – Non destructive testing (NDT) area: waste acid etch brushes and swabs**

26) Description: **Hangar 1 – NDT area: waste water collected at the bottom of each bay and transferred to T-23 until treated**

Date Taken: **10-05-2005**

Taken By: **Leslie Heaviside** Signature:

PHOTO NARRATIVE

PHOTO 1



PHOTO 2



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

1) Description: **East side of Hangar 1 - Satellite Accumulation Area #7: three 55-gallon drums of grinding dust waste (plastic, aluminum grit).**

2) Description: **Hangar 1 – flow room SAA #5: 55 gallon drums of used absorbent, oily rags and waste fuel**

Date Taken: **10-06-2005**

Taken By: **Leslie Heaviside** Signature: _____

PHOTO NARRATIV

PHOTO 3

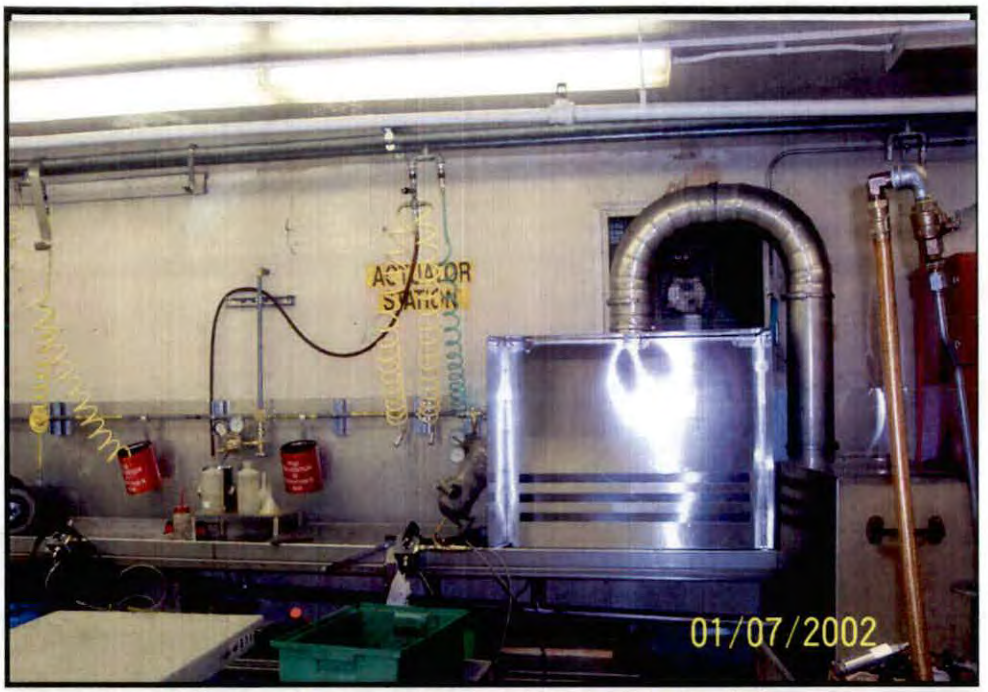


PHOTO 4



Facility/Case Name: **GE Engine Services, Inc.** Facility ID #: **FA0003388**

Address: **1923 East Avion, Ontario**

3) Description: **Hangar 1 – flow room: station where parts being shipped off for repair are purged of oil and fuel**

4) Description: **Hangar 5 – calibration lab: 55 gallon drums of oily rags, solvent rags and empty aerosol cans.**

Date Taken: **10-06-2005**

Taken By: **Leslie Heaviside** Signature: _____

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • (909) 386-8401 Fax (909) 386-8460

PRELIMINARY FIELD INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
B.E. Engine Services	1923 E. Avion St. Ontario, CA 91761

A routine inspection was performed on 10-5-05 and 10-6-05 to determine compliance with applicable hazardous material / hazardous waste laws and regulations (including Tiered permitting - PBR and CESQG). The inspection was conducted by myself (Kris Alfelor) of SBCoFD Haz-Mat, Leslie Heaviside (SBCoFD - Hazmat), and Mark Pear (CDTSC). Consent to perform the inspection was granted by Bradley Grubbs (EHS Manager) and Brett Boston (EHS consultant). Digital photographs were taken with permission. Personal protective equipment used were steel toed shoes (optional) and safety glasses.

* This is a preliminary inspection report summarizing the events and violations noted on 10-5-05 and 10-6-06. A full inspection report will be submitted to your facility upon completion. Upon receiving the full inspection report, correct all noted violations and submit a signed certificate of compliance with all required documentation to this Division within 30 days. *

(1) Revise and submit the onsite hazardous waste treatment notification (unit) pgs - 22 CCR (67450.2(b) & 22 CCR (67450.3(c) - The amount of waste treated monthly was 6,530 gallons. Actually monthly treatment volume is approximately 10,000 gallons.

(2) Submit a written inspection schedule for containers, tanks, equipment related to the treatment system (22 CCR 67450.3(c)(8)(B) & 22 CCR 67450.3(c)(9)(A) & (D) An inspection schedule was not available during the inspection. Prepare and submit a written inspection schedule.

K. Alfelor / L. Heaviside
Inspector

10-6-05
Date

1 of 2

X
Received By

Title

15-21001-638

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • (909) 386-8401 Fax (909) 386-8460

PRELIMINARY FIELD INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
C.E. Engine Services	1923 E. Avion St. Ontario, CA 91761

(3) P.E. certification(s) for secondary containment and tank system were not available - 22CCR 67450.3 (c)(9). Submit P.E. certification(s) for all relevant tank systems and secondary containment areas. Retain a copy onsite at all times.

(4) Phase I assessment checklist was not available during the inspection - 22CCR 67450.7(a)(3) & CHSC 25200.14(b)(1) - The full phase I assessment was issued on 11-4-02. Submit a copy of the Phase I assessment checklist to verify compliance with this requirement. Retain a copy onsite at all times.

(5) A written waste analysis plan was not available during the inspection - 22CCR 66265.13(b) & 67450.3(c)(9)(A) - Prepare a written waste analysis plan including specific parameters, testing methods, frequency, and sampling methods. Retain a copy onsite at all times.

(6) A written closure was available, but needs to be revised with current information (closure costs, year of closure, etc.) - 22CCR 67450.3(c)(11). Revise and submit the closure plan and retain a copy onsite at all times.

Note - Disregard item #5 → waste analysis plan was complete and available.

* Begin to correct the above noted violations. If there are any questions or concerns, please contact this Division at (909) 386-8401.

K. Alfelor / L. Heaviside
Inspector

X
Received By

10-6-05
Date

2 of 2

Title

CUPA
San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • FIELD SERVICES/ENVIRONMENTAL PROTECTION
385 N. Arrowhead Ave, 2nd Floor, San Bernardino, CA 92415-0153 • (909) 387-3080 FAX (909) 387-4323

HAZARDOUS WASTE GENERATOR AND HAZARDOUS MATERIALS HANDLER INSPECTION REPORT

Facility Name: **G.E. Engine Services** Date: **6/26/2002**

Street Address: **1923 E. Avion** Est. No: **86008643**

City: **Ontario, Ca** Zip Code: **91761** EPA ID No: **CAD009542721**

Facility Contact: **Theresa DuBois** Phone No. **(909) 937-5380** Number of Employees: **157**

Refer to Title 19 and Title 22 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, or in Compliance (C) with, the applicable laws and regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS FOR GENERATORS		V	C	N	
101. Hazardous Waste Generator Permit current	CC 23.0602(b)(1)		X		*
102. Facility access for inspection granted - HW only	CHSC 25185		X		*
103. Hazardous Waste determination made	CCR 66262.11		X		*
104. EPA ID Number obtained	CCR 66262.12(a)		X		*
105. Hazardous Waste storage/treatment authorization	CHSC 25189.5(d)		X		*
106. Facility operated/maintained to prevent release/fire	CCR 66265.31		X		*
107. Contingency Plan established	CCR 66265.51(a)		X		*
108. Recyclable materials managed lawfully	CHSC 25143.2		X		*
STORAGE AND LABELING REQUIREMENTS					
110. Hazardous Waste containers labeled	CCR 66262.34(f)(3)		X		
111. Hazardous Waste container label complete	CCR 66262.34(f)(3)				
112. Accumulation start date on labels	CCR 66262.34(f)(2)		X		
113. Hazardous Waste accumulation time not exceeded	CCR 66262.34		X		
114. Hazardous Waste containers sound	CCR 66265.171		X		*
115. Hazardous Waste containers not leaking	CCR 66265.173(b)		X		*
116. Hazardous Waste containers closed	CCR 66265.173(a)		X		
117. Contaminated containers managed properly	CCR 66261.7		X		*
118. Container storage area inspected weekly	CCR 66265.174		X		
119. Hazardous Waste managed lawfully	CHSC 25154		X		*
120. Aboveground Tank storage area inspected daily	CCR 66265.195		X		
HAZARDOUS WASTE RECORDS AND MANIFESTS					
125. Hazardous Waste transported with a manifest	CCR 66262.20(a)		X		*
126. Hazardous Waste manifest complete	CCR 66262.23		X		*
127. Hazardous Waste manifests sent to DTSC	CCR 66262.23(a)(4)		X		
128. Manifests retained for at least 3 years	CCR 66262.40(a)		X		
129. Biennial Report prepared	CCR 66262.41		X		
130. Hazardous Waste analyses retained for 3 years	CCR 66262.40(c)		X		
131. Training documentation complete & available	CCR 66265.16		X		*
132. SB 14 completed and available	CCR 67100.3		X		
MANAGEMENT OF USED OIL AND BATTERIES					
135. Used oil managed properly	CHSC 25250.4		X		
136. Used oil not contaminated with Hazardous Waste	CHSC 25250.7		X		
137. Used oil receipts complete & available	CHSC 25250.8(b)			X	
138. Used oil filters managed lawfully	CCR 66266.130		X		
139. Used batteries managed lawfully	CCR 66266.81		X		
DISPOSAL AND TRANSPORTATION					
145. Illegal disposal/abandonment of Hazardous Waste	CHSC 25189.5(a)			X	*
146. Illegal disposal of used oil	CHSC 25250.5(a)			X	*
147. Transportation of Hazardous Waste w/o registration	CHSC 25163			X	*
148. Hazardous Waste hauled by registered transporter	CHSC 25163		X		*
149. Haz. Waste transported to an unauthorized facility	CHSC 25189.5(c)			X	*

RELEASE AND RESPONSE/BUSINESS PLANS		V	C	N	
201. Hazardous Material Handler permit current	CC 23.0602(b)(3)		X		
202. Business Plan established	CHSC 25503.5		X		
203. Business Plan submitted/updated	CHSC 25505		X		
204. Hazardous Materials release reported	CHSC 25507			X	
205. Facility access for inspection granted - HM Only	CHSC 25508		X		
206. Regulated Substances registration filed	CHSC 25533(a)			X	
207. SPCC Plan completed	CHSC 25270.5(c)		X		

INSPECTION NARRATIVE

This inspection was performed by Kathleen Brundage and Greg Zeigler, San Bernardino County Fire Dept., with the assistance of Theresa DuBois, EHS Specialist, GE West Coast Operations and Wes Bauer, Health and Safety Program Manager.

The facility was inspected for compliance with hazardous materials and hazardous waste regulations. An onsite drum rinsing operation and wastewater treatment plant operate at this facility under Tiered Permitting for Hazardous Waste Treatment.

This facility overhauls, cleans, and repairs aircraft jet engines per FAA guidelines. The turnaround time for receiving, repairing, and shipping is 45 days.

Documentation/ Permitting Evaluation:

All permits, records, and documentation were kept in an orderly, well managed fashion.

- Handler/ Generator Permits: on-site and up to date
- Business Contingency Plan: on-site and up to date
- SPCC Plan: Complete and maintained at the facility, PE certified.
- Manifests: EPA ID# CAD009542721 consistent on all manifests; manifests filled out properly; copies sent to DTSC; copies received from TSDF in less than 30 days in all cases; copies kept for at least 3 years; land disposal restriction paperwork completed.

☐ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN ____ DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: Kathleen Brundage Received by: _____ Title: _____

Revised 5/15/2002

CUPA
San Bernardino County Fire Department
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385 N. Arrowhead Ave., 2nd Floor, San Bernardino, CA 92415-0153 • (909) 387-3080 FAX (909) 387-4323

SUPPLEMENTAL INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
G.E. Engine Services	1923 E. Avion St. Ontario, Ca. 91761

Documentation/ Permitting Analysis (continued):

- **Inspection Records: Inspection records for Hazardous Waste Storage Area, Satellite Accumulation Areas, and Above Ground Storage tanks are kept on site and up to date**
- **Training Documentation: Training records are kept on all applicable employees, as well as a training matrix to summarize training received and needed. 3 employees on-site have 40 hour "HAZWOPER" training.**

Hazardous Waste Storage Area:

Hazardous Waste Storage Area is maintained in a very orderly manner. The area is bermed, locked, and kept clean. Drums are kept closed and accounted for with a Number Tracking System. Drums are segregated by general type and chemical hazard. Empty drums are properly labeled. Labeling is correct and complete. Accumulation start dates are listed on all drums.

Satellite Accumulation Areas (S.A.A.):

During time of inspection, there were a total of 4 S.A.A. in Hangars 2 and 5. All were well managed, with good housekeeping, and labeling. Drums are kept closed, and are kept in secondary containment. All S.A.A.'s had site-specific spill kits. Accumulated at these areas were oil soaked clay absorbent, oil rags and paper towels, oil/fuel filters, aerosol cans, waste oil, and waste fuel. S.A.A. in Hangar 2 also had accumulation for Molydag and Microballon waste. Accumulation dates were written on all drum labels.

7 Tank Rinse Line (Hangar 1):

See Reports completed by Wayne Williams of this Department in 1993 & 1995; Shows flow chart, chemicals, temperatures, tank materials, etc. of this process. The process has not changed.

Waste Water Treatment Plant (FTU-1):

See Reports completed by Wayne Williams of this Department in 1993 & 1995; Those reports show flow chart, chemicals processed from wastewater, and chemicals and quantities in bulk tanks used in this process. The process has changed in quantity of wastewater flow per day estimated in 1995 Wayne Williams report (3400 gal.); Average flow of wastewater is 6000 gal. with an average of 10,000 gal. treated water flow per day. See also attached handout provided by GE showing brief explanation and flow chart. Treated water flows to Inland Empire Utilities Treatment Plant. Wastewater sludge is recovered at 5-55 gal. drums per year and shipped offsite for disposal. Sludge typically includes Barium, Nickel, and Chromium.

Hazardous Materials Storage Area

Drums are stored on pallets and segregated by chemical type and hazard category. Area is bermed, locked, covered, and kept clean. Drums are kept closed. Area includes 10-55 gal. drums of J-88L permanganate scale conditioner and 24-55 gal. drums of J-84AL sodium hydroxide solution.

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Inspector: Kathleen Brundage Received by: _____ Inspection Date: 6/26/02

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SUPPLEMENTAL INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
G.E. Engine Services	1923 E. Avion St. Ontario, Ca. 91761

Tiered Permitting Checklist Review
Waste Water Treatment Plant (PBR)
- **Secondary containment is in place surrounding the primary unit and batch unit.**

Tiered Permitting Checklist Review
- **A Financial Assurance letter was submitted to this office in March of 2002, as well as a Closing Cost Estimate.**
- **A Phase I Environmental Assessment is in the process of being completed (Please submit to this office upon completion).**

The completed Tiered Permitting Inspection checklist is attached to this report.

At the time of the inspection the facility operation were clean and well organized. No violations were noted.

If you have any questions regarding this report please contact this office at (909) 386-8401. Thank you for your assistance.

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Inspector: Kathleen Brundage Received by: certmail Inspection Date: 6/26/02

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INSPECTION REPORT FOR GENERATORS
Permit by Rule, Conditionally Authorized and Conditionally Exempt Notifiers

FACILITY NAME: GE Engine Services EPA ID NUMBER: CAD009527271
PHYSICAL ADDRESS: 1923 E. Avión
FACILITY CONTACT NAME: Teresa DuBois PHONE: 937-5380
SIC CODE(S): _____ _____ _____ INSPECTION DATE: 10/26/02 LOCAL #: 86008643

*GENERATOR: CESQG _____ SQG _____ LQG _____
NOTIFIED UNIT COUNT: PBR 1 CA ___ CESW 1 CESQG ___ CEL ___ CECL ___ TOTAL 2
CORRECT UNIT COUNT: PBR 1 CA ___ CESW 1 CESQG ___ CEL ___ CECL ___ TOTAL 2

This checklist and inspection report identify violations of state law regarding onsite treaters of hazardous waste, operating under an onsite permitting tier. This inspection verifies compliance with information provided on form 1772 or the CUPA Notification Form. It also covers generator requirements, although a separate checklist may be used for those requirements. A checkmark indicates a violation of law, which is explained in more detail on the attached note sheets. The governing laws are the Health and Safety Code (HSC) and Title 22 of the California Code of Regulations (22 CCR).

Generator Standards:

Each inspection agency may use their own generator inspection checklist or protocols, which are summarized below. A full evaluation of each item or document shall be conducted during the inspection. A full evaluation of each item or document is not conducted during the Verification Inspection unless serious deficiencies are suspected.

NO

___ 1. **Contingency plan** has been prepared (adequately minimizes releases, has alarm/communication systems, lists emergency equipment, name and phone numbers of emergency coordinators). ✓
___ 2. **Written training documents** and records prepared for employees handling hazardous waste. ✓
___ 3. Meet **container management standards** (storage time limits, closed, labeled, compatibility, inspected weekly, in good condition, with ignitable/reactives 50 feet from property line). ✓
___ 4. Meet **tank management standards** (either secondary containment or integrity assessments, plus storage time limits, labeled, compatibility, inspected daily, in good condition, with ignitables/reactives 50 feet from property line). ✓
___ 5. **Hazardous waste determination** (hazardous by testing the waste or applying knowledge of characteristics). ✓
___ 6. **EPA identification number** (generator has an EPA identification number). ** ✓
___ 7. **Aisle space** is maintained to allow for the unobstructed movement of personnel, fire protection equipment, spill control equipment and the decontamination equipment in an emergency). ✓
___ 8. **Accumulation of hazardous waste** is appropriate for the time allowed. (LQG <90 days; SQG 180 or 270 days or less if the waste for transportation > 200 miles and waste onsite is <6000 kg at any time; CESQG - 90 day clock starts when 100 kg of hazardous waste or 1 kg of acutely hazardous waste is accumulated). ✓
___ 9. **Manifest standards** (copies of manifest onsite for at least 3 years, within 30 days of each shipment submit to the Department of Toxic Substances Control (Department) a legible copy of each manifest used, generator and waste sections completed, transported hazardous waste without/incomplete manifest). ✓
___ 10. **Inspection standards** for hazardous waste accumulation area (container - weekly and tanks - daily). ✓

NO

___ 11. **Milkrun standards** (generator has retained copies of shipping paper/receipt for 3 years, retained copies of used oil/oil filter/photo processing waste/antifreeze/automotive parts cleaning solvents receipts for 3 years).

___ 12. **Land disposal restrictions standards** (LDR), (generator has determined whether waste is restricted for land disposal, notified for LDR notification/certification).

___ 13. **Biennial Report / exception report** submitted to the Department and retained for 3 years. (Biennial report for LQG generators of RCRA hazardous waste only).

Treatment Items - Facility Wide: (*Facility must submit a revised Form to correct errors or omissions.)*

___ 14. All **units** under PBR, CA and CE are properly indicated on the Notification Form. (Add any new units with unit sheets or correct tier on the unit sheet.)

___ 15. All generator **identification** information on the Notification is correct.

___ 16. The submitted **plot plan/map** adequately shows the location of all regulated units.

___ 17. There are records documenting compliance with sewer agency **pretreatment standards** and industrial waste discharge requirements, where applicable.

For CA or PBR notifiers:

___ 18. The generator has an annual **waste minimization** certification. (PBR submit with renewals.)

* CESQG: Generating <100 kg of hazardous waste or 1 kg of acutely hazardous waste in a calendar month.
SQG: Generating <1000 kg of hazardous waste in a calendar month.
LQG: Generating >1000 kg of hazardous waste in a calendar month.

**No EPA ID Number required for generators who generate <100 kg/month of hazardous waste and are engaged solely in used oil & solvent milk run activities in California

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INSPECTION REPORT FOR GENERATORS
Permit by Rule, Conditionally Authorized and Conditionally Exempt Notifiers
UNIT SHEET

Unit Number: FTU-1 **Unit Name:** Spent Conc. Neut. System
Notified Tier: PBR **Correct Tier:** PBR

Notified Device Count: **Tanks** 18 **Containers:** 1
Correct Device Count: **Tanks** 18 **Containers:** 1

For all Units:

NO

___ 19. All hazardous wastes treated are **generated onsite.** ✓
___ 20. The unit modification information is accurate as to the number of **tanks or containers.** ✓
___ 21. The estimated notification **monthly treatment volume** is appropriate for the indicated tier. ✓
___ 22. The **waste identification/evaluation** is appropriate for the tier indicated. ✓
___ 23. The **wastestream(s)** given on the notification form are appropriate for the tier. ✓
___ 24. The **treatment process(es)** given on the notification form are appropriate for the tier. ✓
___ 25. The **residuals management** information on the form is correct and documented for the unit. ✓
___ 26. The indicated **basis for note needing a federal permit** on the notification form is correct. ✓
___ 27. There are **written operating instructions** and a record of the dates, volumes, residual management and types of wastes treated in the unit. ✓
___ 28. There is a **written inspection schedule** (containers - weekly and tanks - daily). ✓
___ 29. There is a **written inspection log** of the inspections conducted. ✓
___ 30. If the unit has been closed the generator has **notified DTSC and the local agency of the closure.** NA

For each CA or PBR unit:

___ 31. The generator has **secondary containment** for treatment in containers (due on 1/1/98). ✓
___ 32. **Financial Assurance** for closure cost estimates (due 10/1/96 & submit by 1/1/97). ✓
___ 33. **Phase I Environmental Assessment Checklist** (due 1/1/97 or within one year of the date when the facility is authorized to operate, whichever is later). ✓

For each PBR unit:

___ 34. The **exterior of each unit is marked** with the name of the owner/operator, facility identification number and an individual serial number. ✓
___ 35. There is a written **waste analysis plan.** ✓
___ 36. There are **waste analysis records.** ✓
___ 37. There is a written **closure plan** for the unit. ✓

Unit Comments/Observations: (If this is a unit that was not included on the notification form, the violation is operating without a permit - HSC 25201(a).)

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INSPECTION REPORT FOR GENERATORS
Permit by Rule, Conditionally Authorized and Conditionally Exempt Notifiers
UNIT SHEET

Unit Number: FTU-2 **Unit Name:** Drum Rinsing Op.
Notified Tier: CESW **Correct Tier:** CESW

Notified Device Count: **Tanks** 1 **Containers:** Ø
Correct Device Count: **Tanks** 1 **Containers:** Ø

For all Units:

NO

___ 19. All hazardous wastes treated are **generated onsite.**
___ 20. The unit modification information is accurate as to the number of **tanks or containers.**
___ 21. The estimated notification **monthly treatment volume** is appropriate for the indicated tier.
___ 22. The **waste identification/evaluation** is appropriate for the tier indicated.
___ 23. The **wastestream(s)** given on the notification form are appropriate for the tier.
___ 24. The **treatment process(es)** given on the notification form are appropriate for the tier.
___ 25. The **residuals management** information on the form is correct and documented for the unit.
___ 26. The indicated **basis for note needing a federal permit** on the notification form is correct.
___ 27. There are **written operating instructions** and a record of the dates, volumes, residual management and types of wastes treated in the unit.
___ 28. There is a **written inspection schedule** (containers - weekly and tanks - daily).
___ 29. There is a **written inspection log** of the inspections conducted.
___ 30. If the unit has been closed the generator has **notified DTSC and the local agency of the closure.**

For each CA or PBR unit:

___ 31. The generator has **secondary containment** for treatment in containers (due on 1/1/98).
___ 32. **Financial Assurance** for closure cost estimates (due 10/1/96 & submit by 1/1/97).
___ 33. **Phase I Environmental Assessment Checklist** (due 1/1/97 or within one year of the date when the facility is authorized to operate, whichever is later).

For each PBR unit:

___ 34. The **exterior of each unit is marked** with the name of the owner/operator, facility identification number and an individual serial number.
___ 35. There is a written **waste analysis plan.**
___ 36. There are **waste analysis records.**
___ 37. There is a written **closure plan** for the unit.

Unit Comments/Observations: (If this is a unit that was not included on the notification form, the violation is operating without a permit - HSC 25201(a).)

unit is not utilized often.

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INSPECTION REPORT FOR GENERATORS
Permit by Rule, Conditionally Authorized and Conditionally Exempt Notifiers
SIGNATURE SHEET

Onsite Recycling: *Only answer if this facility recycles >100 kilograms/month of hazardous waste onsite.*
NO

___ 38. The appropriate **local agency has been notified.** ✓
___ 39. All activities claimed under the **onsite recycling exemption or exclusions are appropriate.** ✓

Releases:
YES

___ 40. Within the last three years, were there any **unauthorized or accidental releases to the environment** of hazardous waste or hazardous waste constituents **from onsite treatment units**? NO
___ 41. Within the last three years, were there any **unauthorized or accidental releases to the environment** of hazardous waste or hazardous waste constituents **from any location at this facility**? NO

Source Reduction: *Only answer if this facility generates >12,000 kilograms/year of hazardous waste onsite.*
___ 42. Generator is subject to **SB14** and has failed to prepare and retain current **source reduction documents**, as applicable; or make them available to the inspector within 5 days.
___ 43. **Source Reduction Evaluation Review and Plan** failed to contain, at a minimum, the following five required elements: certification, amounts of waste generated, process description, block diagrams and implementation schedule of selected source reduction measures.

This report may identify conditions observed this date that are alleged to be violations of one or more sections of the California Health and Safety Code (HSC) or the California Code of Regulations, Title 22 (22 CCR) relating to the management of hazardous waste. The violations may be described in more detail on the attached note sheets. If any violations are noted, the facility is required to submit a signed Certification of Return to Compliance within 30 days, unless otherwise specified (a certification form is provided). If any corrections are needed for the initial notification, the facility will submit a revised notification within 30 days to the Department of Toxic Substances Control (DTSC) and to the local enforcement agency. DTSC may reinspect, at any time, to verify compliance with this Notice to Comply.

Inspector(s):

Lead Inspector:

Signature: Kathleen Brundage
Printed Name: Kathleen Brundage
Title: Environmental Health Spec.
Agency: San Bernardino Co Fire
Phone Number: (909) 387-3080

Other Inspector:

Signature: _____
Printed Name: _____
Title: _____
Agency: _____
Phone Number: _____

Facility Representative:

Your signature acknowledges receipt of this report and does not imply agreement with the findings.

Signature: TDuBois
Printed Name: Theresa DuBois
Title: Environmental Programs Manager
Date: June 27, 2002

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INSPECTION REPORT FOR GENERATORS
Permit by Rule, Conditionally Authorized and Conditionally Exempt Notifiers
NOTE SHEET

This sheet includes inspector observations and expands on this violations identified on the checklist (by number). In some cases it indicates how the facility should correct the violations.

General facility standards - no violations noted - see hazardous waste generator / handler report for specific details

WWTP - opened 1990 - operates 2 "trains"
Steps for treatment:
pH adjustment - equalization stage
Neutralization - metal precipitation -
flocculation -
filtration
sludge dewatering - filter press
(flowchart - provided)
Waste streams treated include
engine/parts cleaner
FPI waste
ECG waste
Test cell waste water from oil/water clarifier

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NOTE SHEET

This sheet includes inspector observations and expands on this violations identified on the checklist (by number). In some cases it indicates how the facility should correct the violations.

NOTICE TO COMPLY: NONE

SUMMARY OF VIOLATIONS: NONE

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INSPECTION REPORT FOR GENERATORS
Permit by Rule, Conditionally Authorized and Conditionally Exempt Notifiers
NOTE SHEET

This sheet includes inspector observations and expands on this violations identified on the checklist (by number). In some cases it indicates how the facility should correct the violations. Also include the names of any others participating in this inspection

Consent given by: Teresa DuBois

Representatives Present: Kathleen Brundage, REHS - San Bdno Co Fire Dept
Greg Zeigler, San Bernardino Co. Fire Dept.

NOTES:

Closure Plan - for PBR Unit - @ corporate - obtain a copy for onsite inspection
Waste Analysis - every other year. Last conducted 7/01
Waste Discharge - wastewater - 3/99 - IEUW permitted
Biennial Report - 2/27/02
SB 14 - submitted
PE Certification completed.

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REQUEST FOR RECORDS RESEARCH

Ref #	011005-02
Amt. Pd.	71.00
Receipt No.	0890
Date	10/10/01

SITE REQUESTED ($71.00 per site):

FACILITY AND/OR OWNER NAME: -

SITE ADDRESS: 1923 (Street #) E. Avion Dr. (Street Name)

CITY/TOWN: Ontario

If this site is within the Victorville City limits, contact the Victorville City Fire Department at (760) 955-5229 for information. If this site is within this site is within the Hesperia City limits, contact the Hesperia City Fire Department at (760) 947-1600 for information.

Records are searched by site location. If you are unable to obtain an actual site address, please provide other identifying location information, such as an address range within a block (125-135 E. Main St.), a street corner (NWC Main St. and Elm Ave.), or an Assessor's Parcel Number and/or legal description (Township, Range, Section).

REQUESTED BY:

Individual Name: Suzan J. Hazard

Title:

Company Name: *Environmental Support Services*
Environmental Research & Due Diligence Compliance

Mailing Address:

City, State, Zip:

Telephone: 714/671-3910 • FAX: 714/671-1008
2700 Craig Circle • Fullerton, CA 92835

PURPOSE *(check the box most closely related to your interest in site)*:

- ☑ Phase I site assessment or due diligence AT THE SITE
- ☐ Environmental consultant or engineer involved with remediation AT THE SITE
- ☐ Phase I site assessment or due diligence NEARBY
- ☐ Environmental consultant or engineer involved with remediation NEARBY
- ☐ Proposed School Site
- ☐ Proposed Drinking Water Well
- ☐ Owner or operator of the above facility or property.
- ☐ General interest/Community awareness
- ☐ Potential buyer
- ☐ Real Estate Agent, Lender, Appraiser
- ☐ Legal reasons
- ☐ Other: _____

The initial fee of $71.00 per each site record search must be submitted with this form. Record searches are performed in the order received. You may fax this form to (909) 387-4323 to be logged in the same day. Indicate that you have sent the original form with the fee by separate mail. A rate of $71.00 per hour will be charged for any extended research. If research reveals no records exist for the site, a letter to that effect will be issued and sent by mail. If records are identified, usually after ten working days, you will be notified in writing describing records that exist for the site and what files are available for review. At that time, you can schedule an appointment to review available files. If no records exist, you will be notified in writing. You can select a maximum of 20 pages to be copied at the time records are examined at a rate of 10 cents per page, or you can bring a personal copier or arrange a private copy service if preferred.

I have read the above procedures for records research.

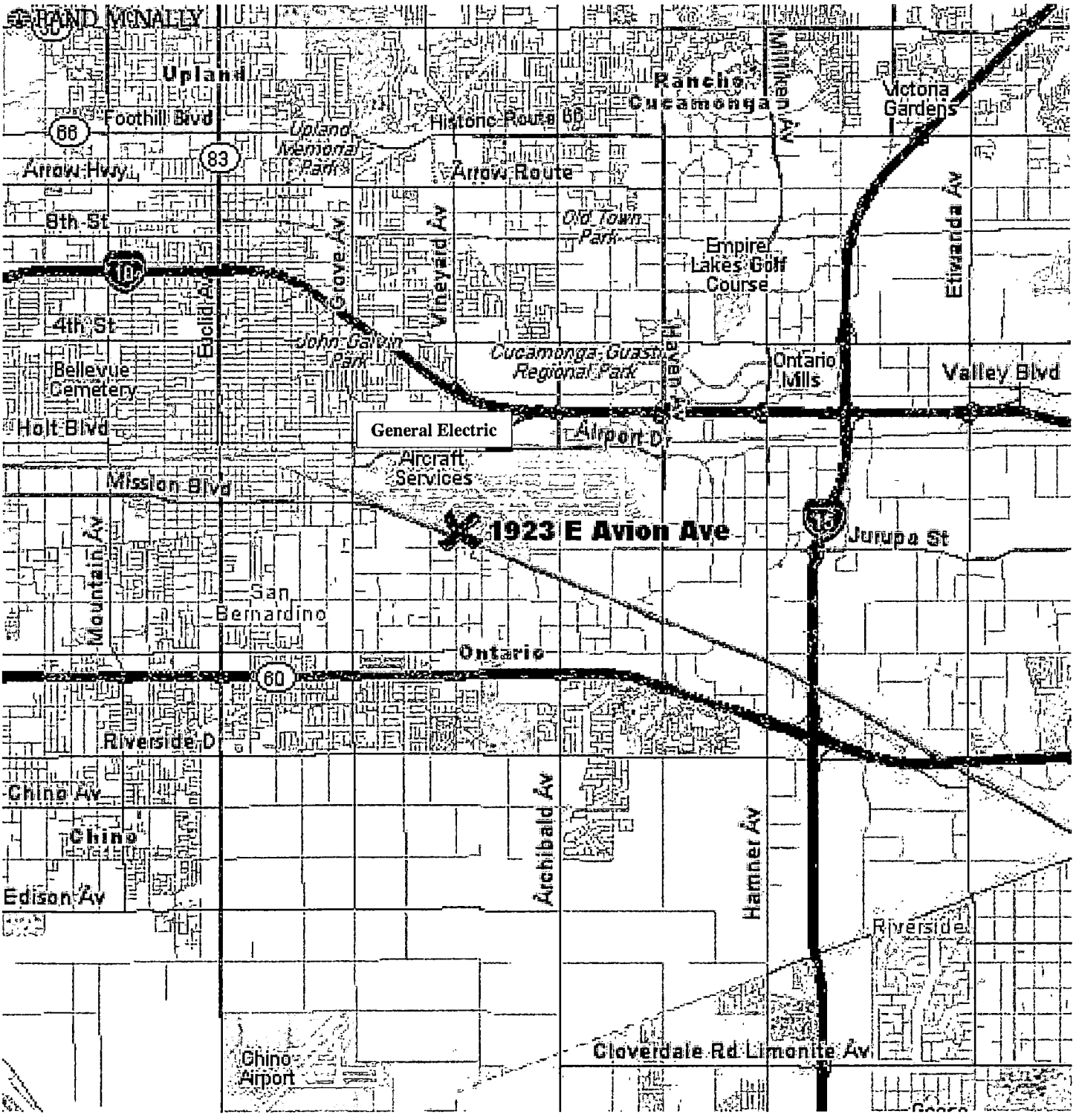
Signature _____ *Date* 10-4-01

Z:/HazMat/Elizabeth/Forms/Reccords Request Form 2001-02
rev. 8/01
LOP

GE Engine Services

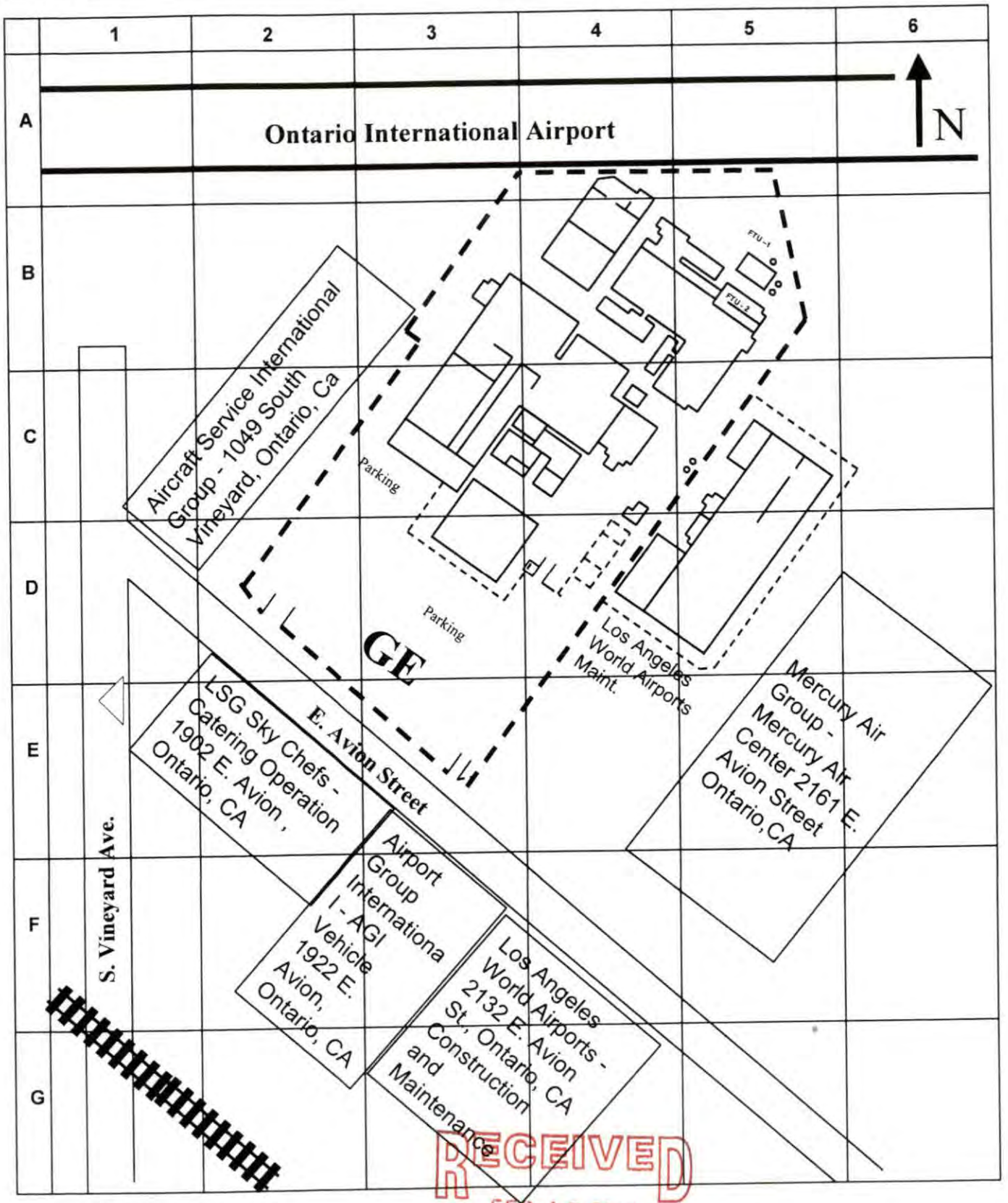
1923 E. Avion Streeet

Ontario, Ca 91761



Site MAP 1

BUSINESS NAME	BUSINESS SITE ADDRESS
GE Engine Services, Inc.	1923 East Avion Street, Ontario, CA



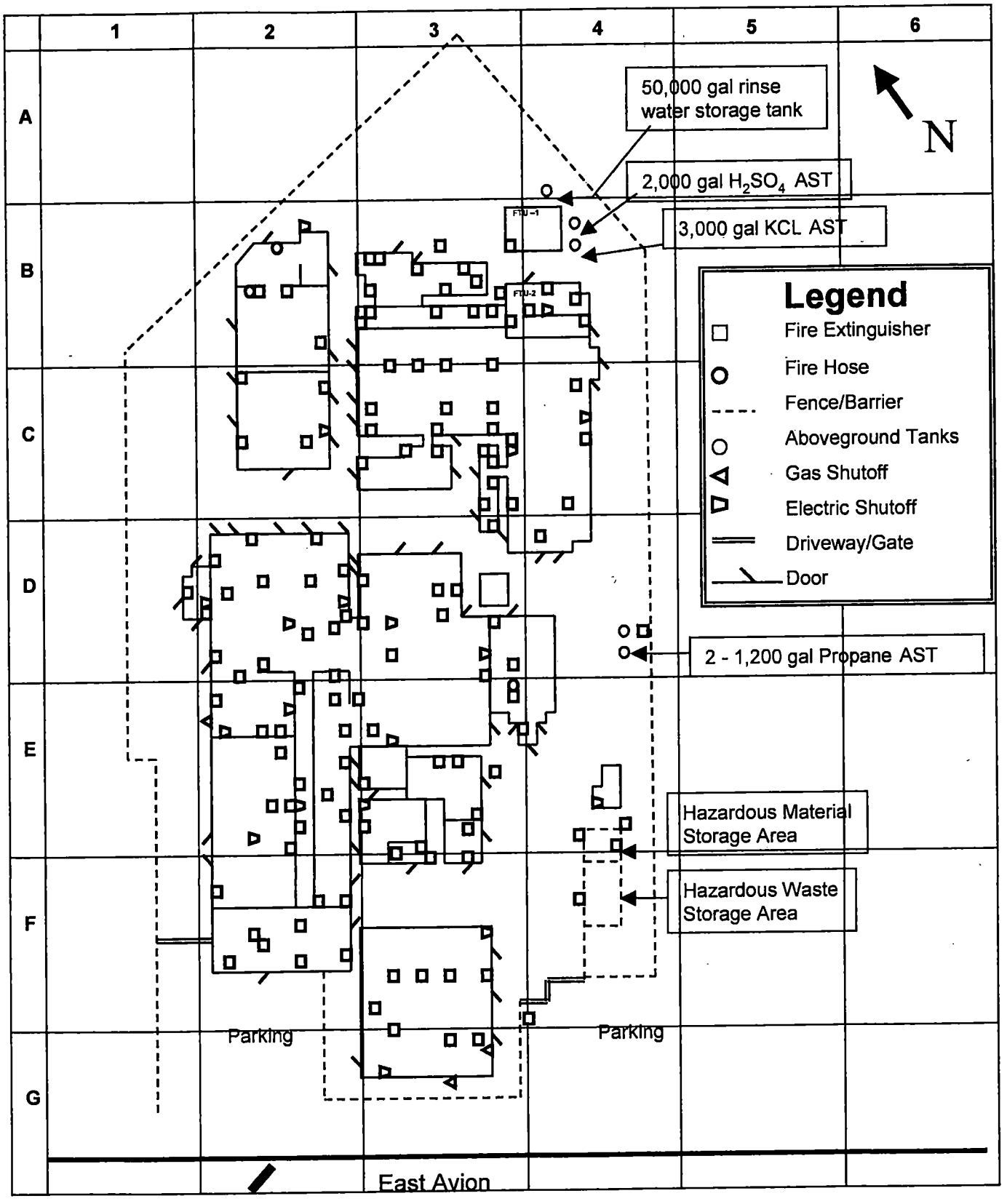
Date: January 25, 2005

Scale: 1" = 300'

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FEB 15 2005
S.B.CO. FIRE DEPT.

FACILITY MAP 1

BUSINESS NAME	BUSINESS SITE ADDRESS
GE Engine Services, Inc.	1923 East Avion Street, Ontario, CA

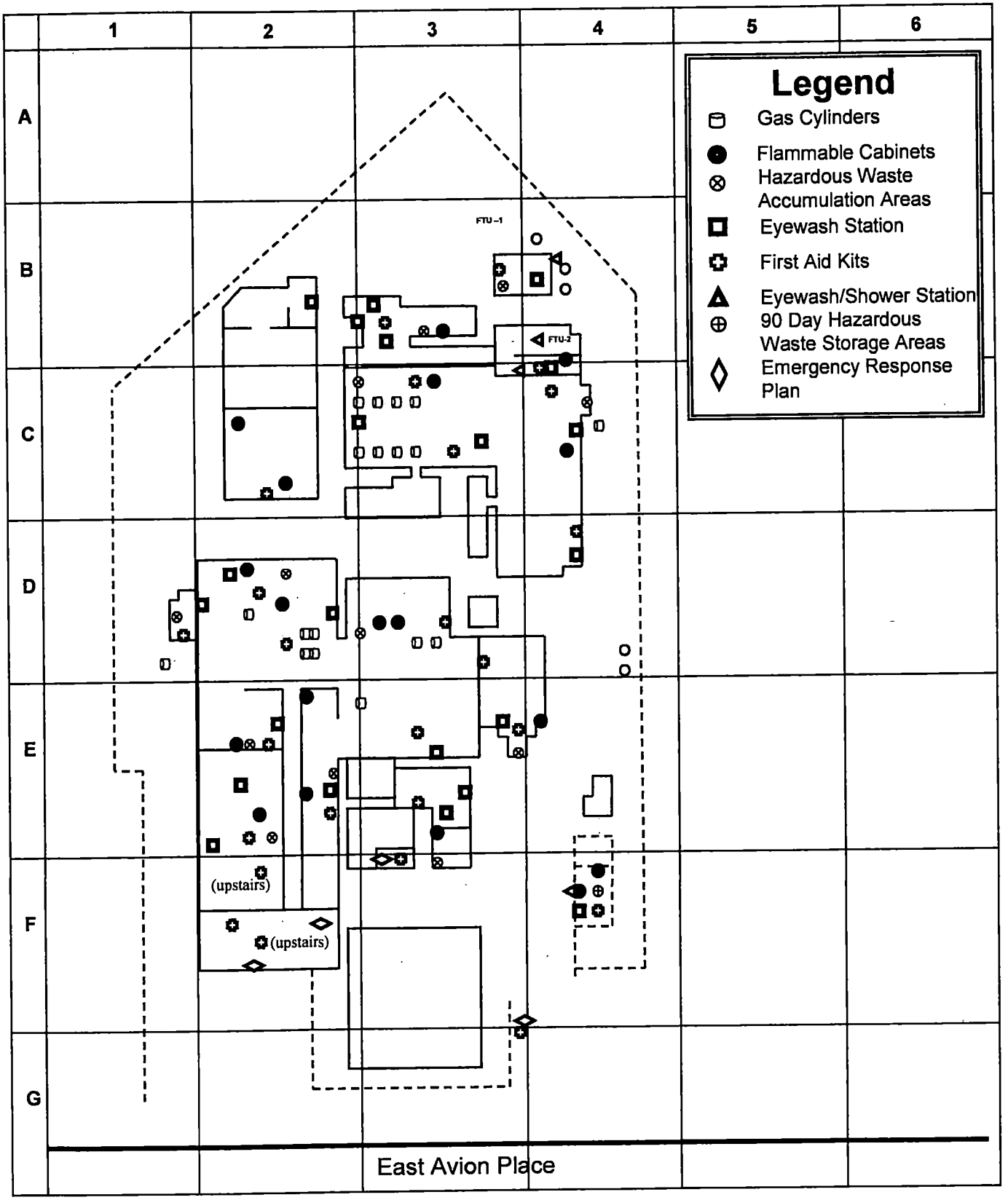


Date: January 25, 2005

Scale: 1" = 150'

FACILITY MAP 2

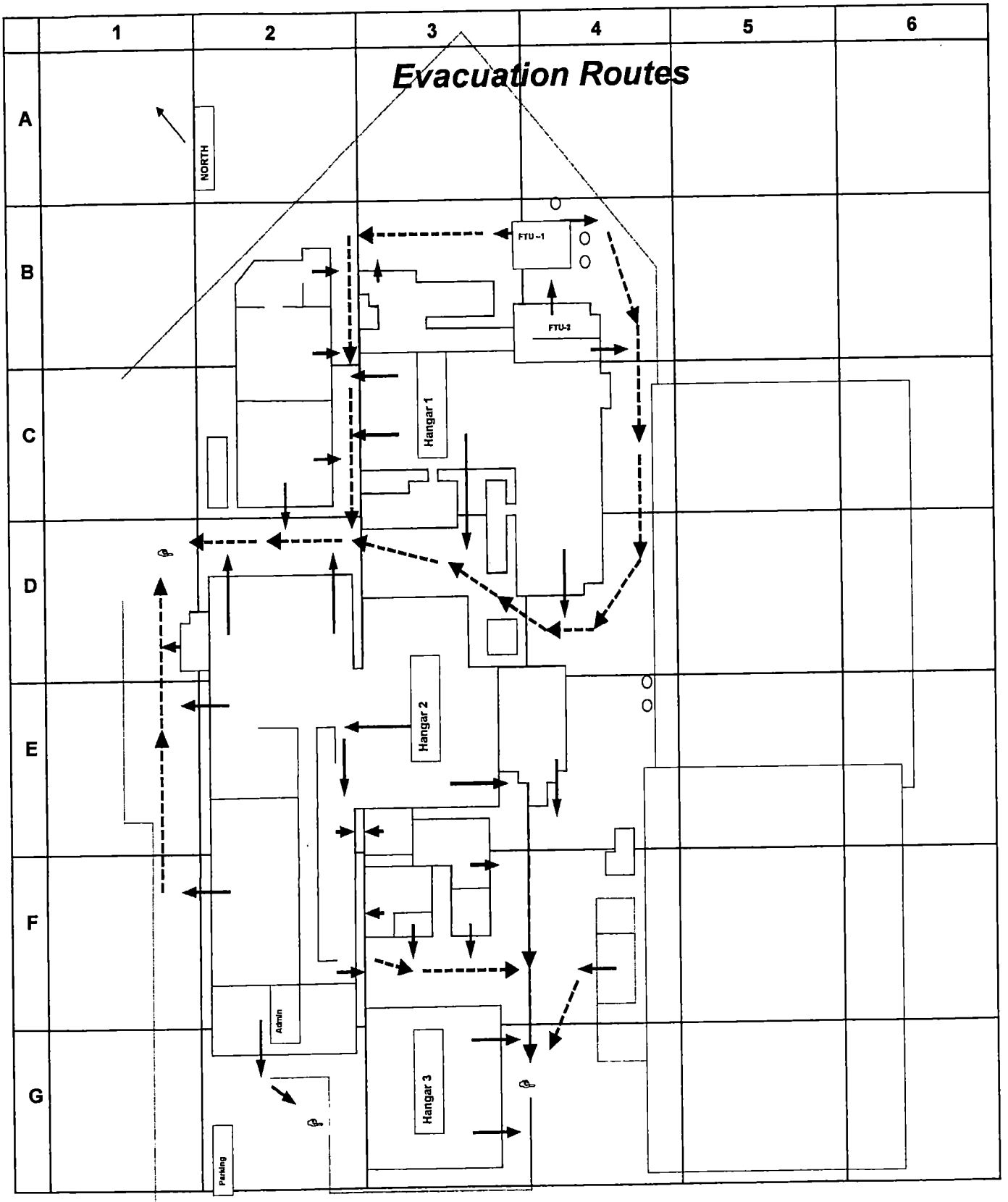
BUSINESS NAME	BUSINESS SITE ADDRESS
GE Engine Services, Inc.	1923 East Avion Street, Ontario, CA



Date: January 25, 2005

FACILITY MAP 3

BUSINESS NAME	BUSINESS SITE ADDRESS
GE Engine Services, Inc.	1923 East Avion Street, Ontario, CA

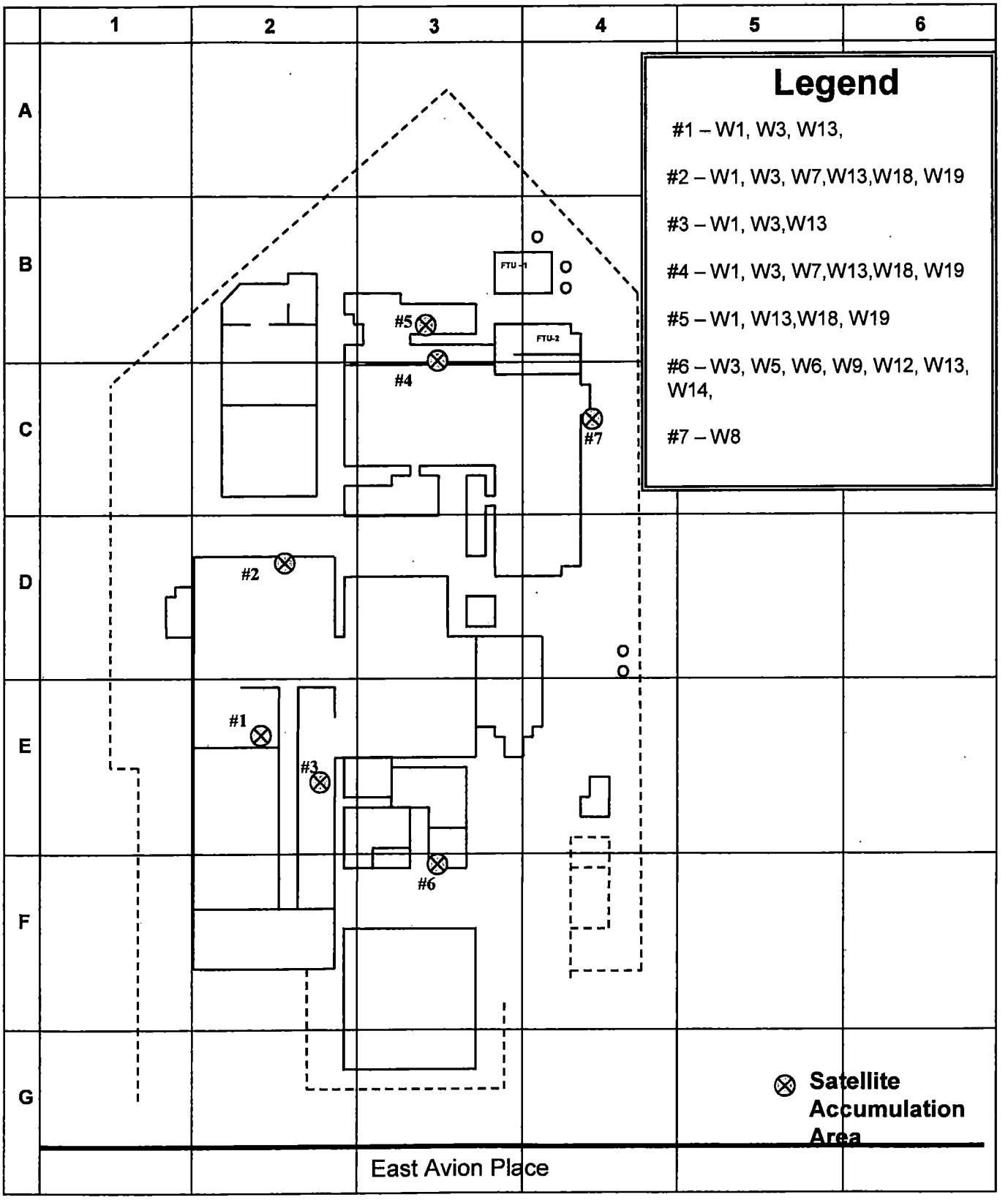


Date: January 25, 2005

Scale: None

FACILITY MAP 4

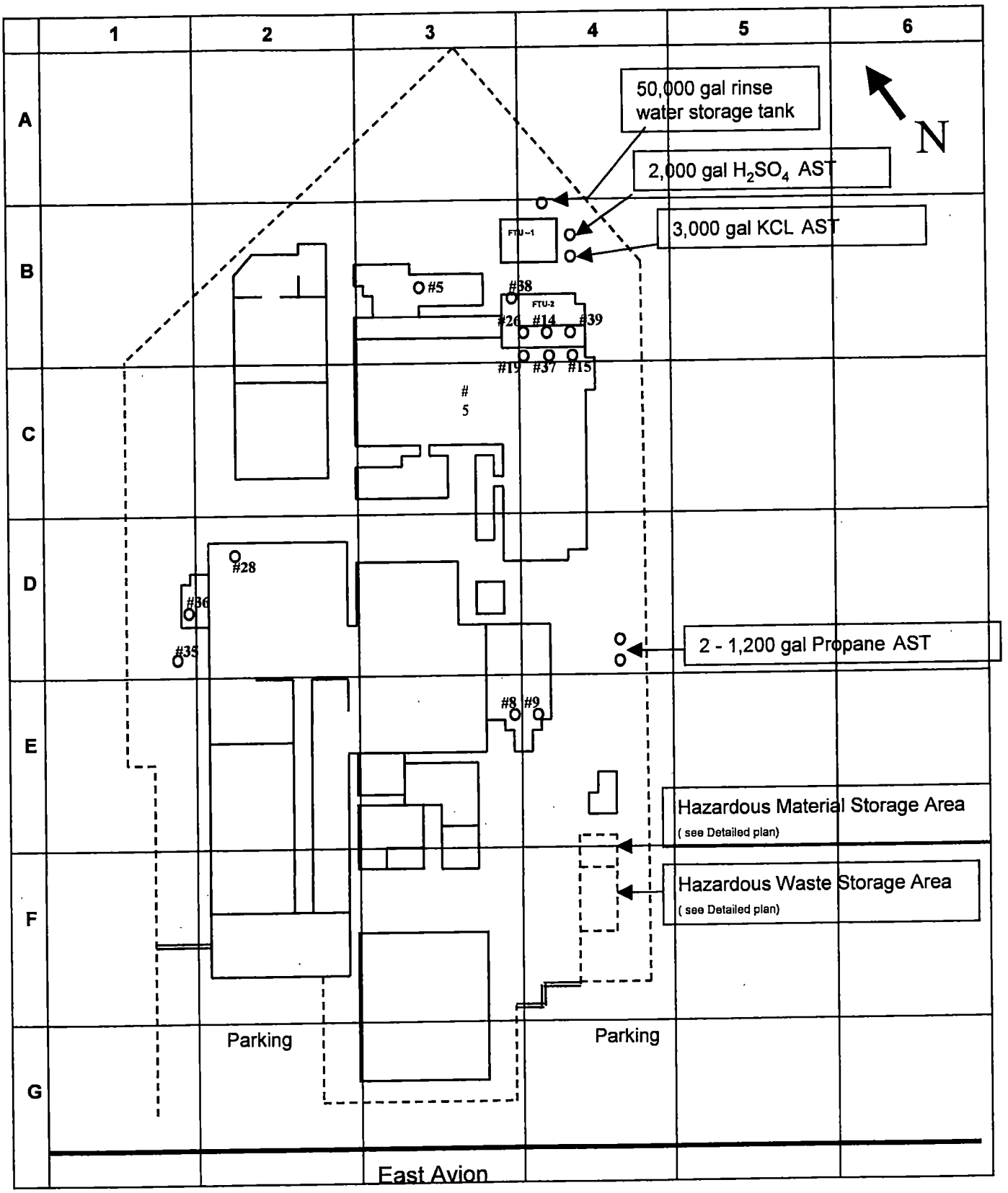
BUSINESS NAME	BUSINESS SITE ADDRESS
GE Engine Services, Inc.	1923 East Avion Street, Ontario, CA



Date: January 25, 2005

FACILITY MAP 5

BUSINESS NAME	BUSINESS SITE ADDRESS
GE Engine Services, Inc.	1923 East Avion Street, Ontario, CA

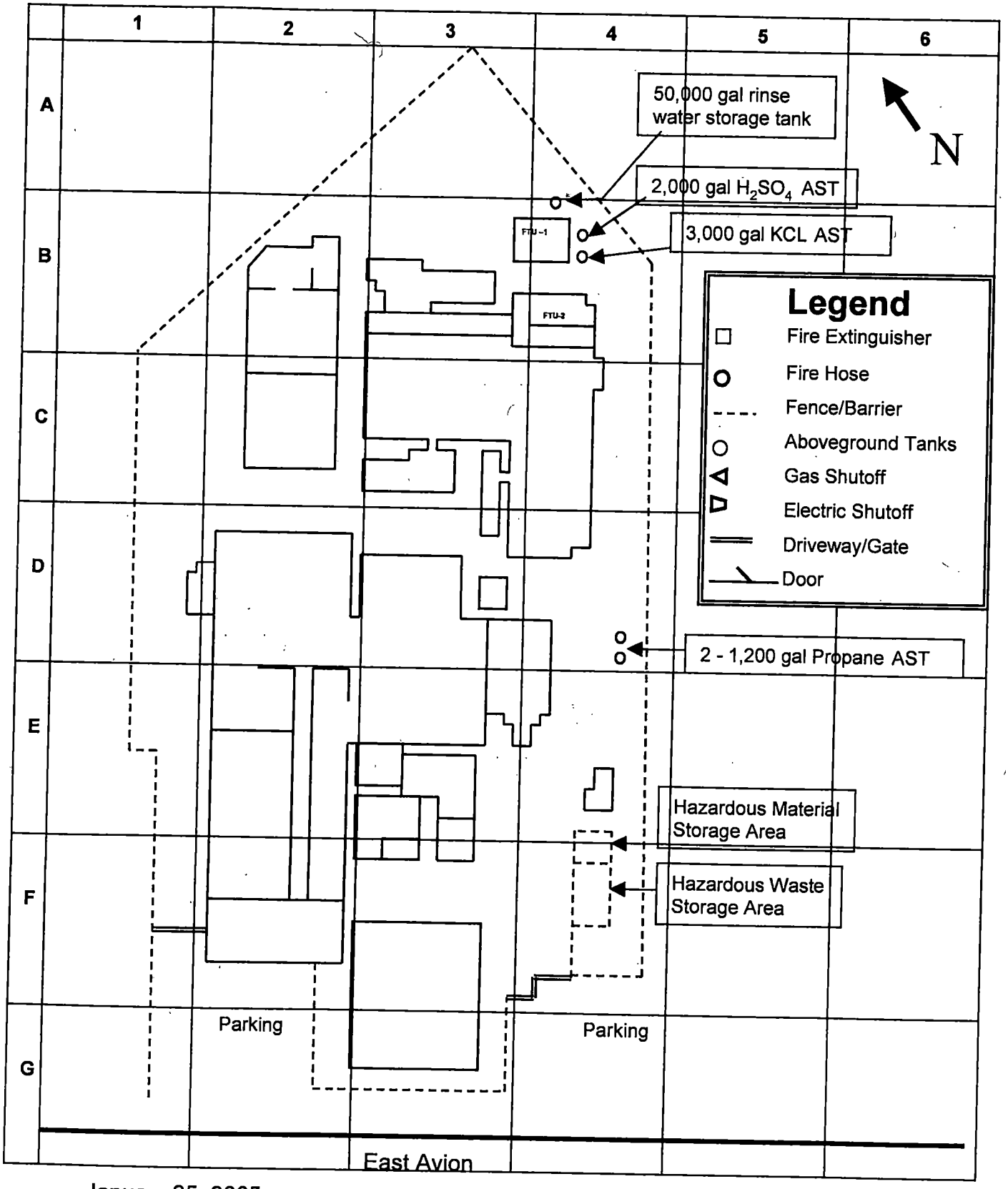


Date: January 25, 2005

Scale: 1" = 150'

FACILITY MAP 6

BUSINESS NAME	BUSINESS SITE ADDRESS
GE Engine Services, Inc.	1923 East Avion Street, Ontario, CA



Date: January 25, 2005

Scale: 1" = 150'

Advanced
GeoEnvironmental, Inc.

10 June 2013
AGE Project No. 13-2542

RECEIVED
JUN 26 2013
S.B. CO. FIRE DEPT.

Mr. Michael Kissick
MJK Construction, Inc.
2766 Pomona Boulevard
Pomona, California 91768

Subject: **UST Removal and Closure Report -**
ATLANTIC AVIATION - ONT
2161 East Avion Street, Ontario, California

Dear Mr. Kissick:

Advanced GeoEnvironmental, Inc. (AGE) has prepared the enclosed report summarizing the removal of seven underground storage tanks (USTs) and subsequent soil sampling and excavation activities performed on 07 and 22 May 2013 at the ATLANTIC AVIATION - ONT site at 2161 East Avion Street, Ontario, California (site).

1.0. SITE LOCATION AND DESCRIPTION

The site is located in an industrial area on the south side of the Ontario International Airport at 2161 Avion Street, Ontario, California (Figure 1 - *Location Map*). The site is a former fueling facility that contained seven USTs. The following table is a summary of the various USTs:

UST No.	UST Volume (gallons)	UST Contents	UST Construction
T1	25,000	Jet Fuel	Double-walled Fiberglass
T2	25,000	Jet Fuel	Double-walled Fiberglass
T3	15,000	Jet Fuel	Double-walled Fiberglass
T4	10,000	Av-Gas	Double-walled Fiberglass
T5	6,000	Gasoline	Double-walled Fiberglass
T6	2,000	Slop - various fuels	Double-walled Fiberglass
T7	500	Waste water	Steel

A fuel dispenser, related to the UST T5 (gasoline) was located north of the UST. The UST facility is depicted on Figure 2 - Site Plan.

2.0. DEPTH TO GROUND WATER

AGE reviewed the State of California Geotracker database to determine if groundwater has been encountered at any locations under environmental investigation in the vicinity of the site. The property at 2264 East Avion Street, located 0.22 mile southeast of the site, has numerous groundwater monitoring wells. The depth to groundwater on this property has ranged from 232 to 277 feet and flows to the southwest. AGE believes the depth to groundwater and flow direction are similar under the site.

3.0. UST REMOVAL

The USTs were removed by MJK on 07 May 2013. Prior to removal, the USTs had been exposed and were triple-rinsed by Adams Services Inc. On 29 April, 06 May and 07 May 2013 and the rinseate was subsequently transported to a Demenno/Kerdoon for disposal under manifest Nos. 01396378, 010396379 and 004291309 (manifests attached). Prior to removal, dry ice was added to each UST to assist in purging oxygen levels. Following the removals, USTs T1 through T6 were transported under non-hazardous waste manifests to Azusa Land Reclamation while UST T7 was transported to American Metals Recycling (non-hazardous waste manifests and destruction certificates attached).

The UST removals were witnessed by Inspector Heenan of the Ontario Fire Department and Ms. Brenda MacGregor of the San Bernardino County Fire Department - Hazardous Materials Division (SBCFD-HMD).

4.0. SOIL SAMPLE COLLECTION AND ANALYSIS

The sampling program was conducted by Mr. Robert Loeffler, California Professional Geologist No. 6709. Ms. MacGregor of the SBCFD-HMD directed the sampling program.

Within the UST excavation, samples were collected approximately 2 feet below both ends of USTs T1 through T4. One soil sample was collected 2 feet beneath the centers of USTs T5, T6 and T7. The initial sample under T7 was collected at 9 feet, however, based on hydrocarbon odors in the sample, a deeper sample was also collected at 14 feet. iOne soil sample was collected from a depth of 4 feet beneath the former dispenser. Two samples were also collected from the spoils piles. The sample locations are depicted on Figure 2. The samples collected from the UST excavation and dispenser location were collected from the teeth of the backhoe bucket while the spoils pile samples were collected with a hand auger. Each sample was compacted into a 2" x 3" brass sleeve, each end covered

with teflon sheets and capped. The sample sleeves were labeled and then placed in a chilled container.

All samples were transported under chain-of-custody to CalTech Environmental Laboratory (CTEL), a California Department of Public Health-certified laboratory, for analysis. The samples were analyzed for the following. and analyzed for the following constituents:

Sample Location	Sample Ids	Sample Date	Analysis
UST T1 - 25,000 Gal Jet Fuel, North and South End - 16' Depth	T1N-16' T1S-16'	5/7/2013	1. Total Petroleum Hydrocarbons - diesel range (TPH-d) - EPA Method 8015-m 2. Benzene, Toluene, Ethylbenzene, Xylenes and MTBE (BTEX/MTBE) - EPA method 8260B
UST T2 - 25,000 Gal Jet Fuel, North and South End - 16' Depth	T2N-16' T2S-16'	5/7/2013	1. TPH-d - EPA Method 8015-m 2. BTEX/MTBE - EPA method 8260B
UST T3 - 15,000 Gal Jet Fuel, North and South End - 14' Depth	T3N-14' T3S-14'	5/7/2013	1. TPH-d - EPA Method 8015-m 2. BTEX/MTBE - EPA method 8260B
UST T4 - 10,000 Gal Av-Gas, North and South End - 14' Depth	T4N-14' T4S-14'	5/7/2013	1. Total Petroleum Hydrocarbons - gasoline range (TPH-g) - EPA Method 8015-m 2. BTEX/MTBE - EPA method 8260B
UST T5 - 6,000 Gal Gasoline, Center - 12' Depth	T5C-12'	5/7/2013	1. TPH-g - EPA Method 8015-m 2. BTEX/MTBE - EPA method 8260B
UST T6 - 2,000 Gal "Slop Tank", Center - 10' Depth	T6C-10'	5/7/2013	1. TPH-g - EPA Method 8015-m 2. TPH-d - EPA Method 8015-m 3. BTEX/MTBE - EPA method 8260B
UST T7 - 550 Gal Waste Water, Center - 9' and 14' Depth	**T7C-9'** **T7C-14'**	5/7/2013	1. TPH-g - EPA Method 8015-m 2. TPH-d - EPA Method 8015-m 3. BTEX/MTBE - EPA method 8260B
Former Dispenser - 4' Depth	D-4'	5/7/2013	1. TPH-g - EPA Method 8015-m 2. TPH-d - EPA Method 8015-m 3. BTEX/MTBE - EPA method 8260B
"Clean" Spoils Pile	SP1 SP2	5/7/2013	1. TPH-g - EPA Method 8015-m 2. TPH-d - EPA Method 8015-m 3. BTEX/MTBE - EPA method 8260B

5.0. FINDINGS

Hydrocarbon odors and stained soil were noted in the dispenser sample as well as the two soil samples collected beneath UST T7.

TPH-g was detected in samples T7C-9', T7C-14' and D-4' at 110 mg/kg, 70 mg/kg and 110 mg/kg, respectively. TPH-d was detected in these same samples at 4,400 mg/kg, 2,900 mg/kg and 4,800 mg/kg, respectively. Toluene, ethylbenzene and xylenes were detected in these same samples at concentrations ranging from 0.040 mg/kg to 1.56 mg/kg. Benzene and MTBE were not detected in these samples.

TPH-g and/or TPH-d and BTEX and MTBE were not detected in any of the samples collected from beneath USTs T1 through T6 or the spoils pile samples.

The analytical results are summarized on Table 1. The analytical report, QA/QC report (CTEL Project No. CT178-1305043) and chain-of-custody form are attached.

Based on the analytical results, the SBCFD-HMD was contacted to determine if the impacted soil in the former dispenser and UST T7 area could be further excavated prior to submitting a closure report. On 13 May 20013, the SBCFD-HMD agreed to supervise the excavation of the impacted soil.

6.0. FURTHER EXCAVATION OF IMPACTED SOIL

On 22 May 2013, MJK Construction Inc. excavated additional soil in the dispenser and UST T7 location under the direction of Mr. Curtis Brundage of the SBCFD-HMD and Mr. Loeffler with AGE. The area under the former dispenser was excavated to a depth of 10.5 feet with lateral dimensions of 11 feet x 7 feet. The area under UST T7 was excavated to a depth of 21 feet with approximate lateral dimensions of 10 feet by 7 feet. The excavations were dug out until stained soil was no longer visible in the sidewalls. All impacted soil was stockpiled on visqueen sheeting and subsequently covered.

Under the direction of Mr. Brundage, soil samples were collected from the bottom of the excavations by Mr. Loeffler (samples EX-D-10.5' and EX-T7-21'). The excavation and sample locations are depicted on Figure 2. Each sample was compacted into a 2" x 3" brass sleeve, each end covered with teflon sheets and capped. The sample sleeves were labeled and then placed in a chilled container and transported to CTEL for analysis. The samples were analyzed for TPH-g, TPH-d and BTEX/MTBE in accordance with EPA methods 8015-m and 8260B.

TPH-g, TPH-d, BTEX and MTBE were not detected in either of the samples.

The analytical results are summarized on Table 1. The analytical report, QA/QC report (CTEL Project No. CT178-1305137) and chain-of-custody form are attached.

On 28 May 2013, 77.11 tons of impacted soil was transported under non-hazardous waste manifests to Soil Safe of California, Inc. in Adelanto, California for recycling. The weighmaster certificates and non-hazardous waste manifests are attached.

7.0. RECOMMENDATIONS

Based on field observations and the analytical results, AGE recommends that the SBCFD-HMD grant closure for this former UST facility based on the following:

- The depth to groundwater beneath the site is anticipated to be between 232 and 277 feet below surface grade.
- Seven USTs, dispenser and piping were removed from the site in May 2013.
- Impacted soil was encountered beneath the former waste water UST and dispenser, however, the soil was subsequently removed successfully. The excavated impacted soil was transported to Soil Safe of California, Inc. for recycling.
- No hydrocarbon impacted soils were encountered beneath former USTs T1 through T6.

8.0. LIMITATIONS

Our professional services were performed using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar localities. The findings were based solely upon analytical results provided by an independent laboratory. Evaluations of the hydrogeologic conditions at the site have been made from a limited number of available data points (i.e., soil samples) and subsurface conditions may vary away from these data points. No other warranty, expressed or implied, is made as to the professional interpretations, opinions, and recommendations contained in this report.

If you have any questions or require further information, please contact our office at (714) 529-0200.

Sincerely,

***Advanced* GeoEnvironmental, Inc.**



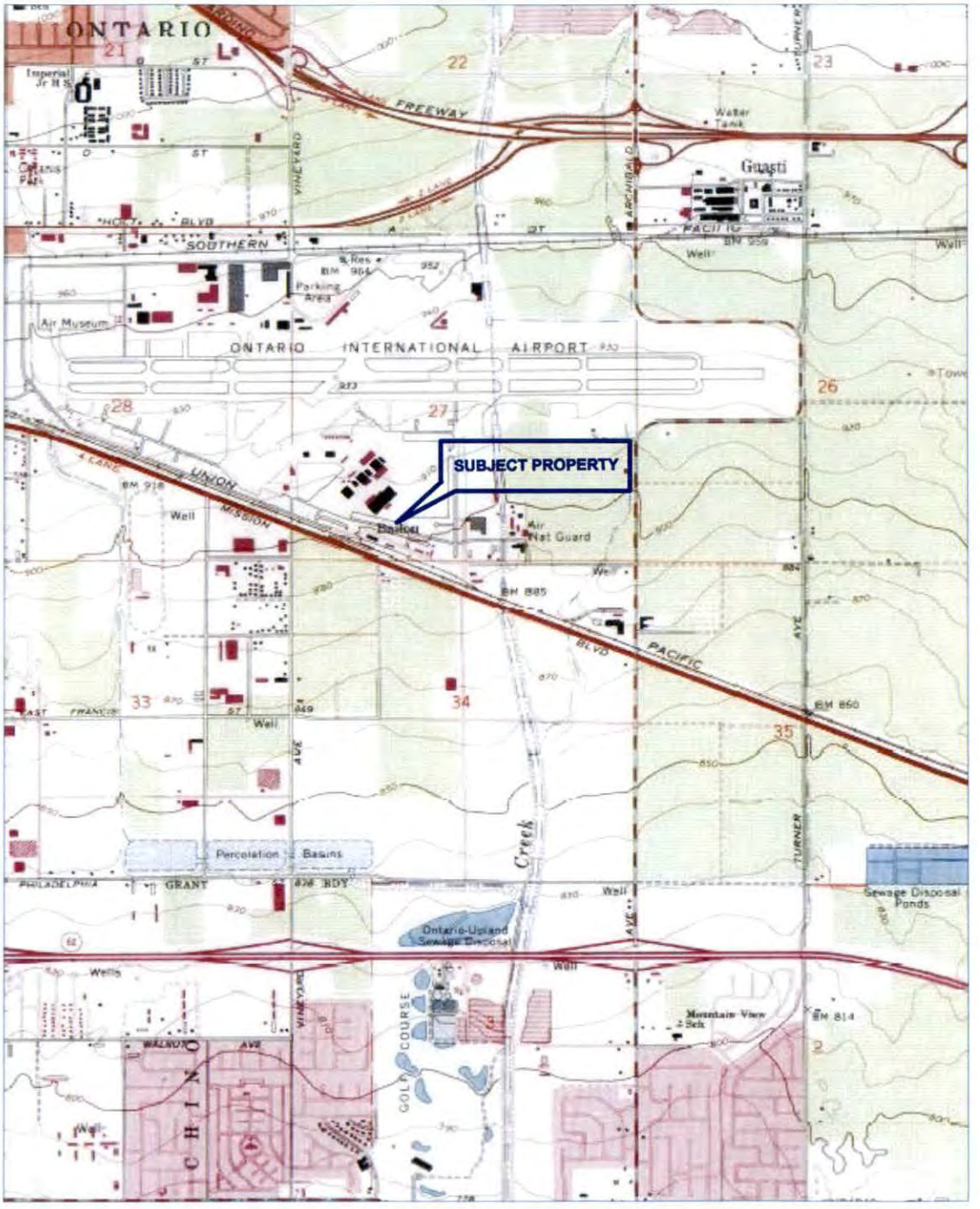
Robert D. Loeffler
Vice President
California Registered Geologist No. 6709

Attachments

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Atlantic Aviation - ONT, 2161 Avion Street, Ontario
(results in mg/kg)

Sample	Date	Sample Location	TPH-gas range (8015m)	TPH-diesel (jet fuel range) (8015m)	BTE&X with MTBE (8260B)				
					Benzene	Toluene	Ethyl benzene	Xylenes	MTBE
T1N-16'	5/7/13	UST T1 - 25,000 Gal Jet Fuel, North End - 16' Depth	--	<1	<0.001	<0.001	<0.001	<0.001	<0.002
T1S-16'	5/7/13	UST T1 - 25,000 Gal Jet Fuel, South End - 16' Depth	--	<1	<0.001	<0.001	<0.001	<0.001	<0.002
T2N-16'	5/7/13	UST T2 - 25,000 Gal Jet Fuel, North End - 16' Depth	--	<1	<0.001	<0.001	<0.001	<0.001	<0.002
T2S-16'	5/7/13	UST T2 - 25,000 Gal Jet Fuel, South End - 16' Depth	--	<1	<0.001	<0.001	<0.001	<0.001	<0.002
T3N-14'	5/7/13	UST T3 - 15,000 Gal Jet Fuel, North End - 14' Depth	--	<1	<0.001	<0.001	<0.001	<0.001	<0.002
T3S-14'	5/7/13	UST T3 - 15,000 Gal Jet Fuel, South End - 14' Depth	--	<1	<0.001	<0.001	<0.001	<0.001	<0.002
T4N-14'	5/7/13	UST T4 - 10,000 Gal Av-Gas, North End - 14' Depth	<0.1	--	<0.001	<0.001	<0.001	<0.001	<0.002
T4S-14'	5/7/13	UST T4 - 10,000 Gal Av-Gas, South End - 14' Depth	<0.1	--	<0.001	<0.001	<0.001	<0.001	<0.002
T5C-12'	5/7/13	UST T5 - 6,000 Gal Gasoline, Center - 12' Depth	<0.1	--	<0.001	<0.001	<0.001	<0.001	<0.002
T6C-10'	5/7/13	UST T6 - 2,000 Gal "Slop Tank", Center - 10' Depth	<0.1	<1	<0.001	<0.001	<0.001	<0.001	<0.002
T7C-9'	5/7/13	UST T7 - 550 Gal Waste Water, Center - 9' Depth	**110**	**4400**	<0.001	**0.77**	**0.065**	**1.56**	<0.002
T7C-14'	5/7/13	UST T7 - 550 Gal Waste Water, Center - 14' Depth	**70**	**2900**	<0.001	**0.050**	**0.070**	**0.28**	<0.002
D-4'	5/7/13	Former Dispenser - 4' Depth	**110**	**4800**	<0.001	**0.13**	**0.040**	**0.63**	<0.002
SP1	5/7/13	"Clean" Spoils Pile	<0.1	<1	<0.001	<0.001	<0.001	<0.001	<0.002
SP2	5/7/13	"Clean" Spoils Pile	<0.1	<1	<0.001	<0.001	<0.001	<0.001	<0.002
EX-D-10.5'	5/22/13	Excavated Dispenser Area - 10.5'	<0.1	<1	<0.001	<0.001	<0.001	<0.001	<0.002
EX-T7-21'	5/22/13	Excavated UST T7 Area - 21'	<0.1	<1	<0.001	<0.001	<0.001	<0.001	<0.002

FIGURES



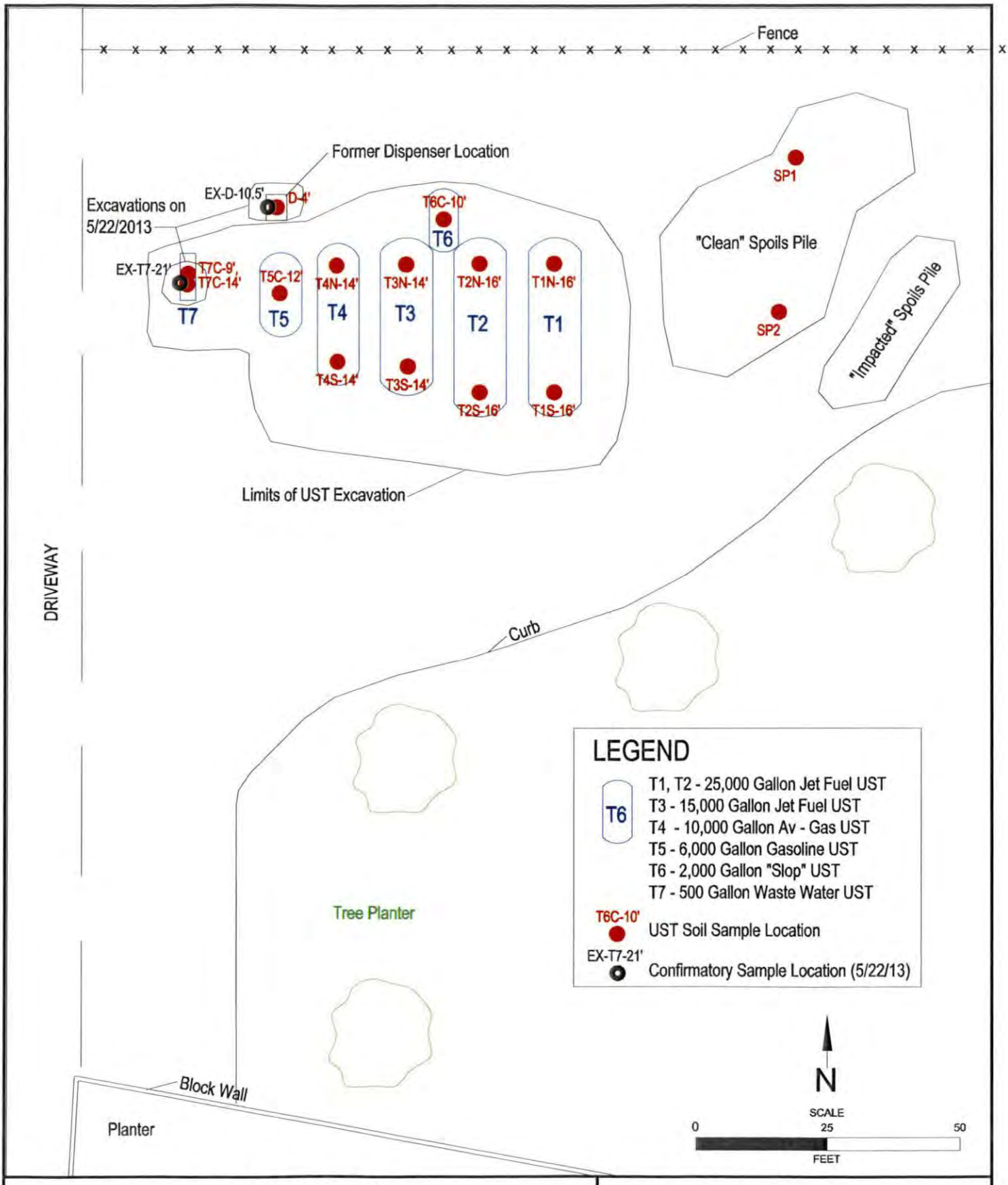
GUASTI QUADRANGLE, CALIFORNIA
7.5 MINUTE SERIES (U.S. GEOLOGICAL SURVEY)

LOCATION MAP

ATLANTIC AVIATION - ONT
2161 Avion Street
ONTARIO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
www.advgeoenv.com

PROJECT NO. 13-2542	FILE: LM	FIGURE: 1
DATE: JUNE 2013	DRAWN BY: MAC	



SITE PLAN

ATLANTIC AVIATION - ONT
2610 E. AVION STREET
ONTARIO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
www.advgeoenv.com

PROJECT NO. 13-2542	FILE: SP	FIGURE: 2
DATE: JUNE 2013	DRAWN BY: MAC	

RINSEATE MANIFESTS

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAL000282458	1	760 295-6808	010396378 JJK

GENERATOR

5. Generator's Name and Mailing Address

MERCURY AIR CENTER DBA ATLANTIC AVIATION
145 SOUTH GENE AUTRY TRAIL
PALM SPRINGS, CA 92262

Generator's Phone: 760 285-6608 Attn: KARIN DAVIDSON

Generator's Site Address (if different than mailing address)

ATLANTIC AVIATION
2161 E. AVION AVENUE
ONTARIO, CA 91761

6. Transporter 1 Company Name — U.S. EPA ID Number

ADAMS SERVICES, INC. — CAR000189431

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

DEMENNO/KERDOON
2000 E. ALAMEDA STREET
COMPTON, CA 90222

CAT080013352

Facility's Phone: 310 537-7100

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WASTE LIQUID (WATER WITH TRACE HYDROCARBONS)	1	TT	2100	G	241
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

1) WATER WITH HYDROCARBONS

AVOID EYE CONTACT & WEAR RUBBER GLOVES ERG 129
CONTRACTOR: MJB CONSTRUCTION, INC.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: K. Michael Kissick — Signature — Month 04 Day 29 Year 13

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CHAD CHRISTIE — Signature — Month 04 Day 29 Year 13

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

00001

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAL000282456	1	760 286-6808	010396379 JJK

GENERATOR

5. Generator's Name and Mailing Address
MERCURY AIR CENTER DBA ATLANTIC AVIATION
195 SOUTH GENE AUTRY TRAIL
PALM SPRINGS, CA 92262
Generator's Phone: 760 285-6808 Attn:KAREN DAVIDSON

Generator's Site Address (if different than mailing address)
ATLANTIC AVIATION
2161 E. AVION AVENUE
ONTARIO, CA 91761

6. Transporter 1 Company Name: ADAMS SERVICES, INC. — U.S. EPA ID Number: CAR000159431

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
DEMENNO/KERDOON
2000 E. ALAMEDA STREET
COMPTON, CA 90222
Facility's Phone: 310 537-7100
U.S. EPA ID Number: CAT080013352

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WASTE LIQUID (WATER WITH TRACE HYDROCARBONS)	1	TT	750	G	241
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
AVOID EYE CONTACT & WEAR RUBBER GLOVES — ERG 128 — WATER WITH HYDROCARBONS
CONTRACTOR: MJR CONSTRUCTION, INC.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Michael Kissick — Signature: [signature] — Month: 5 — Day: 6 — Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAY SCHMITT — Signature: [signature] — Month: — Day: — Year:

Transporter 2 Printed/Typed Name — Signature — Month: 5 — Day: 2 — Year: 13

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: MARIO DOMINGUEZ — Signature: [signature] — Month: 05 — Day: 07 — Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

00002

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CAL 000282458	1	760 785-6808	004291309 JJK

GENERATOR

5. Generator's Name and Mailing Address
Mercury Air Center DBA Atlantic Aviation
145 South Gene Autry Trail Palm Springs, CA 92262
Generator's Phone: 760 785 6808

Generator's Site Address (if different than mailing address)
Atlantic Aviation
2141 E Avenue Oneida CA 92261
Attn Karen Lawson

6. Transporter 1 Company Name
Adams Services Inc.

U.S. EPA ID Number
CAL 000184431

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Demenno / Kerdoon
7000 N Alameda St Compton CA 90222
Facility's Phone: 310 537 7100

U.S. EPA ID Number
CAT 080 013 352

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN 1993, Waste Flammable liquid, N.O.S., (Gasoline + Diesel), 3, PGII	1	TT	700	G	D001	D018	
						134		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Henry Gamez for Adams Services Inc. on behalf of Mercury Air Center
Signature:
Month: 5 Day: 7 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Henry Gamez
Signature:
Month: 5 Day: 7 Year: 13

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month: 5 Day: 13 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

UST MANIFESTS AND DESTRUCTION CERTIFICATES

90558 83

NON-HAZARDOUS WASTE DATA FORM

88403

TO BE COMPLETED BY GENERATOR

NAME MERCURY AIR CENTER DBA ATLANTIC AVIATION Attn: KARIN DAVIDSON

ADDRESS 145 SOUTH GENE AUTRY TRAIL

CITY, STATE, ZIP PALM SPRINGS, CA 92262 PHONE NO. (760) 285-6808

CONTAINERS: No. 1 VOLUME _____ WEIGHT 3 Tons

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION EMPTY UNDERGROUND STORAGE TANK GENERATING PROCESS REMOVAL OF CLEANED UST

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. FIBERGLASS		100	5.		
2.			6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: AVOID EYE CONTACT & WEAR RUBBER GLOVES ERG 128

CONTRACTOR: MJK CONSTRUCTION, INC.

Facility:
ATLANTIC AVIATION
2161 E. AVION AVENUE
ONTARIO, CA 91761

TYPED OR PRINTED FULL NAME & SIGNATURE _____ DATE 5-3-13

TRANSPORTER

NAME DALTON TRUCKING, INC.

ADDRESS 13360 WHITTRAM AVE. SERVICE ORDER NO. _____

CITY, STATE, ZIP FONTANA CA 92335 PICK UP DATE _____

PHONE NO. (909) 823-0663

TRUCK, UNIT, I.D. NO. _____ TYPED OR PRINTED FULL NAME & SIGNATURE _____ DATE 5-3-13

TSD FACILITY

NAME AZUSA LAND RECLAMATION/WM Profile Id: _____

ADDRESS 1211 W. GLADSTONE STREET DISPOSAL METHOD ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP AZUSA CA 91702

PHONE NO. (626) 969-1384

TYPED OR PRINTED FULL NAME & SIGNATURE _____ DATE 5-3-13

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/Q		RT/CD	HWDF NONE	DISCREPANCY

Manifest No: 88403

TRANSPORTER'S COPY

88404

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: MERCURY AIR CENTER DBA ATLANTIC AVIATION Attn: KARIN DAVIDSON

ADDRESS: 946 SOUTH GENE AUTRY TRAIL

CITY, STATE, ZIP: PALM SPRINGS, CA 92262 PHONE NO. (760) 285-6808

CONTAINERS: No. 1 VOLUME _____ WEIGHT 3 Tons

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION: EMPTY UNDERGROUND STORAGE TANK GENERATING PROCESS: REMOVAL OF CLEANED UST

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. FIBERGLASS		100	5.		
2.			6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: AVOID EYE CONTACT & WEAR RUBBER GLOVES ERG 135

CONTRACTOR: MJK CONSTRUCTION, INC

Facility:
ATLANTIC AVIATION
2161 E. AVION AVENUE
ONTARIO, CA 91761

Michael Kissick Michael Kissick 3-7-13
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: DALTON TRUCKING, INC.

ADDRESS: 13360 WHITTRAM AVE. SERVICE ORDER NO. _____

CITY, STATE, ZIP: FONTANA CA 92335 PICK UP DATE _____

PHONE NO. (909) 823-0563

TRUCK, UNIT, I.D. NO. M. GILMORE TYPED OR PRINTED FULL NAME & SIGNATURE DATE 3/13

TSD FACILITY

NAME: AZUSA LAND RECLAMATION/WM Profile Id:

ADDRESS: 1211 W. GLADSTONE STREET DISPOSAL METHOD ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP: AZUSA CA 91702

PHONE NO. (626) 969-1384

Antoinette Gardner 04-07-13
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/Q		RT/CD	HWDF NONE	DISCREPANCY

Manifest No: 88404

RECEIVING SITE SENDS TO GENERATOR

88405

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME MERCURY AIR CENTER DBA ATLANTIC AVIATION Attn: KARIN DAVIDSON

ADDRESS 146 SOUTH GENE AUTRY TRAIL

CITY, STATE, ZIP PALM SPRINGS, CA 92262 PHONE NO. ~~(760) 285-6808~~

CONTAINERS: No. 1 VOLUME _____ WEIGHT 2 ~~Tons~~

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION ~~EMPTY UNDERGROUND STORAGE TANK~~ GENERATING PROCESS ~~REMOVAL OF CLEANED UST~~

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. ~~FIBERGLASS~~		100	5.		
2.			6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: AVOID EYE CONTACT & WEAR RUBBER GLOVES ERG 128

CONTRACTOR: MJK CONSTRUCTION, INC.

Facility:
ATLANTIC AVIATION
2161 E. AVION AVENUE
ONTARIO, CA 91761

Michael Kissick 05-07-13
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME ~~ADAMS SERVICES, INC~~ DALTON TRUCKING, INC.

ADDRESS ~~906 E. ALONDRA BLVD.~~ 13560 WHITPAIN AVE FONTANA, CA SERVICE ORDER NO. _____

CITY, STATE, ZIP ~~GARDENA GA 90248-2902~~ FONTANA, CA. 92335 PICK UP DATE _____

PHONE NO. ~~(310) 523-4430~~ (909) 427-0662

TRUCK, UNIT, I.D. NO. _____ TYPED OR PRINTED FULL NAME & SIGNATURE 05-07-13 DATE

TSD FACILITY

NAME AZUSA LAND RECLAMATION/WM Profile Id: _____

ADDRESS 1211 W. GLADSTONE STREET DISPOSAL METHOD ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP AZUSA CA 91702

PHONE NO. (626) 969-1384 Claudia Felix 5/7/13
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/Q		RT/CD	HWDF NONE	DISCREPANCY

Manifest No: 88405

TRANSPORTER'S COPY

88406

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME MERCURY AIR CENTER DBA ATLANTIC AVIATION Attn: KARIN DAVIDSON

ADDRESS 145 SOUTH GENE AUTRY TRAIL

CITY, STATE, ZIP PALM SPRINGS, CA 92262 PHONE NO. (760) 285-5806

CONTAINERS: No. 1 VOLUME _____ WEIGHT 2 Tons

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION EMPTY UNDERGROUND STORAGE TANK GENERATING PROCESS REMOVAL OF CLEANED UST

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. FIBERGLASS		100	5.		
2.			6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

AVOID EYE CONTACT & WEAR RUBBER GLOVES ERG 128

CONTRACTOR: MJK CONSTRUCTION, INC.

Facility:
ATLANTIC AVIATION
2161 E. AVION AVENUE
ONTARIO, CA 91761

Mike Kirk Mike Kirk 5-7-13

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME ADAMS SERVICES, INC.

ADDRESS 406 E. ALONDRA BLVD. SERVICE ORDER NO. _____

CITY, STATE, ZIP GARDENA CA 90248-2902 PICK UP DATE _____

PHONE NO. (310) 523-4430

TRUCK, UNIT, I.D. NO.

CHAD CHRISTIE 5-7-13

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME AZUSA LAND RECLAMATION/WM Profile Id:

ADDRESS 1211 W. GLADSTONE STREET DISPOSAL METHOD ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP AZUSA CA 91702

PHONE NO. (626) 969-1384

Claudia Felix 5/7/13

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

Manifest No: 88406

TRANSPORTER'S COPY

88407

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME MERCURY AIR CENTER DBA ATLANTIC AVIATION Attn: KARIN DAVIDSON

ADDRESS 145 SOUTH GENE AUTRY TRAIL

CITY, STATE, ZIP PALM SPRINGS, CA 92262 PHONE NO. (760) 285-6808

CONTAINERS: No. 1 VOLUME _____ WEIGHT 15 TONS

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION EMPTY UNDERGROUND STORAGE TANK GENERATING PROCESS REMOVAL OF CLEANED UST

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. FIBERGLASS		100	5.		
2.			6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: AVOID EYE CONTACT & WEAR RUBBER GLOVES ERG 126

CONTRACTOR: MJK CONSTRUCTION, INC.

Facility:
ATLANTIC AVIATION
2161 E. AVION AVENUE
ONTARIO, CA 91761

TYPED OR PRINTED FULL NAME & SIGNATURE _____ DATE 5-7-13

TRANSPORTER

NAME ADAMS SERVICES, INC.

ADDRESS 406 E. ALONDRA BLVD. SERVICE ORDER NO. _____

CITY, STATE, ZIP GARDENA CA 90248-2902 PICK UP DATE _____

PHONE NO. (310) 523-4430

TRUCK, UNIT, I.D. NO. _____ TYPED OR PRINTED FULL NAME & SIGNATURE _____ DATE 5-7-13

TSD FACILITY

NAME AZUSA LAND RECLAMATION/WM Profile Id: _____

ADDRESS 1211 W. GLADSTONE STREET DISPOSAL METHOD ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP AZUSA CA 91702

PHONE NO. (626) 969-1384

TYPED OR PRINTED FULL NAME & SIGNATURE _____ DATE 5/7/13

GEN	OLD/NEW	- L A	TONS	
TRANS		S B		
C/Q		RT/CD	HWDF NONE	DISCREPANCY

Manifest No: 88408

TRANSPORTER'S COPY

88408

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME MERCURY AIR CENTER DBA ATLANTIC AVIATION Attn: KARIN DAVIDSON

ADDRESS 145 SOUTH GENE AUTRY TRAIL

CITY, STATE, ZIP PALM SPRINGS, CA 92262 PHONE NO. (760) 285-5809

CONTAINERS: No. 1 VOLUME _____ WEIGHT 1 Tons

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION EMPTY UNDERGROUND STORAGE TANK GENERATING PROCESS REMOVAL OF CLEANED UST

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. FIBERGLASS		100	5.		
2.			6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: AVOID EYE CONTACT & WEAR RUBBER GLOVES. ERG 128
CONTRACTOR: MJK CONSTRUCTION, INC.

Facility:
ATLANTIC AVIATION
2161 E. AVION AVENUE
ONTARIO, CA 91761

TYPED OR PRINTED FULL NAME & SIGNATURE _____ DATE 5-7-13

TRANSPORTER

NAME ADAMS SERVICES, INC.

ADDRESS 406 E. ALONDRA BLVD. SERVICE ORDER NO. _____

CITY, STATE, ZIP GARDENA CA 90248-2902 PICK UP DATE _____

PHONE NO. (310) 523-4430

TRUCK, UNIT, I.D. NO. _____

TYPED OR PRINTED FULL NAME & SIGNATURE CHAD CHRISTIE _____ DATE 5-7-13

TSD FACILITY

NAME AZUSA LAND RECLAMATION/WM Profile Id: _____

ADDRESS 1211 W. GLADSTONE STREET DISPOSAL METHOD ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP AZUSA CA 91702

PHONE NO. (626) 969-1384

TYPED OR PRINTED FULL NAME & SIGNATURE _____ DATE 5/7/13

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/Q		RT/CD	HWDF NONE	DISCREPANCY

Manifest No: 88407

TRANSPORTER'S COPY

88409

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME MERCURY AIR CENTER DBA ATLANTIC AVIATION Attn: KARIN DAVIDSON

ADDRESS 145 SOUTH GENE AUTRY TRAIL

CITY, STATE, ZIP PALM SPRINGS, CA 92262 PHONE NO. (760) 325-5808

CONTAINERS: No. 1 VOLUME _____ WEIGHT 1 Tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION EMPTY UNDERGROUND STORAGE TANK GENERATING PROCESS TANK REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. STEEL		100	5.		
2.			6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

AVOID EYE CONTACT & WEAR RUBBER GLOVES ERG 128

CONTRACTOR: MJK CONSTRUCTION, INC

Facility:
ATLANTIC AVIATION
2161 E. AVION AVENUE
ONTARIO, CA 91761

TYPED OR PRINTED FULL NAME & SIGNATURE _____ DATE 5-7-13

TRANSPORTER

NAME ADAMS SERVICES, INC.

ADDRESS 406 E. ALONDRA BLVD. SERVICE ORDER NO. _____

CITY, STATE, ZIP GARDENA CA 90248-2902 PICK UP DATE _____

PHONE NO. (310) 523-4430

TRUCK, UNIT, I.D. NO. _____

TYPED OR PRINTED FULL NAME & SIGNATURE RAY Schott _____ DATE 5-7-13

TSD FACILITY

NAME AMERICAN METAL RECYCLING Profile Id: _____

ADDRESS 11150 REDWOOD AVE. DISPOSAL METHOD ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP FONTANA CA 92337

PHONE NO. (909) 988-8000

TYPED OR PRINTED FULL NAME & SIGNATURE Louise Doyle _____ DATE 5/8/13

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

Manifest No: 88409

TRANSPORTER'S COPY

AZUSA LAND RECLAMATION

1211 W. Gladstone St, Azusa, CA 91702
Phone: 626-2249127 FAX: 626-8120801

Certificate of Material Destruction

THIS RECORD IS TO CERTIFY THAT MATERIAL RECEIVED ON MAY 7 2013 AT 1:23 PM., HAS BEENDISPOSED OF ACCORDING TO LANDFILL BEST MANAGEMENT PRACTICES AND ALL ALL CIWMB AND LARWQCB REGULATIONS.

Generator ATLANTIC AVIATION
Address: 2161 E Avion Ave
Ontario, Ca 91761

Transporter:
Adams Service
Manifest Number:
88403,88404,88405,
88406, 88407 & 88408

Disposal Site:Azusa Land Reclamation
1211 W. Gladstone St.
Azusa CA, 91702

Claudia Felix

Signature

Azusa Land Reclamation

AMERICAN METAL RECYCLING

11150 REDWOOD AVE. • FONTANA, CA 92337
(909) 988-8000

Nº 65416

TANK DISPOSAL FORM

Date: 5/8/13
Job#
P.O.#

CONTRACTOR: Adams Services Inc
ADDRESS: 402. E. Alondra Blvd. Gardena, CA 90248
JOB SITE: Atlantic Aviation
ADDRESS: 2161 E. Avion Ave. Ontario, CA 91761
DESTINATION: A.M.R. 11150 REDWOOD AVE., FONTANA, CA 92337

DATE	TIME	PROJECTED TANKS	ORDERED BY:	LIC. NO.

SPECIAL INSTRUCTIONS: _____

TIME IN:
TIME OUT:

(1) 550 gallon

✔	Services Rendered	Cost
____	Disposal Fee	
____	Extensive Loading Time	
____	Disposal Fee with Permit	
____	Fiberglass Tank Disposal Fee Per Tank	
____	Fiberglass Delivered	
____	Bobtail Disposal	
____	Cancellation Fee	

TOTAL CHARGES $

All fees incurred are per load unless specified. Terms are net 30 days from date of invoice. Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

_____
CONTRACTOR'S SIGNATURE

TANKS RECEIVED

QTY	GALLONS	TYPE F* S*	NET TONS	TOTAL
	280	☐ ☐	.14	
	500	☐ ☐	.21	
	550	☐ ☐	.24	
	1000 - 12 ft.	☐ ☐	.41	
	1000 - 6 ft.	☐ ☐	.61	
	1500	☐ ☐	.87	
	2000	☐ ☐	.97	
	2500	☐ ☐	1.14	
	3000	☐ ☐	1.32	
	4000	☐ ☐	1.61	
	5000	☐ ☐	2.42	
	6000	☐ ☐	2.84	
	7500	☐ ☐	3.26	
	8000	☐ ☐	3.44	
	9000	☐ ☐	3.82	
	10000	☐ ☐	4.33	
	12000	☐ ☐	4.93	

NO. OF TANKS 1 TOTAL _____ NET TONS

*F - FIBERGLASS *S - STEEL 105

CERTIFICATE OF TANK DISPOSAL / DESTRUCTION

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PUROSES ONLY.

_____ 5/8/13
AUTHORIZED REP. DATE

ANALYTICAL RESULTS

UST REMOVAL
ADDITIONAL EXCAVATION

CAL TECH Environmental Laboratories

6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

ANALYTICAL RESULTS*

CTEL Project No: CT178-1305043
Client Name: Advanced Geo Environmental, Inc.
381 Thor Place
Brea, CA 92821
Phone:(714) 529-0200
Fax: (714) 529-0203
Attention: Mr. Robert Loeffler

Project ID: Global ID:
Project Name: Atlantic Aviation – ONT

Date Sampled: 05/07/13 @ 08:10 am
Date Received: 05/07/13 @ 14:00 p.m.
Date Analyzed 05/07/13 – 05/09/13
Matrix: Soil

Laboratory ID:	1305-043-1	1305-043-2	1305-043-3	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	SP1	SP2	T1N-16'			
Dilution	1	1	1			
TPH - Gasoline	ND	ND		EPA 8015M	mg/Kg	0.1
TPH – Diesel	ND	ND	ND	EPA 8015M	mg/Kg	1
VOC, 8260B						
Dilution	1	1	1			
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	SW846 8260B	mg/Kg	0.002
Benzene	ND	ND	ND	SW846 8260B	mg/Kg	0.001
Toluene	ND	ND	ND	SW846 8260B	mg/Kg	0.001
Ethylbenzene	ND	ND	ND	SW846 8260B	mg/Kg	0.001
m,p-Xylene	ND	ND	ND	SW846 8260B	mg/Kg	0.001
o-Xylene	ND	ND	ND	SW846 8260B	mg/Kg	0.001

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	108	107	109	70-130
1,2 Dichloroethaned4	103	107	106	70-130
Toluene-d8	93	94	98	70-130
Bromofluorobenzene	107	106	101	70-130

CTEL Project No:	CT178-1305043
Client Name:	Advanced Geo Environmental, Inc.
	381 Thor Place
	Brea, CA 92821
Attention:	Mr. Robert Loeffler

Phone:(714) 529-0200
Fax: (714) 529-0203

Project ID:	Global ID:
Project Name:	Atlantic Aviation – ONT

Date Sampled:	05/07/13 @ 10:56 am
Date Received:	05/07/13 @ 14:00 p.m.
Date Analyzed	05/07/13 – 05/09/13

Matrix: Soil

Laboratory ID: / **Client Sample ID:** / **Dilution**	1305-043-4 T2N-16' 1	1305-043-5 T3N-14' 1	1305-043-6 T6C-10' 1	**Method**	**Units:**	**Detection Limit**
TPH - Gasoline			ND	EPA 8015M	mg/Kg	0.1
TPH – Diesel	ND	ND	ND	EPA 8015M	mg/Kg	1
VOC, 8260B						
Dilution	1	1	1			
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	SW846 8260B	mg/Kg	0.002
Benzene	ND	ND	ND	SW846 8260B	mg/Kg	0.001
Toluene	ND	ND	ND	SW846 8260B	mg/Kg	0.001
Ethylbenzene	ND	ND	ND	SW846 8260B	mg/Kg	0.001
m,p-Xylene	ND	ND	ND	SW846 8260B	mg/Kg	0.001
o-Xylene	ND	ND	ND	SW846 8260B	mg/Kg	0.001

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	106	105	105	70-130
1,2 Dichloroethaned4	104	106	104	70-130
Toluene-d8	95	96	95	70-130
Bromofluorobenzene	106	107	105	70-130

CTEL Project No:	CT178-1305043
Client Name:	Advanced Geo Environmental, Inc.
	381 Thor Place
	Brea, CA 92821
Attention:	Mr. Robert Loeffler

Phone:(714) 529-0200
Fax: (714) 529-0203

Project ID:	Global ID:
Project Name:	Atlantic Aviation – ONT
Date Sampled:	05/07/13 @ 11:12 am
Date Received:	05/07/13 @ 14:00 p.m.
Date Analyzed	05/07/13 – 05/09/13

Matrix: Soil

Laboratory ID: / **Client Sample ID:** / **Dilution**	1305-043-7 T5C-12' 1	1305-043-8 T7C-9' 1-100	1305-043-9 T1S-16' 1	**Method**	**Units:**	**Detection Limit**
TPH - Gasoline	ND	110		EPA 8015M	mg/Kg	0.1
TPH – Diesel		4400	ND	EPA 8015M	mg/Kg	1
VOC, 8260B						
Dilution	1	1-100	1			
Methyl-tert-butyl-ether(MtBE)	ND	ND<0.002	ND	SW846 8260B	mg/Kg	0.002
Benzene	ND	ND<0.001	ND	SW846 8260B	mg/Kg	0.001
Toluene	ND	0.77	ND	SW846 8260B	mg/Kg	0.001
Ethylbenzene	ND	0.065	ND	SW846 8260B	mg/Kg	0.001
m,p-Xylene	ND	0.36	ND	SW846 8260B	mg/Kg	0.001
o-Xylene	ND	1.2	ND	SW846 8260B	mg/Kg	0.001

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	100	101	106	70-130
1,2 Dichloroethaned4	103	99	107	70-130
Toluene-d8	94	92	92	70-130
Bromofluorobenzene	102	106	104	70-130

CTEL Project No:	CT178-1305043
Client Name:	Advanced Geo Environmental, Inc.
	381 Thor Place
	Brea, CA 92821
Attention:	Mr. Robert Loeffler

Phone:(714) 529-0200
Fax: (714) 529-0203

Project ID:	Global ID:
Project Name:	Atlantic Aviation – ONT
Date Sampled:	05/07/13 @ 11:53 am
Date Received:	05/07/13 @ 14:00 p.m.
Date Analyzed	05/07/13 – 05/09/13

Matrix: Soil

Laboratory ID: / **Client Sample ID:**	1305-043-10 T2S-16'	1305-043-11 T4S-14'	1305-043-12 T4N-14'	**Method**	**Units:**	**Detection Limit**
Dilution	1	1	1			
TPH - Gasoline		ND	ND	EPA 8015M	mg/Kg	0.1
TPH – Diesel	ND			EPA 8015M	mg/Kg	1
VOC, 8260B						
Dilution	1	1	1			
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	SW846 8260B	mg/Kg	0.002
Benzene	ND	ND	ND	SW846 8260B	mg/Kg	0.001
Toluene	ND	ND	ND	SW846 8260B	mg/Kg	0.001
Ethylbenzene	ND	ND	ND	SW846 8260B	mg/Kg	0.001
m,p-Xylene	ND	ND	ND	SW846 8260B	mg/Kg	0.001
o-Xylene	ND	ND	ND	SW846 8260B	mg/Kg	0.001

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	109	104	106	70-130
1,2 Dichloroethaned4	106	107	109	70-130
Toluene-d8	97	93	94	70-130
Bromofluorobenzene	106	108	106	70-130

CTEL Project No:	CT178-1305043
Client Name:	Advanced Geo Environmental, Inc.
	381 Thor Place
	Brea, CA 92821
Attention:	Mr. Robert Loeffler

Phone:(714) 529-0200
Fax: (714) 529-0203

Project ID:	Global ID:
Project Name:	Atlantic Aviation – ONT
Date Sampled:	05/07/13 @ 12:01 p.m.
Date Received:	05/07/13 @ 14:00 p.m.
Date Analyzed	05/07/13 – 05/09/13

Matrix: Soil

Laboratory ID:	1305-043-13	1305-043-14	1305-043-15	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	T3S-14'	T7C-14'	D-4'			
Dilution	1	1	1			
TPH - Gasoline		70	110	EPA 8015M	mg/Kg	0.1
TPH – Diesel	ND	2900	4800	EPA 8015M	mg/Kg	1
VOC, 8260B						
Dilution	1	1	1-100			
Methyl-tert-butyl-ether(MtBE)	ND	ND<0.002	ND<0.002	SW846 8260B	mg/Kg	0.002
Benzene	ND	ND<0.001	ND<0.001	SW846 8260B	mg/Kg	0.001
Toluene	ND	0.050	0.13	SW846 8260B	mg/Kg	0.001
Ethylbenzene	ND	0.070	0.040	SW846 8260B	mg/Kg	0.001
m,p-Xylene	ND	0.14	0.24	SW846 8260B	mg/Kg	0.001
o-Xylene	ND	0.14	0.39	SW846 8260B	mg/Kg	0.001

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	105	104	105	70-130
1,2 Dichloroethaned4	103	104	109	70-130
Toluene-d8	90	99	98	70-130
Bromofluorobenzene	100	94	99	70-130

Greg Tejirian
Laboratory Director

*The results are base upon the sample received.

Cal Tech Environmental Laboratories, Inc. ELAP ID #: 2424

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone (562) 272-2700 Fax: (562) 272-2789

QA/QC Report

Method: 8015M

Matrix: Soil

Date Analyzed: 5/7/2013

Date Extracted: 5/7/2013

Perimeters	Conc. ug/Kg		Spike Added	Recovery %		Control Limits		RPD
	MS	MSD		MS	MSD	Rec.	RPD	
TPH - Gasoline	971	980	1000	97	98	70-130	20	1
TPH - Diesel	1006	1029	1000	101	103	70-130	20	2

Perimeters	Method Blank	Units	Det. Limit
TPH - Gasoline	ND	ug/Kg	100
TPH - Diesel	ND	ug/Kg	1000

MS: Matrix Spike
MSD: Matrix Spike Duplicate

RPD: Relative Percent Difference of MS and MSD

CAL TECH Environmental Laboratories

6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax (562) 272-2789

QA/QC Report

Method: 8260B

Matrix: Soil

Date Analyzed: 5/7/2013

Date Extracted: 5/7/2013

Perimeters	Conc. ug/Kg		Spike Added	Recovery %		Control Limits		RPD
	MS	MSD		MS	MSD	Rec.	RPD	
1,1-Dichloroethene	46	45	50	92	90	70-130	20	2
Benzene	47	45	50	94	90	70-130	20	4
Trichloroethene	47	48	50	94	96	70-130	20	2
Toluene	50	51	50	100	102	70-130	20	2
Chlorobenzene	47	48	50	94	96	70-130	20	2
m,p-Xylenes	96	99	100	96	99	70-130	20	3

MS: Matrix Spike
MSD: Matrix Spike Duplicate

RPD: Relative Percent Difference of MS and MSD

Perimeters	Method Blank	Units	Det. Limit
1,1-Dichloroethene	ND	ug/Kg	5
Benzene	ND	ug/Kg	5
Trichloroethene	ND	ug/Kg	5
Toluene	ND	ug/Kg	5
Chlorobenzene	ND	ug/Kg	5
m,p-Xylenes	ND	ug/Kg	5
MTBE	ND	ug/Kg	5
TBA	ND	ug/Kg	100
DIPE	ND	ug/Kg	10
ETBE	ND	ug/Kg	10
TAME	ND	ug/Kg	10
1,2-Dichloroethane	ND	ug/Kg	5
EDB	ND	ug/Kg	5
Ethylbenzene	ND	ug/Kg	5
o-Xylene	ND	ug/Kg	5

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

☐ 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
☒ 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
☐ 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

05_043

CHAIN OF CUSTODY RECORD

Date: 5/7/13 Page 1 of 2

Project Name	Project Manager
ATLANTIC AVIATION - ONT	ROB LOGAFLOR
Client	**Sampler (initials & signature)**
Invoice to: ☒ AGE ☐ Client	**Lab Project No.:**

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: TPH-g (8015m)	TPH-d (8015m)	BTEX/MTBE (8260B)						
SP1	5/7/13	8:10	S	1		X	X	X						
SP2		8:14	S	1		X	X	X						
T1N-16'		10:55	S	1			X	X						
T2N-16'		10:56	S	1			X	X						
T3N-14'		11:00	S	1			X	X						
T6C-10'		11:04	S	1		X	X	X						
T5C-12'		11:12	S	1		X		X						
T7C-9'		11:14	S	1		X	X	X						
T1S-16'		11:50	S	1			X	X						
T2S-16'	↓	11:53	S	1			X	X						

Relinquished by:	Date: 5/7/13	Time: 2:05	Laboratory:	
Courier:			Received by:	Date: / Time:
Relinquished by:	Date:	Time:	Received by:	Date: / Time:
Relinquished by:	Date:	Time:	Received by: CRECT	Date: 5/7/13 Time: 2:00

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☐ geotracker@advgeoenv.com ☐ _____ Global ID:

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

☐ 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
☒ 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
☐ 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

05_043

CHAIN OF CUSTODY RECORD

Date: 5/7/13 Page 2 of 2

Project Name	Project Manager
ATLANTIC AVIATION - ONT	ROB LOEFFLER
Client	**Sampler (initials & signature)**
Invoice to: ☒ AGE ☐ Client	**Lab Project No.:**

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: TPH-g (8015A)	TPH-d (8015A)	BTEX/MTBE (8260B)
T45-14'	5/7/13	11:54	S	1		X		X
T4N-14'	"	11:59	S	1		X		X
T3S-14'	"	12:01	S	1			X	X
T7C-14'	"	12:26	S	1		X	X	X
D-4'	"	12:51	S	1		X	X	X

Relinquished by:	Date: 5/7/13	Time: 2:05	Laboratory:		
Courier:			Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by: GREGT	Date: 5/7/13	Time: 2:00

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☐ geotracker@advgeoenv.com ☐ _____

Global ID:

CAL TECH Environmental Laboratories
9484 Reseda Blvd., Northridge, CA 91324
Telephone: (818) 772-2788 Fax: (818) 772-2789

ANALYTICAL RESULTS*

CTEL Project No: CT178-1305137
Client Name: Advanced Geo Environmental, Inc.
381 Thor Place
Brea, CA 92821
Phone:(714) 529-0200
Fax: (714) 529-0203
Attention: Mr. Robert Loeffler

Project ID: Global ID:
Project Name: Atlantic Aviation – ONT

Date Sampled: 05/22/13 @ 10:22 am
Date Received: 05/22/13 @ 13:00 p.m.
Date Analyzed 05/22/13
Matrix: Soil

Laboratory ID:	1305-137-1	1305-137-2	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	EX-D-10.5'	EX-T7-21'			
Dilution	1	1			
TPH - Gasoline	ND	ND	EPA 8015M	mg/Kg	0.1
TPH – Diesel	ND	ND	EPA 8015M	mg/Kg	1
VOC, 8260B					
Dilution	1	1			
Methyl-tert-butyl-ether(MtBE)	ND	ND	SW846 8260B	mg/Kg	0.002
Benzene	ND	ND	SW846 8260B	mg/Kg	0.001
Toluene	ND	ND	SW846 8260B	mg/Kg	0.001
Ethylbenzene	ND	ND	SW846 8260B	mg/Kg	0.001
m,p-Xylene	ND	ND	SW846 8260B	mg/Kg	0.001
o-Xylene	ND	ND	SW846 8260B	mg/Kg	0.001

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY		Control Limit
Dibromofluoromethane	96	102	70-130
1,2 Dichloroethaned4	94	99	70-130
Toluene-d8	95	99	70-130
Bromofluorobenzene	90	96	70-130

Greg Tejirian
Laboratory Director

*The results are base upon the sample received.

Cal Tech Environmental Laboratories, Inc. ELAP ID #: 2424

TOTALLY DEDICATED TO CUSTOMER SATISFACTION

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

QA/QC Report

Method: 8015M

Matrix: Soil

Date Analyzed: 5/22/2013

Date Extracted: 5/22/2013

Perimeters	Conc. ug/Kg		Spike Added	Recovery %		Control Limits		RPD
	MS	MSD		MS	MSD	Rec.	RPD	
TPH - Gasoline	970	990	1000	97	99	70-130	20	2
TPH - Diesel	1020	1054	1000	102	105	70-130	20	3

Perimeters	Method Blank	Units	Det. Limit
TPH - Gasoline	ND	ug/Kg	100
TPH - Diesel	ND	ug/Kg	1000

MS: Matrix Spike
MSD: Matrix Spike Duplicate

RPD: Relative Percent Difference of MS and MSD

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax. (562) 272-2789

QA/QC Report

Method: 8260B

Matrix: Soil

Date Analyzed: 5/22/2013

Date Extracted: 5/22/2013

Perimeters	Conc. ug/Kg		Spike Added	Recovery %		Control Limits		RPD
	MS	MSD		MS	MSD	Rec.	RPD	
1,1-Dichloroethene	42	44	50	84	88	70-130	20	4
Benzene	47	48	50	94	96	70-130	20	2
Trichloroethene	53	51	50	106	102	70-130	20	4
Toluene	56	55	50	112	110	70-130	20	2
Chlorobenzene	46	46	50	92	92	70-130	20	0
m,p-Xylenes	96	93	100	96	93	70-130	20	3

MS: Matrix Spike
MSD: Matrix Spike Duplicate

RPD: Relative Percent Difference of MS and MSD

Perimeters	Method Blank	Units	Det. Limit
1,1-Dichloroethene	ND	ug/Kg	5
Benzene	ND	ug/Kg	5
Trichloroethene	ND	ug/Kg	5
Toluene	ND	ug/Kg	5
Chlorobenzene	ND	ug/Kg	5
m,p-Xylenes	ND	ug/Kg	5
MTBE	ND	ug/Kg	5
TBA	ND	ug/Kg	100
DIPE	ND	ug/Kg	10
ETBE	ND	ug/Kg	10
TAME	ND	ug/Kg	10
1,2-Dichloroethane	ND	ug/Kg	5
EDB	ND	ug/Kg	5
Ethylbenzene	ND	ug/Kg	5
o-Xylene	ND	ug/Kg	5

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☐ _____

05_137

CHAIN OF CUSTODY RECORD

Date: 5/22/13 Page 1 of 1

Project Name	Project Manager
ATLANTIC AVIATION - ONT	ROB LOEFFLER
Client	**Sampler (initials & signature)**
Invoice to: ☒ AGE ☐ Client	**Lab Project No.:**

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: BTEX/MTBE (8260B)	Analysis Required: BOISE - DIESEL	Analysis Required: BOISE - GAS
EX-D-10.5'	5/22/13	10:22	S	1	DISPENSOR EXCAVATION - 10.5'	X	X	X
EX-T7-21'	5/22/13	11:30	S	1	TANK T7 EXCAVATION - 21'	X	X	X

Relinquished by:	Date: 5/22/13	Time: 12:53	Laboratory:		
Courier:			Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by: GREAT	Date: 5/22/13	Time: 1:20

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☐ geotracker@advgeoenv.com ☐ _____

Global ID:

SOIL WEIGHMASTER CERTIFICATES AND MANIFESTS

Soil Safe of California, Inc. **ADE** 108423

12328 Hibiscus Ave. Adelanto, CA 92301

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professional Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest Number: A4-1119 Load #: 31 5/28/2013

Generator Site Information:

ATLANTIC AVIATION

2161 E AVION ST

ONTARIO, CA 91761

Weighmaster Weighed at:

SOIL SAFE OF CALIFORNIA, INC..

12328 HIBISCUS AVE

ADELANTO, CA 92301

			Lbs	Tons	
J Provansal	**Time In:** 12:01:16 PM	**Gross Weight:**	79180	39.59	Manual Wt
J Provansal	**Time out:** 12:17:12 PM	**Tare Weight:**	26220	13.11	Manual Wt
		Net Weight:	52960	26.48	

Truck Number: 992

Trailer Number: 992

Commodity: Non Haz - Solids

Driver on Gross and Tare Transporter: WEST COAST - JEAN

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
					3

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Generation Site (Transport from): *(name & address)*	Site Phone #:	
	Person to Contact:	
	FAX#:	

Designated Facility (Transport to): *(name & address)*	Facility Phone #:	
	Person to Contact:	
	FAX#:	

Transporter Name and Mailing Address:	Transporter's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0-10% ☐ 10-20% ☐ 20%-over ☐	Gas ☐ Diesel ☐ Other ☐			77840	26040	51760
Sand ☐ Organic ☐ Clay ☐ Other ☐	0-10% ☐ 10-20% ☐ 20%-over ☐	Gas ☐ Diesel ☐ Other ☐					26.115

List any exception to items listed above: Scale Ticket # 105423

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☒	Signature and date:	Month	Day	Year
Michael Kissick		5	28	13

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
		5	28	13

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
	5.28.13

Please print or type.

TRANSPORTER COPY

Soil Safe of California, Inc.

12328 Hibiscus Ave. Adelanto, CA 92301

ADE 108420

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professional Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest Number: A4-1119 Load #: 1

5/28/2013

Generator Site Information:

ATLANTIC AVIATION

2161 E AVION ST

ONTARIO, CA 91761

Weighmaster Weighed at:

SOIL SAFE OF CALIFORNIA, INC..

12328 HIBISCUS AVE

ADELANTO, CA 92301

J Provansal **Time In:** 10:07:27 AM

J Provansal **Time out:** 10:29:40 AM

	Lbs	Tons
Gross Weight:	76240	38.12 Manual Wt
Tare Weight:	25300	12.65 Manual Wt
Net Weight:	50940	25.47

Truck Number: 8

Trailer Number: 8

Commodity: Non Haz - Solids

Driver on Gross and Tare Transporter: WEST COAST - BRIAN

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number
Generation Site (Transport from): *(name & address)*	Site Phone #:	
	Person to Contact:	
	FAX#:	
Designated Facility (Transport to): *(name & address)*	Facility Phone #:	
	Person to Contact:	
	FAX#:	
Transporter Name and Mailing Address:	Transporter's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			76240	25X	50[illegible]
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					254[illegible]

List any exception to items listed above: Scale Ticket # 108420

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☑	Signature and date:	Month	Day	Year
Richard Kissick		5	29	13

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
[illegible] Ortiz		5	29	13

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
[illegible]	5-29-13

Please print or type.

TRANSPORTER COPY

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
	Transporter				

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact: ROB LOEFFLER	
	FAX#:	Customer Account Number
Generation Site (Transport from): *(name & address)*	Site Phone #:	
	Person to Contact:	
	FAX#:	
Designated Facility (Transport to): *(name & address)*	Facility Phone #:	
	Person to Contact:	
	FAX#:	
Transporter Name and Mailing Address:	Transporter's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					

List any exception to items listed above: Scale Ticket # 105424

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☒	Signature and date:	Month	Day	Year
Michael Sisick		5	28	13

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
Michael Sisick		5	28	13

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
J. JEFFREY - T. PROPOSAL	5-28-13

Please print or type.

TRANSPORTER COPY

Soil Safe of California, Inc.
12328 Hibiscus Ave. Adelanto, CA 92301

ADE 108424

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professional Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest Number: A4-1119 Load #: 2

5/28/2013

Generator Site Information:
ATLANTIC AVIATION
2161 E AVION ST

ONTARIO, CA 91761

Weighmaster Weighed at:
SOIL SAFE OF CALIFORNIA, INC..
12328 HIBISCUS AVE
ADELANTO, CA 92301

J Provansal **Time In:** 12:58:02 PM
J Provansal **Time out:** 1:13:18 PM

	Lbs	Tons	
Gross Weight:	76420	38.21	Manual Wt
Tare Weight:	26100	13.05	Manual Wt
Net Weight:	50320	25.16	

Truck Number: 775
Trailer Number: 775
Commodity: Non Haz - Solids

Driver on Gross and Tare Transporter: WEST COAST - CRESWELL

SAN BERNARDINO COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 South "E" Street • San Bernardino, CA 92415-0153
(909) 386-8401 • Fax (909) 386-8460

MARK A. HARTWIG
Fire Chief

July 18, 2013

MJK CONSTRUCTION
2766 POMONA BLVD
POMONA, CA 91768
ATTN: MICHAEL KISSIEK

SUBJECT: REMOVAL OF (7) UNDERGROUND STORAGE TANK AT 2161 E AVION STREET, ONTARIO, CA 91761

This Department has received the closure report, including the sample results from ADVANCED GEO ENVIRONMENTAL, for the UST removal completed on May 7, 2013. After review of the reports prepared by you or your agent, it has been determined that the extent of contamination, or the lack thereof, would indicate that no further investigation is warranted at this time

It is important to note that this cannot be construed as a release of liability for the site or declaration that the site is free from contamination. Should further projects or environmental investigations reveal additional contaminants on site, you will be responsible and held liable for the investigation and remedial actions.

Please contact this office at (909) 386-8464 if you have any further questions or concerns.

Brenda Mac Gregor

BRENDA MacGREGOR
HAZARDOUS MATERIALS SPECIALIST
EMERGENCY RESPONSE AND INVESTIGATIONS

BMG/ob

GREGORY C. DEVEREAUX
Chief Executive Officer

Board of Supervisors
ROBERT A. LOVINGOOD .....First District
JANICE RUTHERFORD.....Second District
JOSIE GONZALES.....Fifth District
JAMES RAMOS .....Third District
GARY C. OVITT.....Fourth District

Rec. 5-20-86

APRIL 22, 1986

LEAK DETECTION PLAN FOR

BEECHCRAFT WEST, INCORPORATED

2161 EAST AVION STREET

ONTARIO, CA 91761

Prepared by:

Eric D. Floyd
Project Geophysicist
H. B. Covey, Inc.

LOCATION OF FACILITY:

2161 EAST AVION ST.
ONTARIO, CA 91761

NAME AND ADDRESS OF TANK OWNER:

BEECHCRAFT WEST, INC.
7240 HAYVENHURST AVE.
VAN NUYS, CA 91406

DESCRIPTION OF TANK FACILITY:

LEAK DETECTION

Present leak detection is by stock inventory and system check. Each morning the fueling system is activated, and product is recirculated through all aboveground piping. At this time, all exposed piping is checked for leakage. This process is recorded on a daily record sheet (APPENDIX I). There is an "in tank" mechanical gauging system installed on tanks 1-5, however it is inoperative at the present time. There is no secondary containment or cathodic protection equipment on the tanks located at this facility.

TANK DESCRIPTIONS

Tank #1 One 25,000 gallon Owens-Corning underground storage tank constructed of fiberglass, installed in 1983. This tank contains aviation jet fuel (high grade kerosene). The product line from this tank is of the above ground suction type. Size and material of construction are unknown. There has been no recorded product loss from this tank and associated piping, nor have any repairs been made to this system.

Tank #2 One 25,000 gallon Owens-Corning underground storage tank constructed of fiberglass, installed in 1983. This tank contains aviation jet fuel (high grade kerosene). The product line from this tank is of the above ground suction type. Size and material of construction are unknown. There has been no recorded product loss from this tank and associated piping, nor have any repairs been made to this system.

Tank #3 One 15,000 gallon Owens-Corning underground storage tank constructed of fiberglass, installed in 1983. This tank contains aviation gasoline (100 octane low lead). The product line from this tank is of the above ground suction type. Size and material

of construction are unknown. There has been no recorded product loss from this tank and associated piping, nor have any repairs been made to this system.

Tank #4 One 15,000 gallon Owens-Corning underground storage tank constructed of fiberglass, installed in 1983. This tank contains aviation gasoline (100 octane low lead). The product line from this tank is of the above ground suction type. Size and material of construction are unknown. There has been no recorded product loss from this tank and associated piping, nor have any repairs been made to this system.

Tank #5 One 6,000 gallon Owens-Corning underground storage tank constructed of fiberglass, installed in 1983. This tank contains premium unleaded gasoline. The product line from this tank is of the underground pressure type. Size and material of construction are unknown. There has been no recorded product loss from this tank and associated piping, nor have any repairs been made to this system.

Pressure

Tank #6 One 2,000 gallon Owens-Corning underground storage tank constructed of fiberglass, installed in 1983. This tank contains contaminated aviation jet fuel and aviation gasoline. Spilled product can enter this tank through a gravity drain type system from a containment apron constructed in the fuel transfer area. This waste product is removed by suction truck. There has been no recorded product loss from this tank and associated piping, nor have any repairs been made to this system.

Tank #7 One 500 gallon underground storage tank constructed of carbon steel. This tank was installed in 1983 and contains waste oil. Leak detection is by stock inventory. The drain line into this tank is of the gravity drain type. There has been no recorded product loss from this tank and associated piping, nor have any repairs been made to this system.

LOCAL HYDROLOGY:

Depth to groundwater in the vicinity of this location is in excess of 200 feet (City of Ontario Water Department). The ground water gradient is thought to be in a generally southern direction. This water is potable, and is used for drinking and agriculture.

Surface soil conditions grade form sand to sandy loam. These soils are poorly sorted and compacted.

Drainage around the tank area is mostly to the north.

PROPOSED LEAK DETECTION SYSTEM

Tanks 1 - 6.....Alternative #14
Daily inventory by gauge tape
Retrofit with line leak detectors where required
Annual precision tank test

Tank #7.....Alternative #11
Weekly gauging of tank
Annual precision tank test

TANK TESTING SCHEDULE

All tanks to be tested by December 15, 1986
Petro-tite precision test to be used on all tanks

PERSON RESPONSIBLE FOR LEAK DETECTION

Mr. William Speer

LEAK DETECTION PROCEDURE

The level of each tank is checked daily via the in-tank gauging system and/or gauge stick. Dispensing meters are also read daily for each product. These readings are recorded and maintained in a file. These figures are compared every 30 days. The California Underground Storage Tank Regulations (Table 4.1, pg. 4.3b) sets forth the following tolerance levels for tank measurments.

"Inventory reconciliation which exceeds an allowable measurement error plus 0.15 percent of throughput at any time during a 30 day period shall require further investigation." The allowable measurements errors are as follows;

TANK SIZE ALLOWABLE MEASUREMENT ERROR

Tanks of 4,000 gallons or less.....25 gallons;

4,000 to 8,000 gallons.....50 gallons;

8,000 to 12,000 gallons.....75 gallons;

Tanks greater then 12,000 gallons.....100 gallons.

REPORTING PROCEDURES

Should a leak be detected, the monitoring equipment will immediately be checked for proper operation and the pump meters for proper calibration. The San Bernardino County Environmental Health Department will be notified of the

possible problem concomitantly with the above procedures, and updated as to the status of the leak after the equipment check.

SCHEDULE OF COMPLIANCE

Tank test all tanks.....by Dec. 15, 1986
Inventory control.....by Dec. 15, 1986

Respectfully Submitted,
Eric D. Floyd

Eric D. Floyd
Project Geophysicist
H. B. Covey, Inc.

APPENDIX I

Beechcraft West
ONTARIO DIVISION

Ontario International
2161 E. Avion Street
Ontario, Calif. 91761
(714) 988-8502

Fueling Facility Maintenance Check Record

AirCenter

MARKING CODE
(Y) CHECKED – CONDITION SATISFACTORY
(X) ADDITIONAL REPAIRS NEEDED
(O) CHECK NOT ACCOMPLISHED
(–) NOT APPLICABLE

Daily, Monthly, Six Month, and Yearly Checks

WEEK STARTING: | WEEK ENDING: | YEAR: 19__

FUEL FARM/LOADING FACILITY ITEMS	DAILY CHECK S	M	T	W	T	F	S	WEEKLY CHECK
	CHECKED BY (INITIAL)							
	ENTER CODE SYMBOL							
1. Visually check and correct as required – accumulations of trash, water, fuel, weeds, etc. – general condition of grounds, roadways, dikes, fences, structures and equipment – security locks, evidence of vandalism.								
2. Check/repair grounding wires and devices								X
3. Check/repair lighting and electrical								
4. Check slop tank – empty as required								X
5. Pump/drain tank of any water accumulation (Clear & Bright)								X
6. Inspect fire extinguishers								X
7. Drain filter/separator sump drains (Clear and Bright)								
8. Check condition of hoses & Nozzles								X
9. Check/empty trash cans								X
10. Check system for proper operation and leaks								
11. Check floating suction (Tug line)								X
12. Other								

DAILY WATER CHECK - STORAGE TANKS - ENTER IN INCHES

TANK NO.	S	M	T	W	T	F	S
1							
2							
3							
4							
5							
6							
7							
8							

WEEKLY DIFFERENTIAL PRESSURE CHECK-FILTERS

FILTER NO.	PSI

MONTHLY

M2 MANDATORY MAINTENANCE
CHECKED BY: (name) DATE:

1) Millapore Test.....Results:
2) Perform suspended water test.....Results:
3) Functional check/repair water slug valve
4) Check tank vents
5) Check Floating Suction (tug line)
6) Inspect Nozzles and Hoses
7) Nozzle test (slap-test)
8) Inspect/replace nozzle screens
9) Static ground wire continuity test
10) Signs, placards, and paint
11) Check fire extinguishers
12) Check for electrical safety hazards.

SIX MONTH

M3 MANDATORY MAINTENANCE
CHECKED BY: (name): DATE:

1) Check/ replace line strainers
2) Other:

YEARLY

CHECKED BY: (name). DATE:

1) Replace Product Filter Elements
2) Inspect Storage Tank Interior
3) Exterior Paint
4) Pressure Gauges Accurate

shannon environmentalsupportservices.com

From: swalkowiak@aqmd.gov
Sent: Thursday, September 16, 2021 3:01 PM
To: shannon environmentalsupportservices.com
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1407972, -- Completion Letter



Shannon Castagno

Environmental Support Services

30251 Golden Lantern E305

Laguna Nigel, Ca 92677

Ref: Request for Records; Control No. **1407972**, Received 9/2/2021

RE: APPL'S, P/O'S, EQL'S, NOV'S, N/C'S, COMPLAITS, I/R'S, & EMISSION SUM FOR ONTARIO AIRPORT PROPERTY, 2500 JARUPA ST, ONTARIO, CA, FROM 1/1/1900-9/2/2021.

After a thorough search of this agency's records, the following records were found:

APPL'S, P/O'S, EQL'S, NOV'S, N/C'S, & I/R'S FOR ONTARIO AIRPORT PROPERTY, 2500 JARUPA ST, ONTARIO, CA, FROM 1/1/1900-9/2/2021.

The following records were not found:

COMPLAINTS & EMISSION SUM FOR ONTARIO AIRPORT PROPERTY, 2500 JARUPA ST, ONTARIO, CA, FROM 1/1/1900-9/2/2021.

Your records were provided --Electronically-- on 9/16/2021.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of **8:00 a.m.** and **4:30 p.m.**

Sincerely,

Stacey Walkowiak

For Colleen Paine

Public Records Coordinator
Information Management

SCAQMD Facility Equipment List Report

Facility: 13316 CAL ST, MILITARY DEPT AIR NAT'L GUARD
Status: Active
MR: 1409 SIC: 9711 Team: I
Last Inspection: 08/25/2011 On Hold: Y Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha
Quarter: 0100 - inspect in 2nd quarter, every year
Contact: RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1256046
Location Address: 2500 JURUPA AVE, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 3900 ROSEVILLE RD, NORTH HIGHLANDS 95660-5795
Inspection Date: 08/25/2011
Instruction:
Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
140474				60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	01/14/1986	APPLICATION CANCELLED, KEEP FILING FEES
229923	D30849	10/01/1990	EXPIRED	043901	BCAT	I C E (50-500 HP) EM ELEC GEN-DIESEL	06/07/1990	PERMIT TO OPERATE GRANTED
229061	D30801	10/01/1990	EXPIRED	043901	BCAT	I C E (50-500 HP) EM ELEC GEN-DIESEL	05/18/1990	PERMIT TO OPERATE GRANTED
229062	M94438	07/17/1990	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	05/18/1990	PERMIT TO OPERATE GRANTED
229062	M94438	07/17/1990	INACTIVE	91	CCAT	AMINE TREATING	05/18/1990	PERMIT TO OPERATE GRANTED
906726	906726	06/28/1976	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	01/01/1900	PERMIT TO OPERATE GRANTED
906726	906726	06/28/1976	INACTIVE	90	CCAT	AMINE (OR DEA) REGENERATION	01/01/1900	PERMIT TO OPERATE GRANTED
01398B	E2744B		INACTIVE	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	01/01/1990	PERMIT TO OPERATE GRANTED
02217E	E04859		EXPIRED	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	01/01/1900	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 78085 CAL ST, MILITARY DEPT, NATL AIR GU013316 Status: Active MR: SIC: Team: I
Last Inspection: 07/22/2014 On Hold: Suspended: TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: 0000 - no scheduled inspections
Contact: MAJ DEAN CUNNINGHAM (714) 9842705 RECLAIM: N TITLE V: N AIRS ID: Assignment: 1445380
Location Address: 2500 JURUPA AVE, ONTARIO 91761 Sector: EE Inspector: JE01 JOHN ECKERT
Mailing Address: 3900 ROSEVILLE RD, NORTH HIGHLANDS 95660-5795 Inspection Date: 07/22/2014
Instruction: Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 78085 CAL ST, MILITARY DEPT, NATL AIR GU013316 Status: Active MR: SIC: Team: I
Last Inspection: 07/22/2014 On Hold: Suspended: TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: 0000 - no scheduled inspections
Contact: MAJ DEAN CUNNINGHAM (714) 9842705 RECLAIM: N TITLE V: N AIRS ID: Assignment: 1445380
Location Address: 2500 JURUPA AVE, ONTARIO 91761 Sector: EE Inspector: JE01 JOHN ECKERT
Mailing Address: 3900 ROSEVILLE RD, NORTH HIGHLANDS 95660-5795 Inspection Date: 07/22/2014
Instruction: Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: 07-22-2014 Performed inspection and contacted Lori Coleman Administrator at 1923 e avion st. Ontario 9095445300. She advised this location is O/B. I performed inspection by GPS and verified that this address does not exist.

No further followup necessary this ID.

Written by John Eckert 08-05-2014

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 13316 CAL ST, MILITARY DEPT AIR NAT'L GUARD
Status: Active
MR: 1409 SIC: 9711 Team: I
Last Inspection: 08/25/2011 On Hold: Y Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: 0100 - inspect in 2nd quarter, every year
Contact: RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1256046
Location Address: 2500 JURUPA AVE, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 3900 ROSEVILLE RD, NORTH HIGHLANDS 95660-5795
Inspection Date: 08/25/2011
Instruction:
Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On 8/25/2011, at 0740 hrs., I arrived at this facility to conduct an E/L inspection and met no one because the buildings were torn down. No signs. Located on Ontario Airport land.

Reviewed by MV on 9/7/2011.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District

NOV L01510

Run Date : 9/7/2021 08:53:38

Company

Facility:	CAL AIR NATIONAL GUARD (ID: 13316)
Location Address:	162 ONTARIO
Mailing Address:	162 NORTH HIGHLANDS 95660
AIRS ID	

Violation

Notice Issued Date:	3/26/1990
Violation Date:	3/19/1990
Serve To:	
Title:	MAJOR CUNNINGHAM
Issue By:	DEREK L DAVENPORT (Team: I)
Assignment No.:	512008
Equipment Description:	DIESEL TANK

Violation:

Disposition

Final Action Code:	CLO 5/15/1990 00:00:00
Achieved Date:	
Due Date:	
Violation Days:	0

Rule/Comment

203 FAILURE TO OBTAIN PERMIT TO OPERATE

Emittent

Follow-Up

Status: Inspector ID: Inspection Date: Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

South Coast Air Quality Management District

NC C12647

Run Date : 9/7/2021 08:53:59

Company

Facility:	CAL AIR NATIONAL GUARD (ID: 13316)
Location Address:	2500 JURUPA, ST ONTARIO
Mailing Address:	2500 JURUPA, ST ONTARIO 90000
AIRS ID	

Violation

Notice Issued Date:	3/26/1990
Violation Date:	
Serve To:	CAL AIR NATIONAL GUARD
Title:	
Issue By:	DEREK L DAVENPORT (Team: I)
Assignment No.:	496040
Compliance Achieved Date:	
Equipment Description:	DIESEL GEN.
Compliance Requirements:	

Disposition

Final Action Code:	
Due Date:	
Violation Days:	0

Rule/Comment

203

Emittent

Follow-Up

Status:	Inspector ID:	Inspection Date:	Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive, El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
REQUIRED BY THE EXECUTIVE OFFICER

CO. ID. 0 1 3 3 1 6

IF YOU HAVE AN EXISTING ID. ENTER ID NUMBER: IF NO ID. LEAVE BLANK

PLEASE TYPE OR PRINT

WHITE-ENGINEERING
YELLOW-FILE
PINK-ENFORCEMENT

SCAQMD USE

SEC | TS | ID NUMBER (FOR NEW CO. ONLY) 78085

1A. PERMIT TO BE ISSUED TO:
CALIFORNIA AIR NATIONAL GUARD
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B.
148 Combat Communications Squadron c/o 162CCG/DEV
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
3900 Roseville Road, North Highlands, CA 95660-5794
NUMBER | STREET | CITY OR COMMUNITY | STATE | ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
2500 Jurupa Avenue, Ontario IAP, Ontario, CA 91761-7627 Archibald Ave.
NUMBER | STREET | CITY OR COMMUNITY | ZIP | NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
Maj Dean Cunningham

4B. CONTACT PHONE NO. (AREA & NO.)
( ) (714) 984-2705

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
~~12--Emergency Generators~~ ONE (95 & 120Hp)

6. IF THE EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NONE
NAME | PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION [ ]
- ALTERATION [ ]
- CHANGE OF LOCATION [ ]
- REINSTATE NON-PAYMENT P/O
  - FEES DUE [XX]
  - CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [XX]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
- CORPORATION [ ]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T AGENCY [ ]
- STATE AGENCY [X] 130TH
- FEDERAL AGENCY [XX]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATIONS
BASIC EQUIPMENT $ UNKNOWN
AIR POLLUTION CONTROL EQUIPMENT $

10. FOR NEW CONSTRUCTION, ALTERNATION, TRANSFER OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? EXISTING BACKUP ELECT POWER ESTIMATED COMPLETED DATE?

11. GENERAL NATURE OF BUSINESS
Air National Guard training site -- Radio Communicaton

12. PRINCIPAL PRODUCT

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [XX]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 3-10 hrs/mon
DAY/WEEK
WEEKS/YEAR

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT?
YES [ ] NO [ ] NA
15A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [ ] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
John M. Lotz

17. OFFICIAL TITLE OF SIGNER
Commander

18. TYPED OR PRINTED NAME OF SIGNER
JOHN M. LOTZ, Colonel

19. PHONE NO.
927-2461/Ext 382

20. DATE
19 April 1990

SCAQMD USE

SIC NO. | EQUIP. CAT NO. 043905 | SCHED. 16

APPLICATION NO. 329061 | PERMIT NO. | TOXIC CLASS C | WORK UNITS A/C P/O | ASSIGNMENT UNIT 13 ENGR | CLASS I II III IV

VALIDATION 5/1/90 GP | FILING FEE $ 300 - | CHECK OR MONEY ORDER NUMBER 97-444407

SENT TO DATA/ID	RET. FROM DATA	SENT TO C/S	RET. FROM C/S	SENT TO	SENT TO	PYMT. PSTD. & APPL. 5/24	FIN. APPL. TO DATA

FORM 400A
89390-04

SMALL BUSINESS DECLARATION ON REVERSE SIDE

12/89

5/1/90 GP

(2 OF 4)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 FLAIR DRIVE, EL MONTE, CA 91731 (818)572-6212

CM/CO

SH/CO

APPLICATION FOR PERMIT TO CONSTRUCT/OPERATE FOR FUEL STORAGE & DISPENSING FACILITY

1. BUSINESS LICENSE NAME: CALIFORNIA AIR NATIONAL GUARD — CORPORATION[ ] PARTNERSHIP[ ] INDIV.OWNERSHIP[ ] STATE/FEDERAL GOVERNMENT

2. LOCATION ADDRESS: 2500 Jurupa Avenue — LOCATION CITY: Ontario — ZIP CODE: 91761-5794

3. LOCATION COUNTY: LOS ANGELES[ ]1 ORANGE[ ]2 RIVERSIDE[ ]3 SAN BERNARDINO[X]4

4. MAILING ADDRESS: 162CCG/Civil Engin, 3900 Roseville Road, North Highlands, CA — CITY: — STATE: — ZIP CODE: 95660-5794

5. APPLICATION TYPE: NEW FACILITY[ ]1 ALTERATION[ ]2 CHANGE OF OWNERSHIP[ ]3 EXISTING DIESEL TANK[X]4
CO. ID # 013316 PREVIOUS PERMIT # _____
FOR ALTERATION: #TANKS ADD _____ REMOVE _____ REPLACE _____ #NOZZLES ADD _____ REMOVE _____
ADDITION OF PHASE I CONTROL _____ ADDITION OF PHASE II CONTROL _____ ADDITION OF SUBMERGED FILL _____

6. BUSINESS TYPE: (CHECK ONE BOX ONLY)
RETAIL [ ]1 CONSUMER ACCOUNT [ ]2 GOVERNMENT AGENCY [ ]3
FOR CONSUMER ACCOUNT AND GOVERNMENT AGENCY, DO YOU OWN ANY FLEET VEHICLES? YES[ ] NO[ ]
IF YES, TOTAL NUMBER OF FLEET VEHICLES: _____

7. BOARD OF EQUALIZATION NUMBER:

8. VAPOR RECOVERY SYSTEMS: (See Reverse Side For Instructions)
PHASE I ONLY[ ]1 PHASE II ONLY[ ]2 BOTH PHASE I & II[X]3 EXEMPT[ ]5

9. TANK AND NOZZLE INFORMATION: (Please List All Tanks And Nozzles On Premises)
(See Reverse Side For Instructions)

TYPE	NUMBER OF TANKS	TANK CAPACITY (GALLONS)	THRUPUT (GAL/YEAR)	NUMBER OF NOZZLES	CONTROL TYPE (Phase II)	UNDERGROUND [1] OR ABOVEGROUND [2]
GASOLINE	1	4,000	4,000	1	OPW7V Mod C-47	[1]
METHANOL						[ ]
DIESEL	1	6,000	7,000	1		[1]
LPG						[ ]
WASTE OIL						[ ]
OTHER						
						[ ]

10. METHANOL COMPATIBLE TANK INFORMATION: (See Reverse Side For Instructions)
DO YOU HAVE ANY EXISTING METHANOL COMPATIBLE TANKS WHICH HAVE A FUEL STORAGE AND DISPENSING PERMIT? YES[ ] NO[X]
IF YES, PERMIT # _____
IF NO, YOU MUST SUBMIT CERTIFICATION FROM THE MANUFACTURER WITH THE APPLICATION FOR:
A. METHANOL TANKS
B. SEALS, FITTINGS AND PIPING

11. INSTALLATION DATE: 1958 & 1966 — 12. NOTICE TO COMPLY #:

→ SIGNATURE: T. Michael Vadnais — DATE: 9MAY 90

PRINT NAME: T. MICHAEL VADNAIS, TITLE: Colonel, CA ANG Staff Engineering and Services Officer — TELEPHONE: (916) 9733566

CONTRACTOR'S NAME, ADDRESS AND TELEPHONE NUMBER:

SCAQMD USE ONLY CO. ID#: 13316 — APPLICATION NO: 229062

TRANSACTION CODE: DATE: 5/18/90 LC — CHECK NO.: 97-44640 AMOUNT: 350

1/89 - FORM 450

CAL ST. MILITARY DEPT

906726 (17)

(4 OF 4)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive, El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
REQUIRED BY THE EXECUTIVE OFFICER

CO. ID. 0 1 3 3 1 6

IF YOU HAVE AN EXISTING ID. ENTER ID NUMBER: IF NO ID. LEAVE BLANK

PLEASE TYPE OR PRINT

WHITE-ENGINEERING
YELLOW-FILE
PINK-ENFORCEMENT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
CALIFORNIA AIR NATIONAL GUARD

BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT | SEC | TS | ID NUMBER (FOR NEW CO. ONLY)

78085 13316

1B.
148 Combat Communications Squadron c/o 162CCG/DEV

NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
3900 Roseville Road, North Highlands, CA 95660-5794

NUMBER | STREET | CITY OR COMMUNITY | STATE | ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
2500 Jurupa Avenue, Ontario IAP, Ontario, CA 91761-7627 Archibald Ave.

NUMBER | STREET | CITY OR COMMUNITY | ZIP | NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
Maj Dean Cunningham

4B. CONTACT PHONE NO. (AREA & NO.)
( ) (714) 984-2705

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
2--Emergency Generators (95 & 120Hp)

6. IF THE EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER

NONE
NAME

PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT

- NEW CONSTRUCTION [ ]
- ALTERATION [ ]
- CHANGE OF LOCATION [ ]
- REINSTATE NON-PAYMENT P/O
- FEES DUE [XX]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [XX]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION

- CORPORATION [ ]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T AGENCY [ ]
- STATE AGENCY [X] 130TH
- FEDERAL AGENCY [XX]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATIONS
BASIC EQUIPMENT $ UNKNOWN
AIR POLLUTION CONTROL EQUIPMENT $

10. FOR NEW CONSTRUCTION, ALTERNATION, TRANSFER OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? EXISTING BACKUP ELECT POWER ESTIMATED COMPLETED DATE?

11. GENERAL NATURE OF BUSINESS
Air National Guard training site -- Radio Communicaton

12. PRINCIPAL PRODUCT

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [XX]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 3-10 hrs/mon
DAY/WEEK
WEEKS/YEAR

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT?
YES [ ] NO [ ] NA
15A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [ ] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
John M. Lotz

17. OFFICIAL TITLE OF SIGNER
Commander

18. TYPED OR PRINTED NAME OF SIGNER
JOHN M. LOTZ, Colonel

19. PHONE NO.
927-2461/Ext 382

20. DATE
19 April 1990

SCAQMD USE

SIC NO.	EQUIP. CAT NO.	SCH/STP
	043900	16

APPLICATION NO.	PERMIT NO.	TYPE C/L/R/C	WORK UNITS A/C	WORK UNITS P/O	ASSIGNMENT UNIT	ENGR	CLASS
229923					13	TT 6/7/90	I III IV

VALIDATION	FILING FEE $	CHECK OR MONEY ORDER NUMBER
4/26/90 GF 6/7/90	380 200	97-44407 9744550

SENT TO DATA/ID	RET. FROM DATA	SENT TO C/S	RET. FROM C/S	SENT TO	SENT TO	PYMT. PSTD. & APPL.	FIN. APPL. TO DATA
						5/24	

FORM 400A
86390-04

SMALL BUSINESS DECLARATION ON REVERSE SIDE

12/89

(1 OF 2)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

COLTON

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AIR EQUIPMENT AND

FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION

SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE: SIC | TS | ID NUMBER: 48926

1A PERMIT TO BE ISSUED TO
AIR NATIONAL GUARD STATION
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A MAILING ADDRESS
2500 ACACIA ONTARIO IAP CA 92671
NUMBER STREET CITY OR COMMUNITY STATE

2B
ZIP CODE

3A EQUIPMENT LOCATION (IF SAME ENTER SAME)
SAME
NUMBER STREET CITY OR COMMUNITY ZIP

3B
ARCHIBALD-MISSION
NEAREST INTERSECTING STREET

4A CONTACT PERSON (INITIALS & NAME)
ADM- ARMANDO D. MIRANDA

4B CONTACT PHONE NO (AREA & NO)
(714 984-2705

5 EQUIPMENT APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
SPRAY BOOTH, PAINT AND SOLVENT

6 IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT STATE NAME OF CORPORATION COMPANY OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
SAME (NAME)
E2744B (PREVIOUS PERMIT NUMBER)

7 PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- REINSTATE NON-PAYMENT P D FEES DUE ☑
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☐
- CHANGE OF CONDITIONS ☐

8 TYPE OF ORGANIZATION
- CORPORATION ☐
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOVT AGENCY ☐
- STATE AGENCY ☑
- FEDERAL AGENCY ☐
- UTILITY ☐

9 ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 8500.00
AIR POLLUTION CONTROL EQUIPMENT $

10 FOR THE NEW CONSTRUCTION ALTERATION TRANSFER OF OWNERSHIP OR LOCATION WHAT IS
ESTIMATED STARTING DATE?
ESTIMATED COMPLETION DATE?

11 GENERAL NATURE OF BUSINESS
CALIFORNIA AIR NATIONAL GUARD

12 PRINCIPAL PRODUCT

13 DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14 NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 7:45-4:30
DAYS/WEEK 5 days/w
WEEKS/YEAR 4 wks/mt.

15 HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☐

15a ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES? YES ☒ NO ☐

16 SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION

17 OFFICIAL TITLE OF SIGNER
VEHICLE MAINTENANCE FOREMAN

18 TYPED OR PRINTED NAME OF SIGNER
ARMANDO D. MIRANDA

19 PHONE NO
714-984-2705

20 DATE
5 NOV 1985

SCAQMD USE

SIC NO

EQUIP CAT NO 160

SCH SUP 1/A JAN 21 1986

APPLICATION NO 140474

PERMIT NO

TYPE B D C

WORK UNITS A C P D

ASSIGNMENT 9 UNIT ENGR

CLASS 1 (B)

VALIDATION 1/14/86

FILING FEE $ (1)

CHECK OR MONEY ORDER NO F 16111

Form 400A - REVISED 8-84 PRIOR VERSIONS NOT VALID (Continued on reverse) C-1

SEE REVERSE FOR FEES REQUIRED UPON FILING

VE097410446 - C90-1342) (1/5/81 no check). OK Amy

$50.00 SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE To Whalen. CAO

11/6/80 by State of California PLEASE TYPE OR PRINT

1a. CALIFORNIA AIR NATIONAL GUARD

1b.

1c. MAILING ADDRESS: ONTARIO AIR NATIONAL GUARD BASE, ONTARIO, CALIFORNIA 91761

2a. EQUIPMENT LOCATION (IF SAME AS 1a, WRITE "SAME"): SAME

2b. ARCHIBALD

3a. CONTACT PERSON (INCLUDE AREA CODE): 3b. CONTACT PHONE NO. (AREA CODE & NO.):

4. EQUIPMENT: MANUFACTURER: INLAND MANUFACTURING CO. SANDBLASTER
MODEL B410-78 SERIAL # 86112

5a. PRIMARY AIR POLLUTION CONTROL EQUIPMENT:

5b. SECONDARY AIR POLLUTION CONTROL EQUIPMENT:

6a. BOILER OPERATING CAPACITY (THOUSANDS OF BTU/HR.):

6b. IF BOILER STEAM USED FOR SPACE HEAT:

7. IF THIS EQUIPMENT HAD A PREVIOUS DISTRICT PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER:

8. PERMIT APPLICATION: (X) NEW CONSTRUCTION; ( ) ALTERATION; ( ) CHANGE OF LOCATION; ( ) CHANGE OF OWNERSHIP

9. TYPE OF ORGANIZATION: ( ) CORPORATION; ( ) PARTNERSHIP; ( ) INDIVIDUAL OWNER; ( ) LOCAL GOVT. AGENCY; ( ) STATE AGENCY; (X) FEDERAL AGENCY

10a. NO. OF THIS LOCATION: 140

10b. NO. OF EMPLOYEES: 40

11. ESTIMATED COST OF EQUIPMENT OR ALTERATION: BASIC EQUIPMENT: 700.00; AIR POLLUTION CONTROL EQUIPMENT:; ANNUAL MAINTENANCE COST:

12. FOR THE NEW CONSTRUCTION, ALTERATION, OWNERSHIP OR LOCATION, WHAT IS ESTIMATED STARTING DATE: 6 JUN 80 ESTIMATED COMPLETION DATE: 7 JUN 80

13. GENERAL NATURE OF BUSINESS: D.O.D.

14. PRINCIPAL PRODUCT:

15. ANNUAL THROUGHPUT BY QUARTERS: DEC-FEB: 25. MAR-MAY: 25. JUN-AUG: 25. SEP-NOV: 25.

16a. DO YOU CLAIM CONFIDENTIALITY OF DATA? YES ( ) NO (X)

16b. IF YES, STATE REASONS:

17. ANNUAL OPERATING HOURS OF EQUIPMENT: 2 / 1500 / 52

18. NAME OF OWNER OR OFFICER: Richard H Schmitt

19. OFFICIAL TITLE OF OWNER: BASE Civil ENGINEER

20. TYPED OR PRINTED NAME OF OWNER:

21. PHONE NO.: 714-984-2705

22. DATE: 1-SEP-80

APCD USE ONLY

		5380			1/6/81
		1799			000289/60
02217E	E04859			LEW	
State Government no fees due AP		none		State Govt.	
		O (Govt Agency)			

ARF - O (Govt Agency)

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID (Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

22. SUPPLEMENTARY INFORMATION FOR EACH STACK OR EMISSION POINT:

STACK NO.	(a) HEIGHT	(b) DIAMETER	(c) TEMP.	(d) FLOW RATE	(e) VELOCITY
1					
2					
3					

(IF MORE THAN 3, LIST ON A SEPARATE SHEET)

(a) HEIGHT - DISTANCE ABOVE GROUND LEVEL TO DISCHARGE POINT, FEET.
(b) DIAMETER OF DISCHARGE POINT TO NEAREST TENTH FOOT. NOTE: IF NOT CIRCULAR INSERT DIAMETER OF EQUIVALENT CIRCULAR AREA. USING A MEASURED OR ESTIMATED CROSS-SECTIONAL AREA (A, IN SQUARE FEET), THE EQUIVALENT DIAMETER (D_e, IN FEET) MAY BE CALCULATED:

$$D_e = 1.128 \sqrt{A}$$

(c) TEMPERATURE AT DISCHARGE POINT IN °F, ACTUAL OR ESTIMATED TO NEAREST 50°F.
(d) FLOW RATE AT DISCHARGE POINT IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
(e) VELOCITY OF DISCHARGE IN FT/SEC, DESIGN OR MEASURED RATE.

23. REMARKS

IF YOU WISH TO SPECIFY PROCESS INFORMATION AS PROPRIETARY OR CONFIDENTIAL, SPACE IS PROVIDED FOR THIS PURPOSE. HOWEVER, THE KINDS AND RATES OF EMISSIONS MAY NOT BE HELD CONFIDENTIAL. BY STATE LAW EMISSIONS ARE SUBJECT TO PUBLIC DISCLOSURE.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

1a. CALIFORNIA AIR NATIONAL GUARD

1b.

2a. MAILING ADDRESS: ONTARIO AIR NATIONA GUARD BASE, ONTARIO, CALIFORNIA — 2a. ZIP CODE: 91761

3a. EQUIPMENT LOCATION (IF SAME AS 2a, WRITE "SAME"): ("SAME") — 3b. CITY OR COMMUNITY: ARCHIBALD

4a. CONTACT PERSON (INITIALS & NAME): Maj R.L. Schmitt — 4b. CONTACT PHONE NO. (AREA CODE & NO.): 714-984-2705

5. EQUIPMENT, APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT: FSN 4940-00-288-1509

BINKS PAINT SPRAY BOOTH

Model CF-528-T 28'4"L X 14'W X 12'H

Bldg 13

6a. PRIMARY AIR POLLUTION CONTROL EQUIP. — 6b. SECONDARY AIR POLLUTION CONTROL EQUIP.

7a. BOILER OPERATING CAPACITY _____ (THOUSANDS OF BTU/HR.) — 7b. % BOILER STEAM USED FOR SPACE HEAT _____

8. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER. — PREVIOUS OWNER'S NUMBER

9. PERMIT APPLICATIONS: [X] NEW CONSTRUCTION [1] [ ] ALTERATION [2] [ ] CHANGE OF LOCATION [3] [ ] CHANGE OF OWNERSHIP [4]

10. TYPE OF ORGANIZATION: [ ] CORPORATION [1] [ ] PARTNERSHIP [2] [ ] INDIVIDUAL OWNER [3] [ ] LOCAL GOVT. AGENCY [4] [ ] STATE AGENCY [5] [X] FEDERAL AGENCY [6] [ ] UTILITY [7]

11a. NO. OF EMPLOYEES AT THIS LOCATION: 140 — 11b. HOURS OF OPERATION: 40 HOURS PER WEEK

12. ESTIMATED COST OF EQUIPMENT OR ALTERATION: BASIC EQUIPMENT $ 6158 — AIR POLLUTION CONTROL EQUIPMENT $ _____ — ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ _____

13. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS ESTIMATED STARTING DATE? 15 April 1978 — ESTIMATED COMPLETION DATE? 30 April 1978

14. GENERAL NATURE OF BUSINESS: D.O.D. — 15. PRINCIPAL PRODUCT:

16. % ANNUAL THROUGHPUT OF QUARTERS: DEC-FEB _____ MAR-MAY _____ JUN-AUG _____ SEP-NOV _____

17a. DO YOU CLAIM CONFIDENTIALITY OF DATA? YES [ ] NO [X] — IF YES, STATE REASONS ON SEPARATE SHEET

17b. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT: 8 HOURS/DAY, 5 DAYS/WEEK, 52 WEEKS/YEAR

18. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: — 19. OFFICIAL TITLE OF SIGNER: BASE CIVIL ENGINEER

20. TYPED OR PRINTED NAME OF SIGNER: — b. PHONE NO. — c. DATE: 6-27-78

APCD USE ONLY

A-01398-B | E-2744-B

VALIDATION: SCAQMD 039 25000a 83 COP

FILING $25.00 — CHECK OR MONEY ORDER NO. V-097-406072

PERMIT $25.00 — CHECK OR MONEY ORDER NO. V-097-406072

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D30801
A/N 229061
Page 1

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 013316

Legal Owner Or Operator:

CAL ST, MILITARY DEPT AIR NAT'L GUARD
3900 ROSEVILLE ROAD
NO. HIGHLANDS, CA 95660
ATTN: MAJ. DEAN CUNNINGHAM

Equipment located at: 2500 JURUPA AVENUE, ONT. IAP, ONTARIO, CA 91761

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, MODEL NO. 350, SERIAL NO. MB-17, 6 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 95 BHP, WITH 1 EXHAUST.

Conditions:

1. Operation of this equipment must be conducted in compliance with all data and specifications submitted with the application under which this Permit is issued unless otherwise noted below.

2. This equipment must be properly maintained and kept in good operating conditions at all times.

3. The ignition timing of this engine shall be inspected, adjusted, and certified at a minimum of once every three years of operation. Inspections, adjustments, and certifications must be performed by a qualified mechanic and done in accordance with the engine manufacturer's specifications and procedures.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/Creighton
October 1, 1990

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D30849
A/N 229923
Page 1

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator:

CALIFORNIA AIR NATIONAL GUARD
3900 ROSEVILLE ROAD
NORTH HIGHLANDS, CA 95660
ATTN: MAJ. DEAN CUNNINGHAM

ID 013316

Equipment located at: 2500 JURUPA AVENUE, ONT. IAP, ONTARIO, CA 91761

Equipment Description:

INTERNAL COMBUSTION ENGINE, ALLIS CHALMERS, DIESEL-FUELED, MODEL NO. 3500, SERIAL NO. 3D-58019, 6 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 120 BHP, WITH 1 EXHAUST.

Conditions:

1. Operation of this equipment must be conducted in compliance with all data and specifications submitted with the application under which this Permit is issued unless otherwise noted below.

2. This equipment must be properly maintained and kept in good operating conditions at all times.

3. The ignition timing of this engine shall be inspected, adjusted, and certified at a minimum of once every three years of operation. Inspections, adjustments, and certifications must be performed by a qualified mechanic and done in accordance with the engine manufacturer's specifications and procedures.

FILE COPY

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/Creighton
September 27, 1990

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

EASTERN ZONE

E 02744
B

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: California Air National Guard
Ontario Airport

EQUIPMENT LOCATED AT: Ontario, CA 91761

EQUIPMENT DESCRIPTION AND CONDITIONS:

Paint Spray Booth, Binks, Model CF-528-T, 24 Filters (Each 20" X 20" X 1" or 2" Thick) 67 Ft^2, with 5 HP Exhaust Fan.

CONDITIONS: 1. This equipment must be kept in good operating condition at all times.
2. All solvent and paint shall be non-photochemically reactive (exclusive of water-reducible paint).

This initial permit must be renewed by June 28, 1979 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAQMD 070 2500Da 8282

VOID UNLESS VALIDATED

AIR POLLUTION CONTROL OFFICER

BY Eric F Dueria

DATE June 28, 1978

78P234E-2/77

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to CONSTRUCT/OPERATE

9150 FLAIR DRIVE EL MONTE CALIFORNIA 91731

PERMIT NO. M94438
A/N 229062
PAGE 1

THIS INITIAL PERMIT MUST BE RENEWED BY 12/16 ANNUALLY UNLESS THE EQUIPMENT IS MOVED, OR CHANGES OWNERSHIP. IF THE BILLING FOR ANNUAL RENEWAL FEE (RULE 301.F) IS NOT RECEIVED BY THE EXPIRATION DATE, CONTACT THE DISTRICT.

GAL OWNER CO. ID.: 013316 SECTOR: SM
OPERATOR: CAL ST, MILITARY DEPT AID NAT'L GUARD

EQUIPMENT
LOCATED AT: 2500 JURUPA AV
ONTARIO, CA 91761

EQUIPMENT DESCRIPTION:
FUEL STORAGE AND DISPENSING FACILITY CONSISTING OF:

1. ONE	UNDERGROUND GASOLINE STORAGE TANK(S), (EACH) 4,000 GALLON CAPACITY, NOT METHANOL COMPATIBLE
2. ONE	GASOLINE DISPENSING NOZZLES VENTED TO VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR
3. ONE	UNDERGROUND DIESEL STORAGE TANK(S), (EACH) 6,000 GALLON CAPACITY, NOT METHANOL COMPATIBLE
4. ONE	DIESEL DISPENSING NOZZLES.

FILE COPY

PERMIT CONDITIONS:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. (EXCEPT FOR DIESEL TRANSFERS) PHASE I AND PHASE II VAPOR RECOVERY SYSTEMS MUST BE IN FULL OPERATION WHENEVER THIS FACILITY IS IN USE. SUCH SYSTEMS MUST BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CARB CERTIFICATION REQUIREMENTS.

THIS PERMIT CONCLUDES ON THE NEXT PAGE.

PERMIT to CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

PERMIT NO. M94438
A/N 229062
PAGE 2

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO CONSTRUCT/OPERATE OR COPY MUST BE POSTED ON OR WITHIN 9 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

APPROVAL OF THE DEPARTMENT OF PUBLIC WORKS, THE DEPARTMENT OF BUILDING AND SAFETY, THE LOCAL FIRE DEPARTMENT AND/OR THE LOCAL TANK LAW IMPLEMENTING AGENCY IS REQUIRED BEFORE CONSTRUCTION IS STARTED.

THIS PERMIT TO CONSTRUCT/OPERATE IS BASED ON THE PLANS, SPECIFICATIONS, AND DATA SUBMITTED AS IT PERTAINS TO THE RELEASE OF AIR CONTAMINANTS AND CONTROL MEASURES TO REDUCE AIR CONTAMINANTS. NO APPROVAL OR OPINION CONCERNING SAFETY AND OTHER FACTORS IN DESIGN, CONSTRUCTION OR OPERATION OF THE EQUIPMENT IS EXPRESSED OR IMPLIED.

EXECUTIVE OFFICER

BY RAQUEL PUERTA
07/17/90

FILE COPY

MAILING ADDRESS:
CAL ST, MILITARY DEPT AIR NAT'L GUARD
2500 JURUPA AV

ONTARIO, CA 917610000

DATE: 07/17/90
ID: 013316
SECTOR: SH

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 04859

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: California Air National Guard

Appl. No. 02217E

EQUIPMENT LOCATED AT: Ontario Air National Guard Base, Ontario, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Portable Sandblast Unit, Consisting of: Sand Blast Pot, 200 lbs. Capacity, Model B410-178, S. N. 86112 Using 3/16" and 5/16" Blast Nozzles.

FILE COPY

CONDITIONS:

(1) Dry sandblasting using an ARB-approved abrasive and no other control shall be used only on surfaces sufficiently free of excess deposits to prevent emissions in excess of 40% opacity for more than three minutes in any one hour.

(2) Operation of this equipment shall comply with provisions of District Rule 1140.

This initial permit must be renewed by Not Applicable or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

Local Government Agency - No Fees Due

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Janice F. Moore

DATE 7/23/81

76P234C 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

ID NUMBER
9006726

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: ONTARIO AIR NATIONAL GUARD BASE

EQUIPMENT LOCATED AT: ONTARIO INT. AIRPORT
ONTARIO

EQUIPMENT DESCRIPTION AND CONDITIONS:

GASOLINE STORAGE AND DISPENSING FACILITY
02 NOZZLES

ONTARIO AIR NATIONAL GUARD BASE
ONTARIO INT. AIRPORT
ONTARIO CA 000091761

FILE COPY

This initial permit must be renewed by _____ unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY PERMIT PROCESSING
RULE 461

DATE 08-18-81

XXXXXXXXXXXXXXXXX TELEPHONE (213) 572-6116

76P234M - 12/80

shannon environmentalsupportservices.com

From: swalkowiak@aqmd.gov
Sent: Tuesday, October 12, 2021 1:51 PM
To: shannon environmentalsupportservices.com
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1407974, -- Completion Letter



Shannon Castagno

Environmental Support Services

30251 Golden Lantern E305

Laguna Nigel, Ca 92677

Ref: Request for Records; Control No. **1407974**, Received 9/2/2021

RE: APPL'S, P/O'S, EQL'S, NOV'S, N/C'S, COMPLAINTS, I/R'S, & EMISSION SUM FOR ONTARIO AIRPORT PROPERTY, 1801, 1922, 1923, 2132, 2161, 2264, 2475 AVION ST/PL, ONTARIO, CA, FROM 1/1/1900-9/2/2021.

After a thorough search of this agency's records, the following records were found:

APPL'S, P/O'S, EQL'S, NOV'S, N/C'S, COMPLAINTS, I/R'S, & EMISSION SUM FOR ONTARIO AIRPORT PROPERTY, 1801, 1923, 2132, 2161, 2264, & 2475 AVION ST/PL, ONTARIO, CA, FROM 1/1/1900-9/2/2021.

The following records were not found:

APPL'S, P/O'S, EQL'S, NOV'S, N/C'S, COMPLAINTS, I/R'S, & EMISSION SUM FOR ONTARIO AIRPORT PROPERTY, 1922 AVION ST/PL, ONTARIO, CA, FROM 1900-9/2/2021. APPL #'S 287112, 311818, 311820, 311821, 311822, 283092, 283093, 322388, 136476, & 136477 ARE CONF

Your records were provided --Electronically-- on 10/12/2021.

EMISSIONS SUMMARY CAN BE ACCESSED ONLINE BY OUR WEB TOOL CALLED FIND - FACILITY INFORMATION DETAIL, AT HTTPS://XAPPPROD.AQMD.GOV/FIND. SEARCH BY FACILITY ID #11726 & #61160 AND SELECT THE EMISSIONS OPTION TO VIEW THE RESULTS.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of **8:00 a.m.** and **4:30 p.m.**

Sincerely,

Stacey Walkowiak
For Colleen Paine
Public Records Coordinator
Information Management

SCAQMD Facility Equipment List Report

Facility: 58000 FEDERAL EXPRESS CORP
Status: Active
MR: 1301 SIC: 4520 Team: I
Last Inspection: 02/13/2019 On Hold: N Suspended: N TS: TS-31 Area Sources: Rule 222 Equipment
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: KRIS YOUNG (909) 9833841 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1739605
Location Address: 1801 AVION, ONTARIO 91761-8003 Sector:EE
Inspector: VT01 VANESSA J. TANIK
Mailing Address: 3620 HACKS CROSS BLDG B 2ND FL RD, MEMPHIS 38125-7113
Inspection Date: 02/13/2019
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
305057				041901	BCAT	I C E (50-500 HP) N-EM PORT N-RENT DIESE	07/06/1995	APPLICATION CANCELLED, REFUND ALL FEES
305058				041901	BCAT	I C E (50-500 HP) N-EM PORT N-RENT DIESE	07/06/1995	APPLICATION CANCELLED, KEEP ALL FEES
442584	N17241	05/31/2005	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	04/06/2005	PERMIT TO OPERATE GRANTED
159545	M89141	11/05/1987	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	07/28/1987	PERMIT TO OPERATE GRANTED
159545	M89141	11/05/1987	INACTIVE	91	CCAT	AMINE TREATING	07/28/1987	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 11726 GE ENGINE SERVICES
Status: Active
MR: 1206 SIC: 3724 Team: I
Last Inspection: 04/06/2012 On Hold: N Suspended: N TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: HANZ ZARIFA (909) 3915474 RECLAIM: N TITLE V: N AIRS ID: Assignment: 1298595
Location Address: 1923 E AVION DR, ONTARIO 91761-7766 Sector:EE Inspector: HR01 HAROLD RANK
Mailing Address: 1923 E AVION DR, ONTARIO 91761-7766 Sector:EE Inspection Date: 04/06/2012
Instruction: Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
254088				000321	BCAT	TANK, SURFACE PREPARATION - OTHER ACIDS	07/30/1991	APPLICATION CANCELLED, REFUND ALL FEES
231567				014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	06/28/1990	APPLICATION CANCELLED, REFUND ALL FEES
231565				332900	BCAT	STORAGE TANK FUEL OIL	06/27/1990	APPLICATION CANCELLED, REFUND ALL FEES
214092				000221	BCAT	DEGREASER 1,1,1 TRICHLOROETHANE (>1LB/D)	10/02/1989	APPLICATION CANCELLED, REFUND ALL FEES
201414				000321	BCAT	TANK, SURFACE PREPARATION - OTHER ACIDS	06/02/1989	APPLICATION CANCELLED, REFUND ALL FEES
136476				248900	BCAT	STORAGE TANK GASOLINE	09/05/1985	APPLICATION CANCELLED, REFUND ALL FEES
136477				248900	BCAT	STORAGE TANK GASOLINE	09/05/1985	APPLICATION CANCELLED, REFUND ALL FEES
322388	F7956	07/02/1997	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	11/20/1996	PERMIT TO OPERATE GRANTED
283093	D89894	04/17/1995	INACTIVE	000281	BCAT	TANK CHEMICAL MILLING	07/07/1993	PERMIT TO OPERATE GRANTED
283092	D89893	04/17/1995	INACTIVE	23	CCAT	DRY FILTER, ABSOLUTE	07/07/1993	PERMIT TO OPERATE GRANTED
283093	D89894	04/17/1995	INACTIVE	23	CCAT	DRY FILTER, ABSOLUTE	07/07/1993	PERMIT TO OPERATE GRANTED
201413	D57864	01/19/1993	INACTIVE	000321	BCAT	TANK, SURFACE PREPARATION - OTHER ACIDS	06/02/1989	PERMIT TO OPERATE GRANTED
233471	D48559	02/18/1992	INACTIVE	206310	BCAT	MISC INORGANIC ACID STRIPPING	07/17/1990	PERMIT TO OPERATE GRANTED
214093	D37379	04/09/1991	INACTIVE	000228	BCAT	DEGREASER COLD SOLVENT DIP - >1 LB/DAY	10/02/1989	PERMIT TO OPERATE GRANTED
234447	D37238	04/02/1991	INACTIVE	000294	BCAT	PLASMA ARC CUTTING	07/31/1990	PERMIT TO OPERATE GRANTED
234447	D37238	04/02/1991	INACTIVE	67	CCAT	SPRAY BOOTH METALLIZING	07/31/1990	PERMIT TO OPERATE GRANTED
231566	D34733	12/17/1990	INACTIVE	341900	BCAT	STORAGE TANK JP-4	06/28/1990	PERMIT TO OPERATE GRANTED
235482	D34251	11/28/1990	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	08/09/1990	PERMIT TO OPERATE GRANTED
235483	D34252	11/28/1990	INACTIVE	22	CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	08/09/1990	PERMIT TO OPERATE GRANTED
217256	D32916	10/15/1990	INACTIVE	425540	BCAT	FREONS PACKAGING	11/28/1989	PERMIT TO OPERATE GRANTED
218446	D32913	10/15/1990	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	11/28/1989	PERMIT TO OPERATE GRANTED
218449	D32915	10/15/1990	INACTIVE	299560	BCAT	MISC MATERIALS PRODUCTION	11/28/1989	PERMIT TO OPERATE GRANTED
218450	D32912	10/15/1990	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	11/28/1989	PERMIT TO OPERATE GRANTED
218447	D32911	10/15/1990	INACTIVE	22	CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	11/28/1989	PERMIT TO OPERATE GRANTED
218449	D32915	10/15/1990	INACTIVE	22	CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	11/28/1989	PERMIT TO OPERATE GRANTED
201416	M95071	08/11/1990	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	06/02/1989	PERMIT TO OPERATE GRANTED
201416	M95071	08/11/1990	INACTIVE	91	CCAT	AMINE TREATING	06/02/1989	PERMIT TO OPERATE GRANTED
201415	D12855	12/08/1989	INACTIVE	011001	BCAT	BOILER (<5 MMBTU/HR) NAT GAS ONLY	06/02/1989	PERMIT TO OPERATE GRANTED
171613	D02484	09/21/1988	INACTIVE	421900	BCAT	STORAGE TANK 1,1,1 TRICHLOROETHANE	06/29/1988	PERMIT TO OPERATE GRANTED
118077	M51159	07/18/1986	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	12/06/1983	PERMIT TO OPERATE GRANTED
118078	M51160	07/18/1986	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	12/06/1983	PERMIT TO OPERATE GRANTED
118077	M51159	07/18/1986	INACTIVE	22	CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	12/06/1983	PERMIT TO OPERATE GRANTED
118078	M51160	07/18/1986	INACTIVE	22	CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	12/06/1983	PERMIT TO OPERATE GRANTED
Z00110	905001	05/01/1983	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	01/01/1990	PERMIT TO OPERATE GRANTED
Z00110	905001	05/01/1983	INACTIVE	90	CCAT	AMINE (OR DEA) REGENERATION	01/01/1990	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 11726 GE ENGINE SERVICES
Status: Active
MR: 1206 SIC: 3724 Team: I
Last Inspection: 04/06/2012 On Hold: N Suspended: N TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: HANZ ZARIFA (909) 3915474 RECLAIM: N TITLE V: N AIRS ID: Assignment: 1298595
Location Address: 1923 E AVION DR, ONTARIO 91761-7766 Sector:EE Inspector: HR01 HAROLD RANK
Mailing Address: 1923 E AVION DR, ONTARIO 91761-7766 Sector:EE Inspection Date: 04/06/2012
Instruction: Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
00721E	E03290	11/13/1979	INACTIVE	000208	BCAT	DIP TANK COATING MISC	01/01/1990	PERMIT TO OPERATE GRANTED
00722E	E03291	11/13/1979	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	01/01/1990	PERMIT TO OPERATE GRANTED
00723E	E03292	11/13/1979	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	01/01/1990	PERMIT TO OPERATE GRANTED
00721E	E03290	11/13/1979	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	01/01/1990	PERMIT TO OPERATE GRANTED
00722E	E03291	11/13/1979	INACTIVE	75	CCAT	BAGHOUSE, AMBIENT TEMP (>100-500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED
00723E	E03292	11/13/1979	INACTIVE	75	CCAT	BAGHOUSE, AMBIENT TEMP (>100-500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED
00720E	E03289	11/13/1979	INACTIVE	000221	BCAT	DEGREASER 1,1,1 TRICHLOROETHANE (>1LB/D)	01/01/1900	PERMIT TO OPERATE GRANTED
00724E	E03293	11/13/1979	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	01/01/1900	PERMIT TO OPERATE GRANTED
00725E	E03294	11/13/1979	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	01/01/1900	PERMIT TO OPERATE GRANTED
00726E	E03295	11/13/1979	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	01/01/1900	PERMIT TO OPERATE GRANTED
00727E	E03296	11/13/1979	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	01/01/1900	PERMIT TO OPERATE GRANTED
00720E	E03289	11/13/1979	INACTIVE	10	CCAT	SOLVATION UNIT	01/01/1900	PERMIT TO OPERATE GRANTED
00724E	E03293	11/13/1979	INACTIVE	75	CCAT	BAGHOUSE, AMBIENT TEMP (>100-500 SQ FT)	01/01/1900	PERMIT TO OPERATE GRANTED
00725E	E03294	11/13/1979	INACTIVE	75	CCAT	BAGHOUSE, AMBIENT TEMP (>100-500 SQ FT)	01/01/1900	PERMIT TO OPERATE GRANTED
00726E	E03295	11/13/1979	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
00727E	E03296	11/13/1979	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
00728E	E03297	11/13/1979	INACTIVE	62	CCAT	SPRAY BOOTH HIGH-WATER PAINT	01/01/1900	PERMIT TO OPERATE GRANTED
00729E	E03298	11/13/1979	INACTIVE	67	CCAT	SPRAY BOOTH METALLIZING	01/01/1900	PERMIT TO OPERATE GRANTED
00730E	E03299	11/13/1979	INACTIVE	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	01/01/1900	PERMIT TO OPERATE GRANTED
10555B	10555B	06/16/1976	INACTIVE	013700	BCAT	T-EN-OTHER, OTHER FUEL,	01/01/1900	PERMIT TO OPERATE GRANTED
10557B	10557B	06/16/1976	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	01/01/1900	PERMIT TO OPERATE GRANTED
20558B	20558B	06/16/1976	INACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	01/01/1900	PERMIT TO OPERATE GRANTED
10557B	10557B	06/16/1976	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
20558B	20558B	06/16/1976	INACTIVE	24	CCAT	CYCLONE	01/01/1900	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 116529 ONTARIO INT'L. AIRPORT - MAINTENANCE Status: DUPLICATE MR: SIC: 4511 Team:
Last Inspection: On Hold: N Suspended: N TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 2132 E AVION ST, ONTARIO 91761 Sector:EE Inspector:
Mailing Address: 2132 E AVION ST, ONTARIO 91761 Sector:EE Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 85310 LA CITY DEPT AIRPORTS,ONTARIO INT'036909 Status: DUPLICATE MR: SIC: 4580 Team:
Last Inspection: On Hold: Suspended: TS: Quarter: none - do not inspect
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 2132 E AVION ST., ONTARIO 91761 Sector:EE Inspector:
Mailing Address: 2132 E AVION PERMITS ST, ONTARIO 91761 Sector:EE Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 39787 BEECHCRAFT WEST
Status: Sold
MR: 0102 SIC: 5171 Team:
Last Inspection: 09/06/1991 On Hold: N
Suspended: N
TS: TS-82 Ref/Energy: Gasoline Bulk Loading
Quarter: none - do not inspect
Contact:
RECLAIM: N TITLE V: N AIRS ID:
Assignment:
Location Address: 2161 E AVION ST, ONTARIO 91761-7770 Sector:EE
Inspector:
Mailing Address: 2161 E AVION ST, ONTARIO 91761-7770 Sector:EE
Inspection Date:
Instruction:
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
215005				299900	BCAT	STORAGE TANK MISC MATERIALS	11/16/1989	APPLICATION CANCELLED, REFUND ALL FEES
215006				299900	BCAT	STORAGE TANK MISC MATERIALS	11/16/1989	APPLICATION CANCELLED, REFUND ALL FEES
215007				299900	BCAT	STORAGE TANK MISC MATERIALS	11/16/1989	APPLICATION CANCELLED, REFUND ALL FEES
215003	D68130	01/12/1993	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	11/16/1989	PERMIT TO OPERATE GRANTED
215004	D68049	01/11/1993	INACTIVE	240112	BCAT	BULK LOAD TRK (1 RACK)ETHYLENE DICHLORID	11/16/1989	PERMIT TO OPERATE GRANTED
218759	M95369	08/21/1990	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	12/21/1989	PERMIT TO OPERATE GRANTED
218759	M95369	08/21/1990	INACTIVE	91	CCAT	AMINE TREATING	12/21/1989	PERMIT TO OPERATE GRANTED
110362	M33007	09/16/1983	INACTIVE	240112	BCAT	BULK LOAD TRK (1 RACK)ETHYLENE DICHLORID	05/18/1983	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 39989 BEECHCRAFT WEST 039787 Status: DUPLICATE MR: 0102 SIC: 5171 Team:
Last Inspection: 10/15/1985 On Hold: Suspended: TS: TS-82 Ref/Energy: Gasoline Bulk Loading Quarter: none - do not inspect
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 2161 E AVION ST, ONTARIO 91761 Sector:EE Inspector:
Mailing Address: 2161 E AVION ST, ONTARIO 91761 Sector:EE Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 114338 MERCURY AIR GRP, MERCURY AIR CENTER, DBA Status: Active MR: 0102 SIC: 5171 Team: I
Last Inspection: 01/14/2010 On Hold: N Suspended: N TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: SHAWN A. BEAVER (714) 9888502 RECLAIM: N TITLE V: N AIRS ID: Assignment: 1148410
Location Address: 2161 E AVION ST, ONTARIO 91761-7770 Sector:EE Inspector: MR01 MANUEL REGALA
Mailing Address: 2161 E AVION ST, ONTARIO 91761-7770 Sector:EE Inspection Date: 01/14/2010
Instruction: Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
351943				248916	BCAT	MOBILE REFUEL STORAGE/DISPENSE GASOLINE	03/16/1999	APPLICATION CANCELLED, KEEP ALL FEES
351946				248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	03/16/1999	APPLICATION CANCELLED, KEEP ALL FEES
360306	N9363	07/18/2001	INACT_NR	248916	BCAT	MOBILE REFUEL STORAGE/DISPENSE GASOLINE	10/01/1999	PERMIT TO OPERATE GRANTED
360309	N8470	06/23/2000	INACT_NR	248916	BCAT	MOBILE REFUEL STORAGE/DISPENSE GASOLINE	10/01/1999	PERMIT TO OPERATE GRANTED
335009	N5502	12/19/1997	INACT_NR	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	11/14/1997	PERMIT TO OPERATE GRANTED
335011	F10899	12/19/1997	INACT_NR	240112	BCAT	BULK LOAD TRK (1 RACK)ETHYLENE DICHLORID	11/14/1997	PERMIT TO OPERATE GRANTED
335013	F10898	12/19/1997	INACT_NR	299900	BCAT	STORAGE TANK MISC MATERIALS	11/14/1997	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 162691 ATLANTIC AVIATION SERVICES
Status: Active
MR: SIC: Team: I
Last Inspection: 10/03/2012 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: TONY CASILLAS (909) 3902370 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1333008
Location Address: 2161 AVION ST, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 2161 AVION ST, ONTARIO 91761 Sector:EE
Inspection Date: 10/03/2012
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
508796	G7893	03/31/2010	INACT_NR	248126	BCAT	BULK LOADING/UNLOADING FUEL DISPENSING (1 RA	03/11/2010	PERMIT TO OPERATE GRANTED
508858	N25540	03/31/2010	INACT_NR	248916	BCAT	MOBILE REFUEL STORAGE/DISPENSE GASOLINE	03/11/2010	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 176236 AMERIFLIGHT LLC
Status: Active
MR: SIC: Team:
Last Inspection: 11/08/2013 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 0001 - inspect in 4th quarter, every year
Contact: PAUL HALTER (818) 8470000 x117 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1401603
Location Address: 2161 E AVION ST, ONTARIO 91761 Sector:EE
Inspector: JE01 JOHN ECKERT
Mailing Address: 4700 EMPIRE AVE, BURBANK 91505 Sector:VK
Inspection Date: 11/08/2013
Instruction:
Disposition: Inspection in progress, Disposition pending

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:32 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Status: Active
MR: 0104 SIC: 3724 Team: I
Last Inspection: 05/03/2011 On Hold: N Suspended: N TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: IRENE SANTOSCOY (909) 9375000 RECLAIM: N TITLE V: Y AIRS ID: 06071CA055 Assignment: 1234835
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE Inspector: HR01 HAROLD RANK
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE Inspection Date: 05/03/2011
Instruction: Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
462675				555008	BCAT	TITLE V PERMIT ADMIN-AMENDMENT	11/07/2006	BANKING/ PLAN GRANTED, NON BILLABLE
462676				000259	BCAT	OVEN, CURING (RULE 1401 TOXICS)	11/07/2006	APPLICATION CANCELLED, KEEP ALL FEES
454023				555002	BCAT	TITLE V PERMIT RENEWAL APPLICATION	02/23/2006	BANKING/ PLAN GRANTED, NON BILLABLE
341152				555001	BCAT	INITIAL TITLE V PERMIT APPLICATION	03/23/1998	BANKING/ PLAN GRANTED, NON BILLABLE
376915	F36249	01/09/2001	INACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UNDER	11/09/2000	PERMIT TO OPERATE GRANTED
376916	F36253	01/09/2001	INACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UNDER	11/09/2000	PERMIT TO OPERATE GRANTED
376917	F36255	01/09/2001	INACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UNDER	11/09/2000	PERMIT TO OPERATE GRANTED
376918	F36256	01/09/2001	INACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UNDER	11/09/2000	PERMIT TO OPERATE GRANTED
376915	F36249	01/09/2001	INACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s.	11/09/2000	PERMIT TO OPERATE GRANTED
376916	F36253	01/09/2001	INACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s.	11/09/2000	PERMIT TO OPERATE GRANTED
376917	F36255	01/09/2001	INACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s.	11/09/2000	PERMIT TO OPERATE GRANTED
376918	F36256	01/09/2001	INACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s.	11/09/2000	PERMIT TO OPERATE GRANTED
341149	F35578	12/06/2000	INACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	03/23/1998	PERMIT TO OPERATE GRANTED
341151	F34703	10/27/2000	INACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	02/23/1998	PERMIT TO OPERATE GRANTED
352626	F34664	10/26/2000	INACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	04/13/1999	PERMIT TO OPERATE GRANTED
311818	D97283	03/20/1996	INACTIVE	028000	BCAT	SOIL TREAT VAPOR EXTRACT GASOLINE UNDER	02/06/1996	PERMIT TO OPERATE GRANTED
311820	D97284	03/20/1996	INACTIVE	028000	BCAT	SOIL TREAT VAPOR EXTRACT GASOLINE UNDER	02/06/1996	PERMIT TO OPERATE GRANTED
311821	D97285	03/20/1996	INACTIVE	028000	BCAT	SOIL TREAT VAPOR EXTRACT GASOLINE UNDER	02/06/1996	PERMIT TO OPERATE GRANTED
311822	D97286	03/20/1996	INACTIVE	028000	BCAT	SOIL TREAT VAPOR EXTRACT GASOLINE UNDER	02/06/1996	PERMIT TO OPERATE GRANTED
311818	D97283	03/20/1996	INACTIVE	18	CCAT	ACTIVATED CARBON ADSORBER OTHER	02/06/1996	PERMIT TO OPERATE GRANTED
311820	D97284	03/20/1996	INACTIVE	18	CCAT	ACTIVATED CARBON ADSORBER OTHER	02/06/1996	PERMIT TO OPERATE GRANTED
311821	D97285	03/20/1996	INACTIVE	18	CCAT	ACTIVATED CARBON ADSORBER OTHER	02/06/1996	PERMIT TO OPERATE GRANTED
311822	D97286	03/20/1996	INACTIVE	18	CCAT	ACTIVATED CARBON ADSORBER OTHER	02/06/1996	PERMIT TO OPERATE GRANTED
287112	D78841	12/06/1993	INACTIVE	343900	BCAT	STORAGE TANK JET-A	11/15/1993	PERMIT TO OPERATE GRANTED
255988	D69216	02/03/1993	INACTIVE	000525	BCAT	REFINED OIL/WATER SEPARATOR	09/12/1991	PERMIT TO OPERATE GRANTED
145286	D64260	10/26/1992	INACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	06/04/1986	PERMIT TO OPERATE GRANTED
231564	D34734	12/17/1990	INACTIVE	332900	BCAT	STORAGE TANK FUEL OIL	06/28/1990	PERMIT TO OPERATE GRANTED
227600	D34735	12/17/1990	INACTIVE	341900	BCAT	STORAGE TANK JP-4	05/03/1990	PERMIT TO OPERATE GRANTED
201405	D12852	12/08/1989	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	06/02/1989	PERMIT TO OPERATE GRANTED
201406	D12853	12/08/1989	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	06/02/1989	PERMIT TO OPERATE GRANTED
201407	D12854	12/05/1989	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	06/02/1989	PERMIT TO OPERATE GRANTED
169570	D02488	09/21/1988	INACTIVE	248900	BCAT	STORAGE TANK GASOLINE	05/09/1988	PERMIT TO OPERATE GRANTED
169571	D02487	09/21/1988	INACTIVE	248900	BCAT	STORAGE TANK GASOLINE	05/09/1988	PERMIT TO OPERATE GRANTED
10556B	10556B	06/16/1976	INACTIVE	033709	BCAT	TURBINE ENGINE (>50 MW) OTHER FUEL	01/01/1990	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 110837 EMCON ASSOCIATES/ROY HAUGER
Status: Active
MR: SIC: Team: I
Last Inspection: 04/26/2017 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 0003 - inspect in 4th quarter, every three years
Contact: GUNNAR BREDEK (714) 7011112 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1621377
Location Address: 2264 AVION DR, ONTARIO 91761 Sector:EE
Inspector: VT01 VANESSA J. TANIK
Mailing Address: 3300 N SAN FERNANDO BLVD, BURBANK 91504 Sector:VK
Inspection Date: 04/26/2017
Instruction:
Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 151380 EXPRESSJET AIRLINES
Status: Active
MR:
SIC:
Team: I
Last Inspection: 10/03/2012
On Hold: N
Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha
Quarter: none - do not inspect
Contact: DAVE STAGGS (832) 6870328
RECLAIM: N
TITLE V: N
AIRS ID:
Assignment: 1333003
Location Address: 2475 AVION DR, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 4750 WORLD HOUSTON PKY, HOUSTON 77032
Inspection Date: 10/03/2012
Instruction:
Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
466815				041901 BCAT	I C E (50-500 HP) N-EM PORT N-RENT DIESE	03/23/2007	APPLICATION DENIED
466817				041901 BCAT	I C E (50-500 HP) N-EM PORT N-RENT DIESE	03/23/2007	APPLICATION DENIED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 58000 FEDERAL EXPRESS CORP
Status: Active
MR: 1301 SIC: 4520 Team: I
Last Inspection: 02/13/2019 On Hold: N Suspended: N TS: TS-31 Area Sources: Rule 222 Equipment
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: KRIS YOUNG (909) 9833841 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1739605
Location Address: 1801 AVION, ONTARIO 91761-8003 Sector:EE
Inspector: VT01 VANESSA J. TANIK
Mailing Address: 3620 HACKS CROSS BLDG B 2ND FL RD, MEMPHIS 38125-7113
Inspection Date: 02/13/2019
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On 2/13/19 at 1040 hrs, I arrived at Federal Express Corp (FID 5800) to conduct a compliance inspection. I met with Senior Technician Rick Soto (909-937-1712) who accompanied me during the inspection. I observed the following:

- All portable auxiliary engines that were >50 bhp were registered with PERP.

- The facility mainly uses aerosol paint for touch-ups and safety coatings. I observed Rustoleum Traffic Marking white paint (100 g/L VOC) and Sierra Performance Enamel in Safety Yellow (0 VOC) which are seldom used, compliant with R1113.

- The facility uses a small sink-type parts washer with ArmaKleen 4in1 solvent (21 g/L), compliant with R1171 and exempt per 219(o)

- On site is a small portable pressure washer (s/n 15117574) with a burner of unknown size that utilizes either kerosene or diesel. Mr. Soto believed the burner was diesel fired. I requested that Mr. Soto confirm the fuel and burner rating so that I could determine if a 222 registration would be required.

I departed the facility at 1115 hrs without taking any enforcement action.

Written by VTanik 2/13/19

Mr. Soto confirmed that the pressure washer had a diesel-fueled burner that was rated 169,000 BTU/hr. I called Mr. Soto to inform him that the washer would require a registration and mailed a copy of 222-PW along with NC E47393.

Reviewed by SB06

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:34 AM

Facility: 58000 FEDERAL EXPRESS CORP
Status: Active
MR: 1301 SIC: 4520 Team: I
Last Inspection: 02/13/2019 On Hold: N Suspended: N TS: TS-31 Area Sources: Rule 222 Equipment
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: KRIS YOUNG (909) 9833841 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1389356
Location Address: 1801 AVION, ONTARIO 91761-8003 Sector:EE
Inspector: JE01 JOHN ECKERT
Mailing Address: 3620 HACKS CROSS BLDG B 2ND FL RD, MEMPHIS 38125-7113
Inspection Date: 09/10/2013
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: 9/10/2013, I arrived at this facility to conduct an inspection and met with Rick Soto Sr. Technician 9099371712 who escorted me during my inspection. No 461 equipment on the premises.

I issued NC E23326 to apply for District Permit or CARB registration for diesel turbine air start portable engine asset # 29958 402 HP not operating during inspection which was new. I also issued this NC to maintain run time logs for other 9 PERP registered engines (10 total). This airstart was at 1.0 hrs and not operating.

Advised 4 PERP registered air starts were to expire on 10-31-2013. They are 140720, 62203, 62201 and 63489.

I sent e-mail to Manager jmshenouda@fedex.com re: NC and compliance.

1171

Blue safety kleen parts cleaners on the premises water based.

219 equipment

propane fired pressure washer

engines < 50 hp

Written by John Eckert 09-17-2013

10-17-2013 Performed followup inspection with Rick Soto and discovered air start turbine asset # 29958 is red tagged and n/o until permitted or registered. Facility keeping records of run times on air starts and GPUs. NC E23326 is in compliance. I also performed inspection on arranged inspection of PERP # 136812-2016 and discovered it is at John Wayne Airport in Santa Ana. It is not located at Ontario Airport. I updated PFIS and gave to Theresa for further followup in Santa Ana.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:34 AM

Facility: 58000 FEDERAL EXPRESS CORP
Status: Active
MR: 1301 SIC: 4520 Team: I
Last Inspection: 02/13/2019 On Hold: N Suspended: N TS: TS-31 Area Sources: Rule 222 Equipment
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: KRIS YOUNG (909) 9833841 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1389356
Location Address: 1801 AVION, ONTARIO 91761-8003 Sector:EE
Inspector: JE01 JOHN ECKERT
Mailing Address: 3620 HACKS CROSS BLDG B 2ND FL RD, MEMPHIS 38125-7113
Inspection Date: 09/10/2013
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

No further followup is necessary at this location.

Written by John Eckert 10-17-2013

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 58000 FEDERAL EXPRESS CORP
Status: Active
MR: 1301 SIC: 4520 Team: I
Last Inspection: 02/13/2019 On Hold: N Suspended: N TS: TS-31 Area Sources: Rule 222 Equipment
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: KRIS YOUNG (909) 9833841 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1113300
Location Address: 1801 AVION, ONTARIO 91761-8003 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 3620 HACKS CROSS BLDG B 2ND FL RD, MEMPHIS 38125-7113
Inspection Date: 06/12/2009
Instruction:
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On Friday, 6/12/2009, at approximately 0700 hrs., I arrived at this facility to conduct an inspection and metwith Ahgela Onodera, Manager, 909 937-6067 x318, who escorted me during my inspection. I delivered the 461 EVR packet and discovered they had removed their 461 equipment and the tank was holding diesel - 219 exempt. The only rules that apply are PERP. I inspected the 8 CARB certified pieces of equipment and filled out the necessary paperwork to be turned in to PERP. There were no new pieces of equipment on site.

O/C

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:35 AM

Facility: 11726 GE ENGINE SERVICES
Status: Active
MR: 1206 SIC: 3724 Team: I
Last Inspection: 04/06/2012 On Hold: N Suspended: N TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: HANZ ZARIFA (909) 3915474 RECLAIM: N TITLE V: N AIRS ID: Assignment: 1298595
Location Address: 1923 E AVION DR, ONTARIO 91761-7766 Sector:EE Inspector: HR01 HAROLD RANK
Mailing Address: 1923 E AVION DR, ONTARIO 91761-7766 Sector:EE Inspection Date: 04/06/2012
Instruction: Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: Harold Rank

On Friday, 4/6/2012, at 1345 hrs., I arrived at this facility to conduct an inspection. The building is closed and locked up with cobwebbs on the outsides of the doors. During a previous inspection I drove over to the other facility site on the base and I met with Gary Feer, Manager, 951 830-2374, who is known to me from previous inspections. He explained the site was closed several years ago and all the equipment removed to back east.

TS12

Reviewed 4/13/2012.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:35 AM

Facility: 11726 GE ENGINE SERVICES
Status: Active
MR: 1206 SIC: 3724 Team: I
Last Inspection: 04/06/2012 On Hold: N Suspended: N TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: HANZ ZARIFA (909) 3915474 RECLAIM: N TITLE V: N AIRS ID: Assignment: 1155253
Location Address: 1923 E AVION DR, ONTARIO 91761-7766 Sector:EE Inspector: HR01 HAROLD RANK
Mailing Address: 1923 E AVION DR, ONTARIO 91761-7766 Sector:EE Inspection Date: 02/22/2010
Instruction: Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: Harold Rank

On Monday, 2/22/2010, I arrived at this facility to conduct an inspection. The building is closed and locked up with cobwebbs on the outsides of the doors. I drove over to the other facility site on the base and I met with Gary Feer, Manager, 951 830-2374, who is known to me from previous inspections. He explained the site was closed several years ago and all the equipment removed to back east.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 114338 MERCURY AIR GRP, MERCURY AIR CENTER, DBA Status: Active MR: 0102 SIC: 5171 Team: I
Last Inspection: 01/14/2010 On Hold: N Suspended: N TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: SHAWN A. BEAVER (714) 9888502 RECLAIM: N TITLE V: N AIRS ID: Assignment: 1148410
Location Address: 2161 E AVION ST, ONTARIO 91761-7770 Sector:EE Inspector: MR01 MANUEL REGALA
Mailing Address: 2161 E AVION ST, ONTARIO 91761-7770 Sector:EE Inspection Date: 01/14/2010
Instruction: Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: 01/14/2010

1355 hrs - I arrived at Mercury Air Grp, located at 2161 Avion St., Ontario, CA 91761 and met with Tony Casillas, Operations Manager at Atlantic Aviation Services, who now occupies the location. Mr. Casillas, who is a former employee of Mercury Air Grp stated that Atlantic Aviation bought Mercury in 2007 and took over operation of the facility in 2008.

Mercury Air Grp is now out-of-business.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:36 AM

Facility: 162691 ATLANTIC AVIATION SERVICES
Status: Active
MR: SIC: Team: I
Last Inspection: 10/03/2012 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: TONY CASILLAS (909) 3902370 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1333008
Location Address: 2161 AVION ST, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 2161 AVION ST, ONTARIO 91761 Sector:EE
Inspection Date: 10/03/2012
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: Update - 1/3/2013.

Hello,

As per our conversation, Atlantic Aviation only uses one unloading hose as per their permit. The second hose has been removed and is not in use.

Tony Casillas

Atlantic Aviation-ONT

Operations Manager

(909)390-2370

F/U 10/26/2012 - I issued N/C E16306 to this facility for 203b for the mobil fueler to update their equipment operating logs to prove complaince with all the permit (N25540) limits.

On Wednesday, 10/03/2012, at 0845 hrs., I arrived at this facility to conduct an E/L inspection and met with Tony Casillas, Operations Manager at Atlantic Aviation Services, 909 390-2370, cell 951 892-5669, who now occupies the location. Mr. Casillas, who is a former employee of Mercury Air Group stated that Atlantic Aviation bought Mercury in 2007 and took over operation of the facility in 2008. This is a small aiport support company that is located at Ontario Airport. The rules that apply are 203 461.

G7893 - Bulk Loading, fuel and gasoline dispensing Jet A, Diesel Gasoline.

LIMITS - Jet A is 100K g/yr; Av Gas is 5K g/mo, 60K g/yr; gasoline is 5K g/mo, 60K g/yr.

N25540 - Mobil refueller - Gasoline. CARB certification sticker, reverification test done by franzhill on 7/18/2012.

LIMITS - 5K g/yr, records for vapor return line, gasoline pressure, cargo pressure, records to prove complaince with permit conditions o

The equipment matched the permit with the exceptions (N/C - E16294):

1. Tank farm permit G7893 has one Jet A dispenser listed and they have two.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

Facility: 162691 ATLANTIC AVIATION SERVICES
Status: Active
MR: SIC: Team: I
Last Inspection: 10/03/2012 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: TONY CASILLAS (909) 3902370 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1333008
Location Address: 2161 AVION ST, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 2161 AVION ST, ONTARIO 91761 Sector:EE
Inspection Date: 10/03/2012
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

2. Same has uncertified PV valve on the vent pipes.

3. Prove reverrification test done for UGST 461 system.

They have one GPU on site rated at 27 h.p 219 exempt.

No AS.

Reviewed by M. Sanchez on 10/24/12

Manny Regala

This is a Targeted 203 Inspection

01/14/2010

1355 hrs - I arrived at Mercury Air Grp, located at 2161 Avion St., Ontario, CA 91761 and met with Tony Casillas, Operations Manager at Atlantic Aviation Services, who now occupies the location. Mr. Casillas, who is a former employee of Mercury Air Grp stated that Atlantic Aviation bought Mercury in 2007 and took over operation of the facility in 2008.

Mercury Air Grp is now out-of-business.

Accompanied by Mr. Casillas, I observed 4 equipments, all in operation, all with INACTIVE P/Os:

1.Avgas and Jet A storage and dispensing system

2.Gasoline dispensing and storage

3.Mobile refuel storage/dispense gasoline

4.De-icing dispensing system

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:36 AM

Facility: 162691 ATLANTIC AVIATION SERVICES
Status: Active
MR: SIC: Team: I
Last Inspection: 10/03/2012 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: TONY CASILLAS (909) 3902370 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1333008
Location Address: 2161 AVION ST, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 2161 AVION ST, ONTARIO 91761 Sector:EE
Inspection Date: 10/03/2012
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

I showed Mr. Casillas the equipment list that shows these equipments have INACTIVE P/Os. Mr. Casillas does not have copies of the P/Os except for an invoice in from the AQMD in 2006 that list these P/Os. I told Mr. Casillas that I will get copies of eth P/Os and come back next day to issue an NOV.

01/15/2010

1425 hrs - I arrived at Atlantic Aviation Services, located at 2161 Avion St., Ontario, CA 91761 and met with Tony Casillas, Operations Manager. I issued NOV # P57102 to Atlantic Aviation for Rule 203(a), operating the following with INACTIVE P/Os:

1.Avgas and Jet A storage and dispensing system

2.Gasoline dispensing and storage

3.Mobile refuel storage/dispense gasoline

4.De-icing dispensing system

When I asked when Atlantic Aviation Services started operating these equipments, Mr. Casillas stated that they started operating as Atlantic Aviation Services on Feb. 1, 2008.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:36 AM

Facility: 162691 ATLANTIC AVIATION SERVICES
Status: Active
MR: SIC: Team: I
Last Inspection: 10/03/2012 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: TONY CASILLAS (909) 3902370 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1148402
Location Address: 2161 AVION ST, ONTARIO 91761 Sector:EE
Inspector: MR01 MANUEL REGALA
Mailing Address: 2161 AVION ST, ONTARIO 91761 Sector:EE
Inspection Date: 01/15/2010
Instruction:
Disposition: Notice Of Violation

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: Manny Regala

This is a Targeted 203 Inspection

01/14/2010

1355 hrs - I arrived at Mercury Air Grp, located at 2161 Avion St., Ontario, CA 91761 and met with Tony Casillas, Operations Manager at Atlantic Aviation Services, who now occupies the location. Mr. Casillas, who is a former employee of Mercury Air Grp stated that Atlantic Aviation bought Mercury in 2007 and took over operation of the facility in 2008.

Mercury Air Grp is now out-of-business.

Accompanied by Mr. Casillas, I observed 4 equipments, all in operation, all with INACTIVE P/Os:

1.Avgas and Jet A storage and dispensing system

2.Gasoline dispensing and storage

3.Mobile refuel storage/dispense gasoline

4.De-icing dispensing system

I showed Mr. Casillas the equipment list that shows these equipments have INACTIVE P/Os. Mr. Casillas does not have copies of the P/Os except for an invoice in from the AQMD in 2006 that list these P/Os. I told Mr. Casillas that I will get copies of eth P/Os and come back next day to issue an NOV.

01/15/2010

1425 hrs - I arrived at Atlantic Aviation Services, located at 2161 Avion St., Ontario, CA 91761 and met with Tony Casillas, Operations Manager. I issued NOV # P57102 to Atlantic Aviation for Rule 203(a), operating the following with INACTIVE P/Os:

1.Avgas and Jet A storage and dispensing system

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:36 AM

Facility: 162691 ATLANTIC AVIATION SERVICES
Status: Active
MR: SIC: Team: I
Last Inspection: 10/03/2012 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: TONY CASILLAS (909) 3902370 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1148402
Location Address: 2161 AVION ST, ONTARIO 91761 Sector:EE
Inspector: MR01 MANUEL REGALA
Mailing Address: 2161 AVION ST, ONTARIO 91761 Sector:EE
Inspection Date: 01/15/2010
Instruction:
Disposition: Notice Of Violation

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

2.Gasoline dispensing and storage

3.Mobile refuel storage/dispense gasoline

4.De-icing dispensing system

When I asked when Atlantic Aviation Services started operating these equipments, Mr. Casillas stated that they started operating as Atlantic Aviation Services on Feb. 1, 2008.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 176236 AMERIFLIGHT LLC
Status: Active
MR: SIC: Team:
Last Inspection: 11/08/2013 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 0001 - inspect in 4th quarter, every year
Contact: PAUL HALTER (818) 8470000 x117 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1401603
Location Address: 2161 E AVION ST, ONTARIO 91761 Sector:EE
Inspector: JE01 JOHN ECKERT
Mailing Address: 4700 EMPIRE AVE, BURBANK 91505 Sector:VK
Inspection Date: 11/08/2013
Instruction:
Disposition: Inspection in progress, Disposition pending

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 176236 AMERIFLIGHT LLC
Status: Active
MR: SIC: Team:
Last Inspection: 11/08/2013 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 0001 - inspect in 4th quarter, every year
Contact: PAUL HALTER (818) 8470000 x117 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1401603
Location Address: 2161 E AVION ST, ONTARIO 91761 Sector:EE
Inspector: JE01 JOHN ECKERT
Mailing Address: 4700 EMPIRE AVE, BURBANK 91505 Sector:VK
Inspection Date: 11/08/2013
Instruction:
Disposition: Inspection in progress, Disposition pending

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: 11-08-2013 Performed insp. with Paul Panagiotidis LA World Airports Supervisor 9095445254. Nobody was available at Ameriflight on the tarmac on east end of Ontario Airport next to Haven. Ameriflight operates two 6 cylinder gas GPUs which are old and probably from the 1970's. These engines were not operating. I believe both of these engines are greater than 50 HP. I left business card at this facilitys Ontario mailing address.

Engine # 1

Was at 5525 hrs and not operating. It had plate 554950 on the motor block or plate TE6015BA. No other identifying information was on this engine which was cold.

Engine # 2

Was at 6103.8 hrs and not operating. It had plate s/n 0218 on the motor block or plate F2T6015BA. No other identifying information was on this engine which was cold.

The following is e-mail correspondence with Operations Manager Paul Halter.

Good morning-

I missed your e-mail last week as I was on vacation. Attached is the purchase order for a new, less than 50 hp GPU, to replace the units in question. We've pushed the manufacturer to move us up on the waiting list as we're an existing customer. We're anticipating receiving this unit by the end of the month. In addition, we've rebuilt a battery cart and will be delivering it to ONT later this week.

Please let me know if I can be of further assistance.

Thanks

-Paul

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

Facility: 176236 AMERIFLIGHT LLC
Status: Active
MR: SIC: Team:
Last Inspection: 11/08/2013 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 0001 - inspect in 4th quarter, every year
Contact: PAUL HALTER (818) 8470000 x117 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1401603
Location Address: 2161 E AVION ST, ONTARIO 91761 Sector:EE
Inspector: JE01 JOHN ECKERT
Mailing Address: 4700 EMPIRE AVE, BURBANK 91505 Sector:VK
Inspection Date: 11/08/2013
Instruction:
Disposition: Inspection in progress, Disposition pending

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

From: John Eckert [mailto:JEckert@aqmd.gov]

Sent: Friday, November 08, 2013 17:45

To: Halter, Paul

Subject: Just to advise

Hello, I was able to inspect your engines today, and document hour meter readings on your 2 GPU's. These engines are not in compliance, and the District can pursue Notice of Violation if they are found to be operating without permit or registration. If the hour meters advance, it can be considered proof of operation and a subsequent Notice of Violation can be issued.

Does Ameriflight have a plan to deal with this issue ?

Thanks.

This needs further followup, since nobody is on the premises to deal with this issue.

Written by John Eckert 11-15-2013

01-21-2014 Performed inspection and contacted Jessie Garcia Line Service Tech 8183919874 at the Ontario Airport Office location on Avion drive north of mission. He advised old GPU's have been replaced with 25hp new GPU, and tarmac inspection at this time confirmed that these 2 old ICEs are not operating and have been replaced with small 25hp diesel new GPU. He advised he was in process of removing batteries and disabling old GPU's "today", and would followup with e-mail and pics tommorow of disabled engines. I determined this new GPU to be < 25hp from KVA rating on Gen Set during inspection.

Attached is e-mail from Paul Halter with Ameriflight:

Good morning-

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 176236 AMERIFLIGHT LLC
Status: Active
MR: SIC: Team:
Last Inspection: 11/08/2013 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 0001 - inspect in 4th quarter, every year
Contact: PAUL HALTER (818) 8470000 x117 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1401603
Location Address: 2161 E AVION ST, ONTARIO 91761 Sector:EE
Inspector: JE01 JOHN ECKERT
Mailing Address: 4700 EMPIRE AVE, BURBANK 91505 Sector:VK
Inspection Date: 11/08/2013
Instruction:
Disposition: Inspection in progress, Disposition pending

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Sorry I forgot to get back to you. We did receive, and are using, our new JetGO GPU that I sent you details on previously. The old units are no longer in use. You can get specifics at www.aerospecialties.com. Below are a few of the highlights that I've cut/pasted for you.

Diesel Generators

AERO JetGo 550Mti-RJ 28V DC Diesel Hybrid Ground Power Unit

"550 continuous amps at 28.5 volts DC

"2300 peak amp start capability

"Kubota 4-cylinder turbo-diesel engine

"EPA Tier 4i and EU Stage IIIA emissions compliant

"Aircraft over and under voltage protection with optional added soft-start capabilities

"Efficient fuel consumption: 0.8-1.5 gallons (3-6 liters) per hour (depending on load and atmospheric conditions)

"Extremely quiet: Less than 63db at 20 feet (at full load)

"Includes 30-foot MS3506 military spec output cable with standard NATO aircraft plug

JetGo Tier 4i low-emission nonroad diesel ground power units are exempt from both California Local Air District permits and the California Airborne Toxic Control Measure for Diesel Particulate Matter. The Kubota engines used are rated at less than 50 Horsepower and are therefore not regulated by California statutes.

Please let me know if you have any additional questions.

-Paul

Written by John Eckert 01-21-2014

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:37 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Status: Active
MR: 0104 SIC: 3724 Team: I
Last Inspection: 05/03/2011 On Hold: N Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: IRENE SANTOSCOY (909) 9375000 RECLAIM: N TITLE V: Y AIRS ID: 06071CA055
Assignment: 1234835
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspection Date: 05/03/2011
Instruction:
Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On Tuesday, 5/3/2011, at 0950 hrs., I arrived at this facility to conduct a Title V and Equipment list inspection. Prior to my arrival I had confirmed the site was O/B and had made arrangements with LAWA and GE to meet and walk the site. I met with Tammy Norwood, G. E. Regional Manager, (W- 620 442-3600, C - 620 222-5953) and George Raphael, LAWA Engineer, 909 223-6193 and they escorted me during my inspection. All of the buildings had been cleared of all equipment to the bare walls.

I reviewed the close out reports prepared by CH2Hill environmental and confirmed the soil treatment was legally removed along with all the other equipment. I have inserted her report and confirmed the dates included. The short story is they were completely out by December 28, 2010.

Mr. Rank,

This e-mail is to serve as a follow up to the final air inspection for our GE Aviation site located at 2264 E. Avion St, Ontario, CA. As you are aware, the facility has closed and this inspection was to verify that all equipment and emission sources had been removed. It is our understanding that this was the final process to formally close out our Title V air permit with SCAQMD. This final inspection included the following attendees: Tami Norwood (GE Aviation), George Raphael (LAWA) and Jim Rae (LAWA). In addition to a walk thru of the facility, records were reviewed. These records included: visible emissions log, test cell emissions log, VOC usage logs, soil vapor extraction well closure documentation, and the site's decommissioning report dated March 11, 2011.

The site tested its last engine on 8/31/2010. After this date, the site began to prepare for closure of the facility. The last day for the employees at the facility was 10/28/2010. On 11/1/2010, formal closure and decommissioning began at the site. This effort was coordinated by CH2MHill, a contractor hired by GE to coordinate the closure efforts.

The decommissioning efforts were finalized on 12/28/2010 and GE maintained control of the facility until 3/20/2011 when the lease expired and the property was formally turned back over to the Lessor, LA World Airports.

It has been great working with you. Please don't hesitate to give me a call if you have any questions.

Tami

Tami Norwood

EHS Leader - Strother

EHS Leader - Dallas & Ontario Test Facilities Business Practices & Compliance Leader - Strother GE Aviation Services - Strother

T 620 442 3600 ext 4331

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:37 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Status: Active
MR: 0104 SIC: 3724 Team: I
Last Inspection: 05/03/2011 On Hold: N Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: IRENE SANTOSCOY (909) 9375000 RECLAIM: N TITLE V: Y AIRS ID: 06071CA055
Assignment: 1234835
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspection Date: 05/03/2011
Instruction:
Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

F 513 786 1783

C 620 222 5953

D *871 4331

tamara.norwood@ge.com

7577 4th Street

Strother Field Industrial Park

Arkansas City, KS 67005, U.S.A.

General Electric Company

Reviewed by MV on 6/16/2011.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:37 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Status: Active
MR: 0104 SIC: 3724 Team: I
Last Inspection: 05/03/2011 On Hold: N Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: IRENE SANTOSCOY (909) 9375000 RECLAIM: N TITLE V: Y AIRS ID: 06071CA055
Assignment: 1175499
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspection Date: 06/17/2010
Instruction:
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: Harold Rank

On 6/17/2010, I inspected this facility with Gary Feer, Foreman, 909 605-7603. GE Engine Services conducts aircraft engine overhauls and testing. The majority of the facility is for aircraft engine maintenance/testing. I reviewed their records and they showed their facility has only done 2 engines since the first of this year, which generated less than 25 % of the permitted/emission limits. They are in compliance with their permit condition limits. The Vapor Extraction equipment is still off and disconnected/capped. The submitted their SAM and ACCreports on time. Mr. Feer explained that the plant was closing their doors by the end of the year for good and all employees will be either transferred, retired, or laid off. O/C

Harold Rank

On 8/19/2008, at 0800 hrs., I inspected this facility with Gary Feer, Foreman, 909 605-7603. GE Engine Services conducts aircraft engine overhauls and testing. The majority of the facility is for aircraft engine maintenance/testing. I reviewed their records and they showed their facility does generally less than 1 engine a month. which is less than 25 % of the emission limits. They are in compliance with their permit condition limits. The Vapor Extraction equipment was off and disconnected/capped. They said DTSC was out last week checking and may let them remove the equipment in the future. I told them to make sure it does not affect their Title V permit with an AQMD Engineer. O/C

Harold Rank

On 8/9/2007, at 0800 hrs., I inspected this facility with Tami Norwood, Regional Manager, 620 442-3600, and Mark Lineham, Manager, 909 605-7616. GE Engine Services conducts aircraft engine overhauls and testing. The majority of the facility is for aircraft engine maintenance. I reviewed their records and they showed their facility does less than 1 engine a month. which is less than 25 % of the emission limits. They are in compliance with their permit condition limits and are going to mark the permit numbers on the soil treatment devices for better tracking. O/C

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:37 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Status: Active
MR: 0104 SIC: 3724 Team: I
Last Inspection: 05/03/2011 On Hold: N Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: IRENE SANTOSCOY (909) 9375000 RECLAIM: N TITLE V: Y AIRS ID: 06071CA055
Assignment: 1135958
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspector: NI01 NYDIA IBARRA
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspection Date: 09/29/2009
Instruction:
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: 9/29/09

I arrived at GE Engine services for a Title V and annual compliance inspection.

GE Engine Services conducts aircraft engine overhauls and testing. The majority of the facility is for aircraft engine maintenance.

The two Jet Engine Test Facility/Test Cells, Permit F35578 and Permit F34664 are located at 2264 Avion Place. A test cell is a large engine mount with an exhaust stack. Neither Test Cells were in operation.

Records are maintained of fuel usage and this is used to calculate pollutant emissions based on engine-specific emission factors. Records show compliance with daily and 30-day average emissions. Soil units were not in operation at the time of my inspection and according to the facility have not been used in years.

Units were behind a locked gate and may be removed pending receival of appropriate permits (see previous inspectors IR.

All wipe cleaning of engines is done with acetone. No plating or painting is done on site.

All Title V annual and semi-annual compliance certifications have been submitted.

The facility is in compliance with District Rules and Regulations.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:37 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Status: Active
MR: 0104 SIC: 3724 Team: I
Last Inspection: 05/03/2011 On Hold: N Suspended: N TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: IRENE SANTOSCOY (909) 9375000 RECLAIM: N TITLE V: Y AIRS ID: 06071CA055 Assignment: 1063566
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE Inspector: HR01 HAROLD RANK
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE Inspection Date: 08/19/2008
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: Harold Rank

On 8/19/2008, at 0800 hrs., I inspected this facility with Gary Feer, Foreman, 909 605-7603. GE Engine Services conducts aircraft engine overhauls and testing. The majority of the facility is for aircraft engine maintenance/testing. I reviewed their records and they showed their facility does generally less than 1 engine a month. which is less than 25 % of the emission limits. They are in compliance with their permit condition limits. The Vapor Extraction equipment was off and disconnected/capped. They said DTSC was out last week checking and may let them remove the equipment in the future. I told them to make sure it does not affect their Title V permit with an AQMD Engineer. O/C

Harold Rank

On 8/9/2007, at 0800 hrs., I inspected this facility with Tami Norwood, Regional Manager, 620 442-3600, and Mark Lineham, Manager, 909 605-7616. GE Engine Services conducts aircraft engine overhauls and testing. The majority of the facility is for aircraft engine maintenance. I reviewed their records and they showed their facility does less than 1 engine a month. which is less than 25 % of the emission limits. They are in compliance with their permit condition limits and are going to mark the permit numbers on the soil treatment devices for better tracking. O/C

Nancy Gibson

September 30, 2005:

I arrived at GE Engine services for a Title V and annual compliance inspection. I met with Environmental Health & Safety Generalist Brett C. Boston and EHS Site Focal Point Bradley Grubbs. I was accompanied by both Mr. Boston and Mr. Grubbs during the facility inspection.

GE Engine Services conducts aircraft engine overhauls and testing. The majority of the facility is for aircraft engine maintenance. The two Jet Engine Test Facility/Test Cells, Permit F35578 and Permit F34664 are located at 2264 Avion Place. A test cell is a large engine mount with an exhaust stack. Test Cell #1 is not in operation at this time. Test Cell #1 has a stack height of 45 feet 7 inches. Test Cell #2 has a stack height of 58 feet and 2 inches (measured on previous inspection). Records are maintained of fuel usage and this is used to calculate pollutant emissions based on engine-specific emission factors. Records show compliance with daily and 30-day average emissions. Soil units were not in operation at the time of my inspection and are only operated on an as needed basis. Records are maintained of ppm concentrations based on readings from a PID.

All wipe cleaning of engines is done with acetone. No plating or painting is done on site. Rule 219 equipment includes <50 HP emergency generators.

All Title V annual and semi-annual compliance certifications have been submitted.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:37 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Status: Active
MR: 0104 SIC: 3724 Team: I
Last Inspection: 05/03/2011 On Hold: N Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: IRENE SANTOSCOY (909) 9375000 RECLAIM: N TITLE V: Y AIRS ID: 06071CA055
Assignment: 1063566
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspection Date: 08/19/2008
Instruction:
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

The facility is in compliance with District Rules and Regulations.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:37 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Status: Active
MR: 0104 SIC: 3724 Team: I
Last Inspection: 05/03/2011 On Hold: N Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: IRENE SANTOSCOY (909) 9375000 RECLAIM: N TITLE V: Y AIRS ID: 06071CA055
Assignment: 1006038
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspection Date: 08/09/2007
Instruction:
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: Harold Rank

On 8/9/2007, at 0800 hrs., I inspected this facility with Tami Norwood, Regional Manager, 620 442-3600, and Mark Lineham, Manager, 909 605-7616. GE Engine Services conducts aircraft engine overhauls and testing. The majority of the facility is for aircraft engine maintenance. I reviewed their records and they showed their facility does less than 1 engine a month. which is less than 25 % of the emission limits. They are in compliance with their permit condition limits and are going to mark the permit numbers on the soil treatment devices for better tracking. O/C

Nancy Gibson

September 30, 2005:

I arrived at GE Engine services for a Title V and annual compliance inspection. I met with Environmental Health & Safety Generalist Brett C. Boston and EHS Site Focal Point Bradley Grubbs. I was accompanied by both Mr. Boston and Mr. Grubbs during the facility inspection.

GE Engine Services conducts aircraft engine overhauls and testing. The majority of the facility is for aircraft engine maintenance. The two Jet Engine Test Facility/Test Cells, Permit F35578 and Permit F34664 are located at 2264 Avion Place. A test cell is a large engine mount with an exhaust stack. Test Cell #1 is not in operation at this time. Test Cell #1 has a stack height of 45 feet 7 inches. Test Cell #2 has a stack height of 58 feet and 2 inches (measured on previous inspection). Records are maintained of fuel usage and this is used to calculate pollutant emissions based on engine-specific emission factors. Records show compliance with daily and 30-day average emissions. Soil units were not in operation at the time of my inspection and are only operated on an as needed basis. Records are maintained of ppm concentrations based on readings from a PID.

All wipe cleaning of engines is done with acetone. No plating or painting is done on site. Rule 219 equipment includes <50 HP emergency generators.

All Title V annual and semi-annual compliance certifications have been submitted.

The facility is in compliance with District Rules and Regulations.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:38 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Status: Active
MR: 0104 SIC: 3724 Team: I
Last Inspection: 05/03/2011 On Hold: N Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: IRENE SANTOSCOY (909) 9375000 RECLAIM: N TITLE V: Y AIRS ID: 06071CA055
Assignment: 906085
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspector: NG02 NANCY GIBSON
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspection Date: 09/30/2005
Instruction:
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: Nancy Gibson

September 30, 2005:

I arrived at GE Engine services for a Title V and annual compliance inspection. I met with Environmental Health & Safety Generalist Brett C. Boston and EHS Site Focal Point Bradley Grubbs. I was accompanied by both Mr. Boston and Mr. Grubbs during the facility inspection.

GE Engine Services conducts aircraft engine overhauls and testing. The majority of the facility is for aircraft engine maintenance. The two Jet Engine Test Facility/Test Cells, Permit F35578 and Permit F34664 are located at 2264 Avion Place. A test cell is a large engine mount with an exhaust stack. Test Cell #1 is not in operation at this time. Test Cell #1 has a stack height of 45 feet 7 inches. Test Cell #2 has a stack height of 58 feet and 2 inches (measured on previous inspection). Records are maintained of fuel usage and this is used to calculate pollutant emissions based on engine-specific emission factors. Records show compliance with daily and 30-day average emissions. Soil units were not in operation at the time of my inspection and are only operated on an as needed basis. Records are maintained of ppm concentrations based on readings from a PID.

All wipe cleaning of engines is done with acetone. No plating or painting is done on site. Rule 219 equipment includes <50 HP emergency generators.

All Title V annual and semi-annual compliance certifications have been submitted.

The facility is in compliance with District Rules and Regulations.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:38 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Status: Active
MR: 0104 SIC: 3724 Team: I
Last Inspection: 05/03/2011 On Hold: N Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: IRENE SANTOSCOY (909) 9375000 RECLAIM: N TITLE V: Y AIRS ID: 06071CA055
Assignment: 890328
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspector: DC05 DEVORLYN D CELESTINE
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspection Date: 06/16/2005
Instruction:
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On June 16, 2005 I met with Bradley Grubbs, EHS Site Focal Point, for GE Engine services. The facility was in operation during the inspection. The soil vapor extraction equipment is located at 2264 Avion Place. The inspection revealed that there were no changes made to the equipment on site. The equipment was operating according to permit conditions. Geosyntec is still the consultant who operates and maintains the equipment and conducts the monitoring. The records of operation reveal that the equipment is operating according to permit conditions.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:38 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Status: Active
MR: 0104 SIC: 3724 Team: I
Last Inspection: 05/03/2011 On Hold: N Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: IRENE SANTOSCOY (909) 9375000 RECLAIM: N TITLE V: Y AIRS ID: 06071CA055
Assignment: 825477
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspector: DC05 DEVORLYN D CELESTINE
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspection Date: 05/13/2004
Instruction:
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On May 13, 2004, I arrived at 1923 Avion Street, and met with Rob Meyers, EHS Manager for GE Engine Services. I informed Mr. Meyers of the compliance inspection of the VOC vapor extraction equipment. The facility is aircraft engine repair shop. The facility was in operation during the inspection.

Permitted VOC extraction unit F36249 was in operation and in compliance with permit limit. The other three units are permanently in place in various locations around the test cell facility. Based upon the plume and migration pattern if necessary the other units be placed in operation. The average flow rate is 122 scfm which is in compliance with permit conditions. Operation and maintenance is done on a weekly basis as well as there is a field service check by the Geosyntec the consultant for this equipment. Records are readily available for inspection.

The facility is in compliance with all Soil Treat Vapor extraction equipment.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:38 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Last Inspection: 05/03/2011 On Hold: N
Contact: IRENE SANTOSCOY (909) 9375000
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Instruction:

Status: Active
Suspended: N
RECLAIM: N
TS: TS-12 Industrial Sources - Out of Business and Cha
TITLE V: Y
AIRS ID: 06071CA055

MR: 0104 SIC: 3724 Team: I
Quarter: none - do not inspect
Assignment: 777022
Inspector: NG02 NANCY GIBSON
Inspection Date: 08/05/2003
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On August 5, 2003, I arrived at GE Engine Services for an equipment check for Engineer Jim Fakhoury and a Title V compliance inspection.

GE Engine Services conducts aircraft engine overhauls and testing. The majority of the facility is for engine maintenance. I met with Mr. Rolando Espejo (909/937-5311), Environmental Health & Safety Generalist and Dr. Phil Wang (909/937-6731).

The two Jet Engine Test Facility/Test Cells, Permit F35578 and Permit F34664 are located at 2264 Avion Place. A test cell is a large engine mount wit an exhaust stack. Test Cell #1 was not operating and the stack height was measured at 45 feet 7 inches. Test Cell #2 was in operation during the inspection and the height was measured at 58 feet 2 inches. The test cell height was required by Engineer Jim Fakhoury for Title V evaluation. Records are maintained of fuel usage and this is used to calculate pollutant emissions based on engine-specific emission factors. Records show compliance with daily and 30-day average emissions. Soil units were not in operation at the time of my inspection and are only operated on an as needed basis. Records are maintained of ppm concentrations based on readings from a PID.

All wipe cleaning of engines is done with acetone. No plating or painting is done on site. Rule 219 equipment includes glove box abrasive blast cabinets and <50 HP emergency generators.

All Title V annual and semi-annual compliance certifications have been submitted.

The facility is in compliance with District Rules and Regulations.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: swalko

SCAQMD Facility Equipment List Report

Run Date : 09/08/2021 07:39 AM

Facility: 61160 GE ENGINE SERVICES, LLC
Status: Active
MR: 0104 SIC: 3724 Team: I
Last Inspection: 05/03/2011 On Hold: N Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha Quarter: none - do not inspect
Contact: IRENE SANTOSCOY (909) 9375000 RECLAIM: N TITLE V: Y AIRS ID: 06071CA055
Assignment: 706116
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspector: BK01 BRETT KIMBERLY
Mailing Address: 2264 AVION PL, ONTARIO 91761 Sector:EE
Inspection Date: 05/24/2002
Instruction:
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On May 24, 2002 with Supervising Inspector Rich Watson, I arrived for an annual Title V inspection. The facility's Title V permit became official in October 2001. We met with Theresa Du Bois, EHS Specialist, and a temporary EHS Specialist named Stacy, whose last name I didn't acquire. The facility conducts aircraft engine overhauls and testing. A majority of the property is for engine maintenance. The 2 test cells and the soil vapor units are at 2264 Avion Place. A test cell is just an engine mount with an exhaust stack. Test cell #1 has not been operated for many months and #2 had been operated the day before the inspection. Records are maintained of fuel usage and this is used to calculate pollutant emissions based on engine-specific emission factors. Records show compliance with daily and 30-day average emissions. Soil unit "A" was in operation with an air flow rate of 141 cfm, in compliance with permit limit. Records are maintained of ppm concentrations based on readings from a PID. The soil units are only operated as needed. They currently have a consultant on-site all day to monitor the soil equipment.

All wipe cleaning of engines is done with acetone. There is no painting or plating. Rule 219 equipment include glove box abrasive blast cabinets and <50 HP emergency generators.

The company submitted the Title V annual and semi-annual compliance certifications on the same form with both check boxes marked. I informed Mr. Du Bois that they need to submit separate forms with only one box checked for each report. No notices were issued.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 110837 EMCON ASSOCIATES/ROY HAUGER
Status: Active
MR: SIC: Team: I
Last Inspection: 04/26/2017 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 0003 - inspect in 4th quarter, every three years
Contact: GUNNAR BREDEK (714) 7011112 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1621377
Location Address: 2264 AVION DR, ONTARIO 91761 Sector:EE
Inspector: VT01 VANESSA J. TANIK
Mailing Address: 3300 N SAN FERNANDO BLVD, BURBANK 91504 Sector:VK
Inspection Date: 04/26/2017
Instruction:
Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT:

On 4/26/17 at 1300 hrs, I arrived at 2264 Avion Dr, Ontario to conduct an inspection for Emcon Associates (FID 110837). This facility is out of business at this location.

No permits listed on the equipment list.

Written by VTanik 4/26/17

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 110837 EMCON ASSOCIATES/ROY HAUGER
Status: Active
MR: SIC: Team: I
Last Inspection: 04/26/2017 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 0003 - inspect in 4th quarter, every three years
Contact: GUNNAR BREDEK (714) 7011112 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1423365
Location Address: 2264 AVION DR, ONTARIO 91761 Sector:EE
Inspector: JE01 JOHN ECKERT
Mailing Address: 3300 N SAN FERNANDO BLVD, BURBANK 91504 Sector:VK
Inspection Date: 03/26/2014
Instruction:
Disposition: Not Operating - Equipment Still On Site

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: 03-26-2014 Performed inspection, and could not tell if engine is on the premises. Facility is closed, and this may require further followup. Facility TS-11.

Written by John Eckert 04-10-2014

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 151380 EXPRESSJET AIRLINES
Status: Active
MR:
SIC:
Team: I
Last Inspection: 10/03/2012
On Hold: N
Suspended: N
TS: TS-12 Industrial Sources - Out of Business and Cha
Quarter: none - do not inspect
Contact: DAVE STAGGS (832) 6870328
RECLAIM: N
TITLE V: N
AIRS ID:
Assignment: 1333003
Location Address: 2475 AVION DR, ONTARIO 91761 Sector:EE
Inspector: HR01 HAROLD RANK
Mailing Address: 4750 WORLD HOUSTON PKY, HOUSTON 77032
Inspection Date: 10/03/2012
Instruction:
Disposition: Out of Business

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On Wednesday, 10/03/2012, at 1105 hrs., I arrived at this facility to conduct an E/L inspection and met no one because the facility had closed. No signs/forwarding info.

Reviewed by M. Sanchez on 10/24/12

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District

NC E47393

Run Date : 9/8/2021 07:40:54

Company

Facility:	FEDERAL EXPRESS CORP (ID: 58000)
Location Address:	1801 AVION ONTARIO, CA 91761-8003
Mailing Address:	1801 AVION ONTARIO, CA 91761
AIRS ID	

Violation

Notice Issued Date:	4/12/2019
Violation Date:	4/12/2019
Serve To:	RICK SOTO
Title:	SENIOR TECHNICIAN
Issue By:	VANESSA J. TANIK (Team: I)
Assignment No.:	1759125
Compliance Achieved Date:	05/16/2019
Equipment Description:	
Compliance Requirements:	Submit 222 registration for pressure washer with diesel buurner rated less than 500,000 BTU/hr

Disposition

Final Action Code:	CLO 9/10/2019 00:00:00
Due Date:	4/26/2019
Violation Days:	0

Rule/Comment

222

Emittent

Follow-Up

Status: NONOPERATE Inspector ID: VT01 Inspection Date: 05/16/19 00:00 Number:

Device IDs.

Inspector Comment

equipment removed from service

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC E29065

Run Date : 9/8/2021 07:41:05

Company

Facility:	FEDERAL EXPRESS CORP (ID: 58000)
Location Address:	1801 AVION ONTARIO, CA 91761
Mailing Address:	3620 HACKS CROSS RD, BLDG B, 2ND FL, TN 38125
AIRS ID	

Violation

Notice Issued Date:	8/18/2015
Violation Date:	8/18/2015
Serve To:	ART FRANCO
Title:	MECHANIC
Issue By:	SHAWN BENNAGE (Team: I)
Assignment No.:	1510097
Compliance Achieved Date:	
Equipment Description:	
Compliance Requirements:	Correct serial number on PERP registration 158548

Disposition

Final Action Code:	CLO 1/4/2016 00:00:00
Due Date:	9/18/2015
Violation Days:	0

Rule/Comment

TITLE13ARTICLE5SCorrect serial number

Emittent

Follow-Up

Status: INCOMP Inspector ID: SB06 Inspection Date: Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC E27615

Run Date : 9/8/2021 07:41:18

Company

Facility:	FEDERAL EXPRESS CORP (ID: 58000)
Location Address:	4511 EMPIRE ST, HANGAR #4 BURBANK, CA 91505
Mailing Address:	3620 HACKS CROSS ROAD, BLDG B, TN 38125-7113
AIRS ID	

Violation

Notice Issued Date:	7/18/2014
Violation Date:	7/9/2014
Serve To:	MS. CATHY THOMAS
Title:	VEHICLE FLEET MANAGER
Issue By:	NICOLE SILVA (Team:)
Assignment No.:	1454713
Compliance Achieved Date:	08/05/2014
Equipment Description:	
Compliance Requirements:	Submit FORM 8 to CARB to request a correction to the engine decription for Registration #144313 (epa family is 8CEXL0275AAG)

Disposition

Final Action Code:	CLO 9/17/2014 00:00:00
Due Date:	8/1/2014
Violation Days:	0

Rule/Comment

TITLE13ARTICLE5S(g)

Emittent

Follow-Up

Status: INCOMP Inspector ID: NS03 Inspection Date: 08/05/14 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC E23326

Run Date : 9/8/2021 07:41:28

Company

Facility:	FEDERAL EXPRESS CORP (ID: 58000)
Location Address:	1801 AVION ONTARIO, CA 91761-8003
Mailing Address:	
AIRS ID	

Violation

Notice Issued Date:	9/10/2013
Violation Date:	9/10/2013
Serve To:	RICK SOTO
Title:	SR. TECHNICIAN
Issue By:	JOHN ECKERT (Team: I)
Assignment No.:	1389372
Compliance Achieved Date:	10/17/2013
Equipment Description:	portable air start turbine diesel 402 hp, air starts and GPUs
Compliance Requirements:	submit permit app. or CARB registration for air start diesel turbine asset # 29958 rated at 402 hp model MSU-200, s/n 534, maintain run time logs for registered equipment

Disposition

Final Action Code:	CLO 10/17/2013 00:00:00
Due Date:	9/24/2013
Violation Days:	0

Rule/Comment

203
PERP 2458

Emittent

Follow-Up

Status: INCOMP Inspector ID: JE01 Inspection Date: 10/17/13 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

South Coast Air Quality Management District

NC E11900

Run Date : 9/8/2021 07:41:36

Company

Facility:	FEDERAL EXPRESS CORP (ID: 58000)
Location Address:	1801 AVION ONTARIO, CA 91761
Mailing Address:	1801 AVION ONTARIO, CA 91761
AIRS ID	

Violation

Notice Issued Date:	9/21/2012
Violation Date:	9/11/2012
Serve To:	RICK SOTO
Title:	
Issue By:	SHAWN BENNAGE (Team: I)
Assignment No.:	1329316
Compliance Achieved Date:	12/28/2012
Equipment Description:	
Compliance Requirements:	Correct serial number on PERP registration 158548.

Disposition

Final Action Code:	CLO 12/28/2012 00:00:00
Due Date:	10/5/2012
Violation Days:	0

Rule/Comment

TITLE13ARTICLE5SCorrect serial number on PERP registration 158548

Emittent

Follow-Up

Status: INCOMP Inspector ID: SB06 Inspection Date: 12/28/12 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC D24368

Run Date : 9/8/2021 07:41:43

Company

Facility:	FEDERAL EXPRESS CORP (ID: 58000)
Location Address:	1801 AVION ONTARIO, CA 91761
Mailing Address:	3620 HACKS CROSS, BLDG B, 2NDFLOOR, RD, TN 38125-7113
AIRS ID	

Violation

Notice Issued Date:	5/20/2009
Violation Date:	5/20/2009
Serve To:	RICK SOTO
Title:	SENIOR TECHNICIAN
Issue By:	SHAWN BENNAGE (Team: I)
Assignment No.:	1117250
Compliance Achieved Date:	06/17/2009
Equipment Description:	
Compliance Requirements:	Provide records for CARB registration 146788 and 146789

Disposition

Final Action Code:	CLO 6/17/2009 00:00:00
Due Date:	6/20/2009
Violation Days:	0

Rule/Comment

PERP 2458 Provide records for portable ICE

Emittent

Follow-Up

Status: INCOMP Inspector ID: SB06 Inspection Date: 06/17/09 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC A14642

Run Date : 9/8/2021 07:41:52

Company

Facility:	FEDERAL EXPRESS CORP (ID: 58000)
Location Address:	1801 AVION ONTARIO
Mailing Address:	1801 AVION 91761-800
AIRS ID	

Violation

Notice Issued Date:	1/6/1995
Violation Date:	1/6/1995
Serve To:	FEDERAL EXPRESS CORP
Title:	
Issue By:	GRETA L GRIER (Team: S)
Assignment No.:	486121
Compliance Achieved Date:	
Equipment Description:	AS GIVEN
Compliance Requirements:	INSTALL RUBBER RING/CASKET IN FILL CAP OF U/L GASOLINE TANK.INSTALL ADD DECALS IN FUELING STATION (I.E. TOXIC RISK) OBTAIN CERTIFIED COPY OF P/O M89141

Disposition

Final Action Code:	
Due Date:	
Violation Days:	0

Rule/Comment

41960.2 H&S: GASOLINE NOZZLE SYSTEM COMPONENTS
461 GASOLINE TRANSFER & DISPENSING

Emittent

Follow-Up

Status: Inspector ID: Inspection Date: Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

South Coast Air Quality Management District

NC A10500

Run Date : 9/8/2021 07:42:00

Company

Facility:	FEDERAL EXPRESS CORP (ID: 58000)
Location Address:	1801 AVION ONTARIO
Mailing Address:	1801 AVION 91761-800
AIRS ID	

Violation

Notice Issued Date:	4/14/1994
Violation Date:	4/14/1994
Serve To:	FEDERAL EXPRESS CORP
Title:	
Issue By:	RICK GLUCK (Team: L1)
Assignment No.:	484739
Compliance Achieved Date:	
Equipment Description:	GPU
Compliance Requirements:	SUBMIT APP FOR 2 GPU IF GREATER THAN 50 HP, AND VERIFY COMPLIANCE WITH R. 1171. PREVENT VAPORS FROM ESCAPING FROM SOLVENT CONTAINER BY COVER OR VALVE WHEN NOT IN USE.

Disposition

Final Action Code:	
Due Date:	
Violation Days:	0

Rule/Comment

1171	SOLVENT CLEANING OPERATIONS
203	PERMIT OPERATE OR CONDITIONS

Emittent

Follow-Up

Status: Inspector ID: Inspection Date: Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NOV Z34021

Run Date : 9/8/2021 07:42:33

Company

Facility:	GEN ELECTRIC CO, AVIATION SERV OPER (ID: 11726)
Location Address:	ONTARIO INTL AIRPORT ONTARIO
Mailing Address:	ONTARIO INTL AIRPORT ONTARIO 91761-000
AIRS ID	

Violation

Notice Issued Date:	6/1/1988
Violation Date:	6/1/1988
Serve To:	
Title:	CYNTHIA A. PAULO
Issue By:	JOYCE D HILL (Team: I)
Assignment No.:	536284
Equipment Description:	TRICHLOROETHANE STORAGE TANK

Violation:

Disposition

Final Action Code:	CLO 10/18/1988 00:00:00
Achieved Date:	
Due Date:	
Violation Days:	0

Rule/Comment

201 FAILURE TO OBTAIN PE TO CONSTRUCT

Emittent

Follow-Up

Status: Inspector ID: Inspection Date: Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

South Coast Air Quality Management District

NC A21911

Run Date : 9/8/2021 07:42:42

Company

Facility:	GENERAL ELECTRIC CO (ID: 11726)
Location Address:	1923 E AVION, DR ONTARIO
Mailing Address:	1923 E AVION, DR 91761-776
AIRS ID	

Violation

Notice Issued Date:	9/29/1995
Violation Date:	9/22/1995
Serve To:	GENERAL ELECTRIC CO
Title:	
Issue By:	CARMELITA G BENITEZ (Team: X)
Assignment No.:	488754
Compliance Achieved Date:	
Equipment Description:	109 AND 42303
Compliance Requirements:	SUBMIT FLOW DIAGRAM/INFO ON ALL EQUIPMENT VENTED TO SCRUBBERWITH P.O. E03290; AND START KEEPING RECORDS OF USAGE OF VOC-CONTAINING PENETRANT SPRAY IN EA OF THE 6 TESTING BOTTLE

Disposition

Final Action Code:	
Due Date:	
Violation Days:	0

Rule/Comment

109	RECORD KEEPING
42303	H&S: SUPPLY INFO,PLANS,SPECS,ETC

Emittent

Follow-Up

Status:	Inspector ID:	Inspection Date:	Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC C85310

Run Date : 9/8/2021 07:43:06

Company

Facility:	LA CITY DEPT AIRPORTS,ONTARIO INT'036909 (ID: 85310)
Location Address:	2132 E AVION, ST. ONTARIO, CA 91761
Mailing Address:	2132 E AVION PERMITS, ST ONTARIO, CA 91761
AIRS ID	

Violation

Notice Issued Date:	3/25/2003
Violation Date:	3/25/2003
Serve To:	VILMA GIRON
Title:	MANAGER
Issue By:	ASHKAAN NIKRAVAN (Team: C)
Assignment No.:	756616
Compliance Achieved Date:	05/14/2003
Equipment Description:	
Compliance Requirements:	HAVE SOURCE TEST CONDUCTED TO ENSURE/VERIFY COMPLIANCE W/NOX LIMIT OF 30 PPM. REPAIR/REPLACE MANOMETER TO GOOD WORKING CONDITION. REPAIR/PLACE MANOMETER TO GOOD WORKING CONDITION.

Disposition

Final Action Code:	
Due Date:	4/8/2003
Violation Days:	0

Rule/Comment

203 (b)

Emittent

Follow-Up

Status: INCOMP Inspector ID: AN01 Inspection Date: 05/14/03 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC C73045

Run Date : 9/8/2021 07:43:46

Company

Facility:	MERCURY AIR GRP, MERCURY AIR CENTER, DBA (ID: 114338)
Location Address:	2161 E AVION, ST ONTARIO, CA 91761-7770
Mailing Address:	, CA
AIRS ID	

Violation

Notice Issued Date:	11/30/2001
Violation Date:	11/30/2001
Serve To:	SHAWN BEAVER
Title:	GEN MGR.
Issue By:	MICHELLE MIRAMONTEZ (Team: I)
Assignment No.:	682405
Compliance Achieved Date:	
Equipment Description:	
Compliance Requirements:	PROVIDE REVERIFICATION TESTS IN MOBILE FUELERS AND UNDERGROUND STORAGE TANK; PROVIDE THRU PUT ON ALL MOBILE FUELERS AND ALL STORAGE TANKS; PROVIDE DAILY OPERATING LOGS FOR GAUGE LEVELS IN P/O N9363.

Disposition

Final Action Code:	
Due Date:	12/14/2001
Violation Days:	0

Rule/Comment

42303
461

Emittent

Follow-Up

Status:	Inspector ID:	Inspection Date:	Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

South Coast Air Quality Management District

NOV P57102

Run Date : 9/8/2021 07:44:27

Company

Facility:	ATLANTIC AVIATION SERVICES (ID: 162691)
Location Address:	2161 AVION, ST ONTARIO, CA 91761
Mailing Address:	2161 AVION, ST ONTARIO, CA 91761
AIRS ID	

Violation

Notice Issued Date:	1/15/2010
Violation Date:	11/5/2009
Serve To:	TONY CASILLAS
Title:	OPERATION MANAGER
Issue By:	MANUEL REGALA (Team: I)
Assignment No.:	1148380
Equipment Description:	1. Avgas and Jet A storage and dispensing system 2. Gasoline dispensing and storage 3. Mobile refuel storage/dispense gasoline
Violation:	Operating 3 equipment with INACTIVE P/Os

Disposition

Final Action Code:	CLO 7/22/2010 00:00:00
Achieved Date:	04/22/2010
Due Date:	
Violation Days:	0

Rule/Comment

203 (A)

Emittent

Follow-Up

Status: INCOMP Inspector ID: MR01 Inspection Date: 04/22/10 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

01/15/2010

1425 hrs - I arrived at Atlantic Aviation Services, located at 2161 Avion St., Ontario, CA 91761 and met with Tony Casillas, Operations Manager. I issued NOV # P57102 to Atlantic Aviation for Rule 203(a), operating 3 equipment with INACTIVE P/Os:

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC E16306

Run Date : 9/8/2021 07:44:38

Company

Facility:	ATLANTIC AVIATION SERVICES (ID: 162691)
Location Address:	2161 AVION, ST ONTARIO, CA 91761
Mailing Address:	2161 AVION, ST ONTARIO, CA 91761
AIRS ID	

Violation

Notice Issued Date:	10/26/2012
Violation Date:	10/26/2012
Serve To:	TONY CASILLAS
Title:	MGR
Issue By:	HAROLD RANK (Team: I)
Assignment No.:	1335935
Compliance Achieved Date:	01/03/2013
Equipment Description:	
Compliance Requirements:	update mobil refueler records to prove compliance with permit conditions

Disposition

Final Action Code:	CLO 1/3/2013 00:00:00
Due Date:	11/9/2012
Violation Days:	0

Rule/Comment

203 update mobil refueler records to prove compliance with permit conditions

Emittent

Follow-Up

Status: INCOMP Inspector ID: HR01 Inspection Date: 01/03/13 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC E16294

Run Date : 9/8/2021 07:44:47

Company

Facility:	ATLANTIC AVIATION SERVICES (ID: 162691)
Location Address:	2161 AVION, ST ONTARIO, CA 91761
Mailing Address:	2161 AVION, ST ONTARIO, CA 91761
AIRS ID	

Violation

Notice Issued Date:	10/3/2012
Violation Date:	10/3/2012
Serve To:	JACK PATTERSON
Title:	MGR
Issue By:	HAROLD RANK (Team: I)
Assignment No.:	1333007
Compliance Achieved Date:	01/03/2013
Equipment Description:	
Compliance Requirements:	203b for Update tank farm permit to include 2nd Jet A fuel. 461 replace uncertified PV valve,need reverification test results

Disposition

Final Action Code:	CLO 1/3/2013 00:00:00
Due Date:	10/17/2012
Violation Days:	0

Rule/Comment

203	203b for Update tank farm permit to include 2nd Jet A fuel. Reverification tes
461	461 replace uncertified PV valve,need reverification test results

Emittent

Follow-Up

Status: INCOMP Inspector ID: HR01 Inspection Date: 01/03/13 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NOV P68660

Run Date : 9/8/2021 07:52:44

Company

Facility:	ONTARIO INTERNATIONAL AIRPORT AUTHORITY (ID: 183415)
Location Address:	1923 E AVION, ST ONTARIO, CA 91761-7771
Mailing Address:	1923 E AVION, ST ONTARIO, CA 91761
AIRS ID	06071CA195

Violation

Notice Issued Date:	11/22/2019
Violation Date:	7/1/2019
Serve To:	MARK THORPE
Title:	CEO
Issue By:	CHRISTIAN FIELDING (Team: MS)
Assignment No.:	1803165
Equipment Description:	
Violation:	Failure to acquire and have credited to the facility sufficient RTCs to reconcile its quarterly NOx emissions in the first quarter, NOx emissions exceeding OIAAs annual allocation

Disposition

Final Action Code:	
Achieved Date:	08/07/2020
Due Date:	
Violation Days:	0

Rule/Comment

2004 (b)(1) (d)(1)

Emittent

Follow-Up

Status: INCOMP Inspector ID: CB11 Inspection Date: 08/07/20 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

Execeedance deduction completed on 12/11/2019. Facility is in compliance.

Prepared by Christer Baluyot, 08/07/2020

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

South Coast Air Quality Management District

NC E46191

Run Date : 9/8/2021 07:53:40

Company

Facility:	ONTARIO INTERNATIONAL AIRPORT AUTHORITY (ID: 183415)
Location Address:	2132 E AVION, ST ONTARIO, CA 91761
Mailing Address:	2132 E AVION, ST ONTARIO, CA 91761
AIRS ID	06071CA195

Violation

Notice Issued Date:	12/6/2018
Violation Date:	12/6/2018
Serve To:	CHRIS WALLER
Title:	CONSULTANT
Issue By:	BRANDON ILEDAN (Team: X)
Assignment No.:	1726485
Compliance Achieved Date:	12/06/2018
Equipment Description:	
Compliance Requirements:	Submit PERP Appointment Request form for all newly registered and renewed PERP equipment.

Disposition

Final Action Code:	CLO 12/6/2018 00:00:00
Due Date:	12/20/2018
Violation Days:	0

Rule/Comment

PERP 2460 (b)(1)

Emittent

Follow-Up

Status: INCOMP Inspector ID: BI01 Inspection Date: 12/06/18 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

South Coast Air Quality Management District

NC E00120

Run Date : 9/8/2021 07:54:34

Company

Facility:	FED EXPRESS - BURBANK (ID: 160064)
Location Address:	1801 AVION ONTARIO, CA 91761
Mailing Address:	3620 HACKS CROSS ROAD, BLDG B, 2 FL, TN 38125
AIRS ID	

Violation

Notice Issued Date:	7/30/2010
Violation Date:	7/30/2010
Serve To:	STEVE GROEN
Title:	FLEET MAINTENANCE MANAGER
Issue By:	TERRY ALLEN (Team: I)
Assignment No.:	1184074
Compliance Achieved Date:	08/24/2010
Equipment Description:	Portable ICE (GPU) Registration # 136812
Compliance Requirements:	Keep registration certificate with operating conditions on site; Placard affixed to unit

Disposition

Final Action Code:	CLO 8/24/2010 00:00:00
Due Date:	8/18/2010
Violation Days:	0

Rule/Comment

TITLE13ARTICLE5S2453(f), 2453(n)

Emittent

Follow-Up

Status: INCOMP Inspector ID: TA01 Inspection Date: 08/24/10 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC D10891

Run Date : 9/8/2021 07:55:10

Company

Facility:	EXPRESSJET AIRLINES (ID: 151378)
Location Address:	2475 E AVION ST. ONTARIO, CA 91710
Mailing Address:	4750 WORLD HOUSTON, PKY, TX 77032
AIRS ID	

Violation

Notice Issued Date:	1/16/2008
Violation Date:	1/10/2008
Serve To:	RONALD SCHULTZ
Title:	DIR. OF ENV. AFFAIRS
Issue By:	JACK CHENG (Team: X)
Assignment No.:	1028696
Compliance Achieved Date:	01/28/2008
Equipment Description:	
Compliance Requirements:	Reschedule Appointment, Affix registration cert and sticker, provide proof of engine make, model, SN for Unit SC 74

Disposition

Final Action Code:	CLO 1/28/2008 00:00:00
Due Date:	2/1/2008
Violation Days:	0

Rule/Comment

42303 Provide proof of engine make, model, and SN for unit SC74
TITLE13ARTICLE5SSS2453 - affix registration identification on all equipment, reschedule appointm

Emittent

Follow-Up

Status: INCOMP Inspector ID: JC11 Inspection Date: 01/28/08 00:00 Number:

Device IDs.

Inspector Comment

Mailed photographs showing compliance with item #2 and #3. Item #1 will be rescheduled. JC11 2/1/08

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: swalko

South Coast Air Quality Management District

NC C75198

Run Date : 9/8/2021 07:55:54

Company

Facility:	TEG., THE ENVIRONMENTAL GROUP (ID: 114667)
Location Address:	2132 AVION, DR ONTARIO, CA 91761
Mailing Address:	190070 S REYES, AVE RANCHO DOMINGUEZ, CA 90220
AIRS ID	

Violation

Notice Issued Date:	2/7/2002
Violation Date:	2/6/2002
Serve To:	CATHY TAYLOR
Title:	OPERATOR
Issue By:	DEVORLYN D CELESTINE (Team: Y)
Assignment No.:	688093
Compliance Achieved Date:	03/08/2002
Equipment Description:	ASBESTOS
Compliance Requirements:	SUBMIT A REVISED NOTIFICATION WITH THE FOLLOWING CORRECTION: BLDG PRIOR USE; CONTACT PERSON NAME (EMPLOYEE OF LAWA), PHONE #, SITE SUPV NAME; AND ACTUAL PROJECT DATES.

Disposition

Final Action Code:	
Due Date:	2/21/2002
Violation Days:	0

Rule/Comment

1403

Emittent

Follow-Up

Status: INCOMP Inspector ID: DC05 Inspection Date: 03/08/02 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC C12685

Run Date : 9/8/2021 07:56:21

Company

Facility:	CITY OF L.A. DEPT OF AIRPORTS (ID: 36909)
Location Address:	2132 E AVION, ST ONTARIO
Mailing Address:	2132 E AVION, ST ONTARIO 90000
AIRS ID	06071CA195

Violation

Notice Issued Date:	11/3/1989
Violation Date:	
Serve To:	CITY OF L.A. DEPT OF AIRP ORTS
Title:	
Issue By:	SHAMSUL HASAN (Team:)
Assignment No.:	496068
Compliance Achieved Date:	
Equipment Description:	RECORDS
Compliance Requirements:	

Disposition

Final Action Code:	
Due Date:	
Violation Days:	0

Rule/Comment

42303

Emittent

Follow-Up

Status:	Inspector ID:	Inspection Date:	Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC C02879

Run Date : 9/8/2021 07:56:37

Company

Facility:	CITY OF L.A. DEPT OF AIRPORTS (ID: 36909)
Location Address:	2132 E AVION, ST ONTARIO
Mailing Address:	2132 E AVION, ST 90000
AIRS ID	06071CA195

Violation

Notice Issued Date:	11/30/1988
Violation Date:	
Serve To:	CITY OF L.A. DEPT OF AIRP ORTS
Title:	
Issue By:	
Assignment No.:	491962
Compliance Achieved Date:	
Equipment Description:	GAS DISP EQUIP.
Compliance Requirements:	

Disposition

Final Action Code:	
Due Date:	
Violation Days:	0

Rule/Comment

461

Emittent

Follow-Up

Status:	Inspector ID:	Inspection Date:	Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC C02878

Run Date : 9/8/2021 07:57:04

Company

Facility:	CITY OF L.A. DEPT OF AIRPORTS (ID: 36909)
Location Address:	2132 E AVION, ST ONTARIO
Mailing Address:	2132 E AVION, ST 90000
AIRS ID	06071CA195

Violation

Notice Issued Date:	11/30/1988
Violation Date:	
Serve To:	CITY OF L.A. DEPT OF AIRP ORTS
Title:	
Issue By:	
Assignment No.:	491961
Compliance Achieved Date:	
Equipment Description:	DIESEL TANK
Compliance Requirements:	

Disposition

Final Action Code:	
Due Date:	
Violation Days:	0

Rule/Comment

203A

Emittent

Follow-Up

Status: Inspector ID: Inspection Date: Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

South Coast Air Quality Management District

NC A10482

Run Date : 9/8/2021 07:57:30

Company

Facility:	LA CITY, ONTARIO AIRPORT (ID: 36909)
Location Address:	2132 E AVION, DR ONTARIO
Mailing Address:	2132 E AVION, DR 91761-777
AIRS ID	06071CA195

Violation

Notice Issued Date:	2/2/1994
Violation Date:	2/2/1994
Serve To:	LA CITY, ONTARIO AIRPORT
Title:	
Issue By:	RICK GLUCK (Team: L1)
Assignment No.:	484722
Compliance Achieved Date:	
Equipment Description:	ICE
Compliance Requirements:	SUBMIT P/C FOR 2 ICE AIR COMP. IF >50 hp;MAINT.OPERATING LOGFOR EM.ICE GEN;SUBMIT P/C FOR EM.ICE GEN.AT FIS BLDG&TERM.1 IF >50 HP;VERIFY HP OF PORT ICE POWERED PAINT STRIPPER&USAGE

Disposition

Final Action Code:	
Due Date:	
Violation Days:	0

Rule/Comment

1110.1	STATIONARY INTERNAL COMBUSTION ENGINES
1146.1	NOX FROM SMALL BOILERS & HEATERS
1415	CFC FROM STATIONARY REFRIG & AIR CONDITIONING
203	PERMIT OPERATE OR CONDITIONS

Emittent

Follow-Up

Status:	Inspector ID:	Inspection Date:	Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

SCAQMD Complaint Report

Complaint 159939

Run Date: 9/8/2021 09:50:08

Receive By:	SAMV on 6/13/2003 07:11:18	Assignment No:	767677
Assign By:	samv on 6/13/2003 07:12:46	Inspector:	DEVORLYN D CELESTINE (DC05)
Dispatch On:	6/13/2003	Instruction:	CALL COMPLAINANT TO ACCOMPANY YOU TO SITE
Team:	X		
Type:	ASBESTOS		
Inspection Date			
Description:	LOOSE FRIABLE ASBESTOS ALL OVER THE PLACE; WANTS UNTRAINED WORKERS TO PICK IT UP		

Instance Start Date:

Instance End Date:

Complainant

First Name: [redacted]

Address:

Phone:

Alleged Source

Name: ONTARIO AIRPORT

Address: 2132 E AVION ST, Unit CARPENTRY SHOP, ONTARIO, CA 91798 (Sector SH)

Actual Source

Name: ONTARIO AIRPORT

Address: 2132 E AVION ST, ONTARIO, CA 91798 (Sector SH)

Facility TS:

Disposition

NC on 6/20/2003 14:58:49

Inspector Comment

On June 13, 2003 I received complaint #159939 alleging that workers were exposed to asbestos containing materials. I arrived at 2132 E. Avion Street, Ontario and met with the complainant.

The area in question is the Terminal One west end basement. The complainant stated that some of [redacted] workers on the 12th of June were told to enter an area that was known to have asbestos containing materials and put down plastic covering on the floor. When I arrived at the terminal area, I observed a locked door with a sign on it stating that asbestos was present. Upon entering the area I observed that the area itself is a boiler room with three additional rooms that held storage material. The door to the other room also had a sign on it stating that asbestos was present. The first room had floor tile that had been disturbed in a few places and the floor was covered in plastic. The second room has metal cabinet shelving and books. The floor covering for the most part was intact. The third room was the size of a small closet with broken floor covering material at the entrance of the room.

I met with Ralph Morones, Director of Maintenance Ontario International Airport. I explained to him that I was there because of a complaint filed alleging that workers were working in an environment that exposed them to asbestos. Mr. Morones stated a test was done on May 29, 2002, by the Headquarters Risk Management Group. He then showed me a copy of a Bulk sample Analysis Summary sheet from Hygeia laboratories Inc. The summary sheet was vague and did not contain enough information and there was no chain of custody nor were the samples taken by a CAC.

I issued a Notice to Comply#86692 to Ralph Morones. The notice to comply stated the prior to continuing the renovation conduct an asbestos survey by a CAC (include air sampling of the basement located at Ontario Terminal West One west end. Fax the survey results to D. Celestine 909 396-3342.

If the survey verified the presence of asbestos stabilize and secure the affected area . Submit a procedure 5 plan prior to any clean up. Then submit the following records: name of staff that placed hazard placard on the doors of the basement and a list of the staff who have entered the facility and training certificates since the hazard placards were placed on the doors.

INSPECTOR: signature _____ DATE: _____

SUPERVISOR: signature _____ DATE: _____

User ID: swalko

SCAQMD Complaint Report

Complaint 159939

Run Date: 9/8/2021 09:50:08

On June 25, 2003 I reviewed the paperwork submitted by Francisco Esquivel, IH. A CAC was hired and conducted bulk sampling and air sampling as per the NTC. Based upon the reported submitted by the CAC the facilty is in compliance. No further compliance action is necessary.

INSPECTOR: signature _____ DATE: _____

SUPERVISOR: signature _____ DATE: _____

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
P.O. BOX 4944
Diamond Bar, California 91765-0944

FORM 400A

NC/NOV NUMBER ____
INSPECTOR ____ SECTOR ____
ISSUE DATE ____

COMPANY INFORMATION

LEGAL NAME OF APPLICANT
FEDERAL EXPRESS CORPORATION
☐ IRS OR ☐ S.S. NUMBER

PERMIT TO BE ISSUED TO: (SEE INSTRUCTIONS)
FEDERAL EXPRESS CORPORATION

BUSINESS MAILING ADDRESS
1801 E. AVION, ONTARIO, CA. 91761

TYPE OF ORGANIZATION
☒ CORPORATION ☐ LIMITED PARTNERSHIP ☐ GOVERNMENT ENTITY
☐ INDIVIDUAL ☐ GENERAL PARTNERSHIP ☐ OTHER

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ YES ☒ NO
AVERAGE ANNUAL GROSS RECEIPTS:
NUMBER OF EMPLOYEES:
IS YOUR BUSINESS 51 PERCENT OR MORE WOMAN/MINORITY OWNED? (OPTIONAL) ☐ YES ☐ NO

ARE ALL FACILITIES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL RULES? ☐ YES ☐ NO

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ YES ☐ NO
☐ IRS OR ☐ S.S. NUMBER OF THE OWNER
IF NO, ENTER LEGAL NAME OF OWNER

FACILITY INFORMATION

EQUIPMENT ADDRESS/LOCATION
1801 E. AVION
NUMBER / STREET
ONTARIO CA 91761
CITY OR COMMUNITY ZIP CODE

FACILITY NAME
FEDERAL EXPRESS CORPORATION
FACILITY ID NUMBER (SEE INSTRUCTIONS)
95882 00

CONTACT PERSON AND TITLE
KRIS YOUNG/SENIOR MANAGER
CONTACT TELEPHONE NUMBER
(909) 983-3841
NUMBER OF EMPLOYEES AT THIS FACILITY:

TYPE OF BUSINESS AT THIS FACILITY
PACKAGE DELIVERY SERVICE
BUSINESS TYPE CODE (SEE INSTRUCTIONS) 4520
IS THERE A SCHOOL WITHIN 1,000 FEET OF YOUR PROPERTY?
YES ☐ NO ☒

EQUIPMENT INFORMATION

EQUIPMENT DESCRIPTION (SEE INSTRUCTIONS)
DETROIT DIESEL, 1033-7005, GSBL90-141

APPLICATION FOR: (SEE INSTRUCTIONS)
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☒ EXISTING EQUIPMENT OPERATING WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE?
☒ YES ☐ NO

HAVE YOU BEEN ISSUED A NOTICE TO COMPLY (NC) OR A NOTICE OF VIOLATION (NOV) FOR THIS EQUIPMENT? ☐ YES ☐ NO
NC NUMBER: A10500 NOV NUMBER: NOTICE ISSUE DATE:
NUMBER OF EMPLOYEES NEEDED TO OPERATE THIS EQUIPMENT: 1

IF THE EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF PERMITTEE: ____ PREVIOUS PERMIT NUMBER: ____

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED COST OF:
BASIC EQUIPMENT $ AIR POLLUTION CONTROL EQUIPMENT $

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED START DATE: ESTIMATED COMPLETION DATE:

FOR CHANGE OF PERMITTEE, LOCATION OR CONDITION, ENTER DATE OF OCCURRENCE:
FOR EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT, ENTER INITIAL OPERATION DATE:

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? ☐ YES ☐ NO
IF YES, ENTER NAME: AND SUBMIT A COPY IF APPROVED
DO YOU CLAIM CONFIDENTIALITY OF DATA ? (SEE INSTRUCTIONS) ☐ YES ☒ NO

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT

SIGNATURE
OFFICIAL TITLE OF SIGNER: SENIOR MANAGER
TYPE OR PRINT NAME OF SIGNER: KRIS YOUNG
TELEPHONE NUMBER: (909) 983-3841
DATE: 05/26/95

SCAQMD USE ONLY

APPLICATION NUMBER 305058 TYPE B C D EQUIPMENT CATEGORY NUMBER 04040 ASSIGNMENT UNIT J ENGINEER CLASS I II III IV ENF. SECT.

ENGR. A DATE 7/7/95 INITIAL DTH ENGR. C DATE 7/7/95 INITIAL SW FEE SCHEDULE $ 215 B VALIDATION 7-6-95 DH 6-12-95 SW CHECK OR MONEY ORDER NUMBER 491436 AMOUNT 1453.00

90281 5/90

DISTRIBUTION - WHITE - ENGINEERING - CANARY - ENFORCEMENT - PINK - APPLICANT

4827433 2 1 2 218.00

S.C.A.Q.M.D.
ENGINEERING

'95 JUL -6 P5:11

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

INTERNAL COMBUSTION ENGINE INFORMATION TO ACCOMPANY PERMIT APPLICATION FORM 400-A

(SEE REVERSE SIDE FOR APPLICATION INSTRUCTIONS)

1. BUSINESS LICENSE NAME: Federal Express

2. ENGINE MANUFACTURER, MODEL NUMBER & SERIAL NUMBER: (ATTACH MANUFACTURER'S CATALOG)
Detroit Diesel, 1033-7005, GSBL90-141

3. UTILIZATION OF ENGINE: (X) ELECTRICAL GENERATOR [ ] FIRE PUMP [ ] RENTAL
(CHECK ALL BOXES WHICH APPLY) [ ] COMPRESSOR DRIVER [ ] FLOOD CONTOL (X) PORTABLE
[ ] PUMP DRIVER [ ] OTHER _____

4. ENGINE DESCRIPTION: NUMBER OF CYLINDERS 4
(X) TWO CYCLE OR [ ] FOUR CYCLE
[ ] LEAN BURN OR [ ] RICH BURN
[ ] TURBOCHARGED [ ] TURBOCHARGED/AFTERCOOLED [ ] NATURALLY ASPIRATED

5. FUEL INFORMATION: AIR TO FUEL RATIO 31.98
[ ] NATURAL GAS [ ] GASOLINE [ ] LPG (X) DIESEL OIL
[ ] DIGESTER GAS [ ] LANDFILL GAS [ ] OTHER _____
FUR CONTENT OF DIGESTER GAS, LANDFILL GAS OR DIESEL: _____

6. MAXIMUM RATED FULL LOAD FUEL CONSUMPTION: 6.39 (GAL/HR) OR _____ (CU.FT/HR)
AVERAGE LOAD PERCENTAGE: _____ %

7. ENERGY RECOVERY FROM EXHAUST: [ ] YES (X) NO
IF YES, PLEASE EXPLAIN:

8. ENGINE SIZE (MANUFACTURER'S RATING): 109 BHP @ 1800 RPM

9. EMISSION CONTROL DEVICE: [ ] YES (X) NO
IF YES, PLEASE SPECIFY:

10. EMISSION DATA

POLLUTANTS	EMISSION BEFORE CONTROL GR/BHP HR	PPM	LB/DAY	EMISSION AFTER CONTROL GR/BHP HR	PPM	LB/DAY
ROG						
NOX						
CO						
PM						

[ ] MANUFACTURER DATA [ ] SOURCE TEST DATE _____ (PLEASE PROVIDE COPY)

11. STACK OR VENT DATA:
DIMENSIONS: HEIGHT ABOVE GRADE _____ (FT) HEIGHT ABOVE BUILDING _____ (FT)
CROSS SECTION*: DIAMETER _____ (IN) OR WIDTH _____ (IN) LENGTH _____ (IN)
EXHAUST TEMPERATURE 960 (°F)
STACK SERVES: a. (X) ONLY THIS EQUIPMENT EXHAUST FLOW RATE 890 (CFM)
b. [ ] OTHER EQUIPMENT ALSO** TOTAL FLOW RATE _____ (CFM)
* MEASURED AT THE ATMOSPHERIC EXHAUST OPENING EXHAUST PRESSURE _____ (INCHES H_2O)
**IF THIS ITEM IS CHECKED, SUBMIT TYPE AND RATING OF ALL OTHER EQUIPMENT EXHAUSTED THROUGH THIS VENT OR STACK.

12. OPERATING SCHEDULE: 8 (HR/DAY) 5 (DAYS/WEEK) 52 (WEEKS/YEAR)
MAXIMUM OPERATING HOURS: 10 (HR/DAY)
[ ] EMERGENCY ONLY (INDICATE HRS OPERATED FOR TESTING & MAINTENANCE) _____

THE ABOVE INFORMATION IS SUBMITTED TO DESCRIBE THE USE OF THE EQUIPMENT FOR WHICH APPLICATION FOR PERMIT IS BEING MADE ON THE ACCOMPANYING FORM 400-A

SIGNATURE OF RESPONSIBLE MEMBER OF FIRM: _____ DATE 5/26/95

TYPE OR PRINT NAME AND OFFICIAL TITLE OF PERSON SIGNING THIS DATA FORM

NAME: Kris Young

TITLE: Senior Manager

APPLICATION INSTRUCTIONS
FOR
INTERNAL COMBUSTION ENGINE

FILL OUT REVERSE SIDE AND RETURN WITH YOUR APPLICATION

With each application for permit for the above equipment type, the following information must be submitted:

1. **EQUIPMENT LOCATION DRAWING FOR EQUIPMENT TO OPERATED ONLY AT A SINGLE LOCATION.** The drawing submitted must be to scale (suggested scale: 1" = 100 feet; accuracy of measurements to the nearest 5 feet will be satisfactory) and must show at least the following:

   a. The facility property boundaries, and heights of all buildings within the property.
   b. Identify the location of the above equipment on the property. Indicate the direction of the discharge from the above equipment.
   c. Indicate the location of adjacent property, indicating street names. Show location of all buildings and automobile parking lots outside the property that are within 600 feet of the above equipment. Identify all such buildings (such as residences, apartment homes, machine shop, warehouse, etc.), specifying height of each building (number of stories). Indicate direction (north) on the drawing.

2. **DRAWINGS AND SPECIFICATIONS** of the above equipment. Furnish the manufacturer's catalog for the model and serial number specified on the reverse side of this form.

NOTE: Structural design calculations and details are not required. When standard commercial equipment is to be installed, the manufacturer's catalog describing the equipment may be submitted by the applicant. **ADDITIONAL INFORMATION MAY BE REQUIRED.**

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731 (818) 572-6116

00/00 EB

(14)

Application for Permit to Construct & Permit to Operate
Gasoline Storage & Dispensing Facility - Rule 461

PERMIT TO BE ISSUED TO: 1 NC#

☒ CORPORATION ☐ PARTNERSHIP ☐ INDIV. OWNERSHIP

Federal Express Corp.

LOCATION ADDRESS: 2

1801 AVION ONTARIO CA ZIP 91761

LOCATION CENTER: (CHECK ONE BOX ONLY)

3 LOS ANGELES ☐1 ORANGE ☐2 RIVERSIDE ☐3 SAN BERNARDINO ☒4

MAILING ADDRESS:

4 1801 AVION ONTARIO

MAILING CITY: 5 ONTARIO

MAILING STATE: 6 CA

MAILING ZIP CODE: 7 91761

APPLICATION TYPE: (CHECK ONE BOX ONLY) OLD ID#

NEW FACILITY ☒1 ALTERATION ☐2 CHANGE OF OWNERSHIP ☐3

8 ALTERATIONS: # Tanks Add ____ Removed ____ # Nozzles ADD ____ Remove ____

BUSINESS TYPE (CHECK ONE BOX ONLY) ☐4 WITH OTHER SCAQMD PERMITS ☐5

9 RETAIL ☐1 CONSUMER ACCOUNT ☑2 GOVERNMENT AGENCY ☐3

BOARD OF EQUALIZATION NUMBER 10

TANK INFORMATION (SEE REVERSE PAGE FOR INSTRUCTION CODES)

NUMBER OF TANKS	12	THRUPUT (LEADED) G/YR		TANK TYPE	☑1
GAS ☐	13	THRUPUT (UNLEADED) 150,000 G/YR	16	See Reverse	☐2
GASOHOL ☐	14	THRUPUT (GASOHOL) G/YR			
11 DIESEL ☐	15	THRUPUT (DIESEL) 30,000 G/YR		FILL TYPE	☑1
METHANOL ☐	15a	THRUPUT (METHANOL) G/YR	17	See Reverse	☐2

19 CONTROL TYPE See Reverse 91

NUMBER OF NOZZLES: 18 GASOLINE ONLY 3

INSTALLATION DATE: 20

VAPOR RECOVERY SYSTEMS (SEE REVERSE PAGE FOR INSTRUCTIONS)

ONLY PHASE I ☐1 ONLY PHASE II ☐2 exempt ☐5

BOTH PHASE I & II ☑3

21

7/28/87 Hosley

SIGNATURE John F. Crane JR DATE 6-8-87

PRINT JOHN F. CRANE JR

Application No. 159545

22

LOCATION GEO:

23

TELEPHONE: ( )

24

AQMD USE ONLY

AIR BASIN: 25 COAST ☐1 EAST ☐2

UTM: 26

ENG: 27 SECTION: 28

PERMIT CODE 29 ☐

CONTROLS: BALANCE ☐1 ASSIST ☐2 30

FEE NUMBER: 31

INSPECTION CODE: 32

TRANSACTION CODE:

TRANS. NO. 351
CHECK NO. 2008
AMOUNT

33

RECEIVED 6-8-87

34 58000

APPLICATION INSTRUCTIONS FOR GASOLINE STORAGE & DISPENSING FACILITIES—RULE 461

WHO MUST APPLY FOR A PERMIT:

Any person installing, or using one or more gasoline tanks with capacities of more than 251 gallons which are filled from tank-truck or trailer. Gasoline is defined as any petroleum distillate with a Reid vapor pressure of 3.9 pounds or more.

WHEN TO APPLY:

Prior to installation or alteration and prior to use if ownership or location is changes.

HOW TO APPLY:

A. Use Form 450 for each facility to be constructed, altered or change of ownership.

B. Except as noted every applicant filing for a permit shall pay a filing fee of $75 at the time the application is filed.
   1. When an application for change of ownership is filed within 12 months from the date of transfer, and a permit had previously been granted for such equipment, in lieu of filing fee and initial permit fee, the applicant shall pay only a transfer fee of $75.00 for each permit unit being transferred from on person to another, payable at the time the application is filed.
   2. A fee is not required of a state or local governmental agency or public district.

C. Make checks payable to South Coast AQMD.

D. Fill in blanks and give all information requested on Form 450. Submit the completed form, properly signed by a responsible member of the organization.

E. Any vapor-recovery system being installed must be of a type certified by the California Air Resources Board. Submit drawings that show how the vapor piping is to be installed and give details of dispensing nozzles, vapor-return connectors and vapor-processing systems (if any).

INSTRUCTION CODES

FILL TYPE 17	[✓] Phase I Submerged fill	= Vapor recovery during filling of storage containers. = Fill-pipe discharge opening is submerged at a liquid level of 6 inches; or for tank loaded from side, entirely submerged at a liquid level of 18 inches.
	[2] Offset fill	= Truck discharge connection is located away from the underground tank and the fill-line to the tank has an abrupt mechanical bend.
TANK TYPE 16	[✓] Underground	[2] Above Ground

TYPE VAPOR CONTROL SYSTEM 19 — Phase II

Balance Standard	90	Red Jacket Standard	81	Hirt Standard	83	Hasstech	85
Balance Retractor ✓	91	Red Jacket Retractor	82	Hirt Retractor	84	Healy	86
Balance Hi Hose	92	Red Jacket Hi Hose	87	Hirt Hi Hose	88	Healy Hi Hose	89
Exempt	70						

F. If an application for a permit is canceled or is denied and such denial becomes final, the filing fee shall not be refunded nor applied to any subsequent application.

G. Permit fees will be determined by the District in accordance with Rule 301. These fees shall be paid by the applicant within 30 days of notification or the permit will be canceled.

Sent to 6/6/87 — Completed App. to Eng. 8/7 — Sent to Cus. 6/6/87 — Returned 8/7/87

— REQUIREMENTS OF RULE 461 —

Rule 461(a) regulates the transfer of gasoline from delivery trucks to storage tanks and requires installation of submerged fill-pipes and vapor-return connectors. These connectors allow gasoline vapors to be returned from the storage tank to the delivery truck and to be sent to the bulk terminal for processing (Phase I only).

Rule 461(b) regulates the transfer of gasoline into motor vehicle tanks larger than five gallons. A special fill nozzle and vapor piping allow gasoline vapors to be returned from the vehicle fuel tank to the storage tank or to vapor processing equipment (Phase II).

INCOMPLETE APPLICATIONS NOT ACCEPTABLE
Make check payable to 'South Coast AQMD'

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND

FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION

SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE: SEC | TS | ID NUMBER: 58000

1A. PERMIT TO BE ISSUED TO: 09511L
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B: Federal Express Corp.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: 1801 (NUMBER) AVION (STREET) ONTARIO (CITY OR COMMUNITY) CA. (STATE)

2B: 91761 (ZIP CODE)

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): Same (NUMBER STREET CITY OR COMMUNITY ZIP)

3B: Mission Blvd + Vineyard (NEAREST INTERSECTING STREET)

4A. CONTACT PERSON (INITIALS & NAME): JOHN CRANE

4B. CONTACT PHONE NO (AREA & NO.): (714) 983-4245

5. EQUIPMENT APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT: Fuel Pumps Dispensing Non-Lead Gasoline and Automotive Fuels

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT [illegible] CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NAME | PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION [X]
- ALTERATION [ ]
- CHANGE OF LOCATION [ ]
- REINSTATEMENT – PAYMENT P/O [illegible] FEES DUE [ ]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT [illegible] OPERATION WITHOUT PRIOR PERMIT [ ]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ _____
AIR POLLUTION CONTROL EQUIPMENT $ Fuel Pumps Complete 7,000.00

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? 6/1/87 ESTIMATED COMPLETION DATE? 8/1/87

11. GENERAL NATURE OF BUSINESS: Express Delivery Service

12. PRINCIPAL PRODUCT: Service

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [ ]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAYS/WEEK 6
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES [X] NO [ ]

15a. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES? YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: John F. Crane IV

17. OFFICIAL TITLE OF SIGNER: SR. MANAGER

18. TYPED OR PRINTED NAME OF SIGNER: JOHN F. CRANE IV

19. PHONE NO: 714-983-4245

20. DATE: 6-8-87

SCAQMD USE

SIC NO		EQUIP. CAT. NO ___ ___ ___ ___ ___ ___ / ___ ___	SCH/STEP
APPLICATION NO: 159631	PERMIT NO	TYPE: B OR C	WORK UNITS: A/C P.O	ASSIGNMENT: 5 UNIT ENGR	CLASS: I III
VALIDATION: 6/15/87		FILING FEE: $ 250	CHECK OR MONEY ORDER NO.: 347968

SEE REVERSE FOR FEES REQUIRED UPON FILING

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Filing Fees

Except as noted following, a $250 filing fee must accompany each application for Permit to Construct/Operate.

1. For small businesses the filing fee is $160. The small business declaration form below must be completed in order to be considered a small business.

2. Each application for change of ownership requires a $110 transfer fee.

3. All applicants, including state, local governmental and public districts, must pey a permit evaluation fee. Such fees are in addition to filing fees and change of ownership fees.

4. All state, local governmental agencies or public districts are exempt from paying filing fees and change of ownership fees.

SEE APPLICATION INSTRUCTIONS FORM 400-B FOR ADDITIONAL INSTRUCTIONS
Call (818)572-6212 for assistance
SUPPLEMENTAL DATA FORMS REQUIRED

Special supplemental data forms must be completed for: BOILERS, LIQUID HEATERS, DEGREASERS, DRY CLEANING EQUIPMENT, OVENS, SPRAY BOOTHS and STORAGE TANKS.

'87 JUN 15 P2:4

MAKE CHECK PAYABLE TO "SOUTH COAST AQMD"
MAIL APPLICATION TO: SOUTH COAST AQMD
9150 Flair Drive
El Monte, CA 91731

RECEIVED FROM | RECEIVED BY | APPL. TO | FINANCE

SMALL BUSINESS DECLARATION

In order to be considered a small business as specified in Regulation XIII, this form must be completed. ***If not a small business, do not complete this form.***

A "Small Business": is a business which is independently owned and operated and meets the following criteria or, if affiliated with another concern, the combined activities of both concerns meet these criteria:

The number of employees is 10 or less; and
The total annual receipts are $500,000 or less.

I hereby certify under penalty of perjury that the business enterprise containing the emission source(s) for which an SCAQMD Permit to Construct or Permit to Operate is being applied harein qualifies as a SMALL BUSINESS based on compliance with the definition above:

John F. Crane III — Signature of applicant

6-8-87 — Date

714-983-4245 — Telephone Number

JOHN F. CRANE III — Printed or Typed Signature

Federal Express — Company Neme

State law requires that we inform you about the Office of Permit Assistance. The Office of Permit Assistance is a state agency which is available to assist you and provide information relating to the permit approval process at the state and local level. Call (916) 322-9245 for information.

Revised 6/86

George Bussey 6/11/87

00/00
EB

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731 (818) 572-6116

(14)

Application for Permit to Construct & Permit to Operate
Gasoline Storage & Dispensing Facility - Rule 461

1 NC#

☒ CORPORATION ☐ PARTNERSHIP ☐ INDIV. OWNERSHIP

Federal Express Corp.

2

1801 AVION ONTARIO CA ZIP 91761

3 LOS ANGELES ☐1 ORANGE ☐2 RIVERSIDE ☐3 SAN BERNARDINO ☒4

4 1801 AVION ONTARIO

5 ONTARIO

6 CA

7 91761

NEW FACILITY ☐1 ALTERATION ☐2 CHANGE OF OWNERSHIP ☐3 OLD ID#

8 ALTERATIONS: # Tanks Add ____ Removed ____ # Nozzles ADD ____ Remove ____

☐4 WITH OTHER SCAQMD PERMITS ☐5

9 RETAIL ☐1 CONSUMER ACCOUNT ☑2 GOVERNMENT AGENCY ☐3

10

NUMBER OF TANKS	12	THRUPUT (LEADED) G/YR		TANK TYPE	☑1
GAS ☐	13	THRUPUT (UNLEADED) 150,000 G/YR	16	See Reverse	☐2
GASOHOL ☐	14	THRUPUT (GASOHOL) G/YR			
11 DIESEL ☐	15	THRUPUT (DIESEL) 30,000 G/YR		FILL TYPE	☑1
METHANOL ☐	15a	THRUPUT (METHANOL) G/YR	17	See Reverse	☐2

19 CONTROL TYPE See Reverse 91

18 GASOLINE ONLY 3

20

REQUIRED--VAPOR RECOVERY SYSTEMS

ONLY PHASE I ☐1 ONLY PHASE II ☐2
BOTH PHASE I & II ☑3 exempt ☐5

7/28/87

21 SIGNATURE John F. Crane DATE 6-8-87

PRINT John F. Crane JR

AQMD USE ONLY

22 159545

23

TELEPHONE ( )
24

25 COAST ☐1 EAST ☐2

26

27 28

PERMIT CODE
29 ☐

CONTROLS
BALANCE ☐1
30 ASSIST ☐2

31

32

TRANSACTION CODE:

TRANS. NO. 357
CHECK NO. 15.00
AMOUNT
33

34 58000

8/86--form 460

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
P.O. BOX 4944
Diamond Bar, California 91765-0944

FORM 400A

NC/NOV NUMBER _____
INSPECTOR _____ SECTOR _____
ISSUE DATE _____

COMPANY INFORMATION

LEGAL NAME OF APPLICANT
FEDERAL EXPRESS CORPORATION

☐ IRS OR ☐ S.S. NUMBER

PERMIT TO BE ISSUED TO: (SEE INSTRUCTIONS)
FEDERAL EXPRESS CORPORATION

BUSINESS MAILING ADDRESS
1801 E. AVION, ONTARIO, CA. 91761

TYPE OF ORGANIZATION
☒ CORPORATION ☐ LIMITED PARTNERSHIP ☐ GOVERNMENT ENTITY
☐ INDIVIDUAL ☐ GENERAL PARTNERSHIP ☐ OTHER _____

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ YES ☒ NO
AVERAGE ANNUAL GROSS RECEIPTS: N/A
NUMBER OF EMPLOYEES:
IS YOUR BUSINESS 51 PERCENT OR MORE WOMAN/MINORITY OWNED? (OPTIONAL) ☐ YES ☐ NO

ARE ALL FACILITIES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL RULES? ☐ YES ☐ NO

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ YES ☐ NO
☐ IRS OR ☐ S.S. NUMBER OF THE OWNER

IF NO, ENTER LEGAL NAME OF OWNER

FACILITY INFORMATION

EQUIPMENT ADDRESS/LOCATION
1801 E. AVION, ONTARIO, CA. 91761
NUMBER / STREET

ONTARIO — CA — 91761
CITY OR COMMUNITY — ZIP CODE

FACILITY NAME
FEDERAL EXPRESS CORPORATION
FACILITY ID NUMBER (SEE INSTRUCTIONS)
0 5 8 0 0 0 — 07/11/95

CONTACT PERSON AND TITLE
KRIS YOUNG/SENIOR MANAGER

CONTACT TELEPHONE NUMBER
(909 983-3841

NUMBER OF EMPLOYEES AT THIS FACILITY:

TYPE OF BUSINESS AT THIS FACILITY
PACKAGE DELIVERY SERVICE

BUSINESS TYPE CODE (SEE INSTRUCTIONS)
4 5 2 0

IS THERE A SCHOOL WITHIN 1,000 FEET OF YOUR PROPERTY?
YES ☐ NO ☒

EQUIPMENT INFORMATION

EQUIPMENT DESCRIPTION (SEE INSTRUCTIONS)
HOBART, JETEX4D, 90PS01525

APPLICATION FOR: (SEE INSTRUCTIONS)
☐ NEW CONSTRUCTION
☒ EXISTING EQUIPMENT OPERATING WITHOUT PERMIT
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT
☐ MODIFICATION ☐ CHANGE OF PERMITTEE
☐ CHANGE OF LOCATION ☐ CHANGE OF PERMIT CONDITION

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE?
☒ YES ☐ NO

HAVE YOU BEEN ISSUED A NOTICE TO COMPLY (NC) OR A NOTICE OF VIOLATION (NOV) FOR THIS EQUIPMENT? ☒ YES ☐ NO
NC NUMBER: A10500 NOV NUMBER : NOTICE ISSUE DATE: 4/14/94

NUMBER OF EMPLOYEES NEEDED TO OPERATE THIS EQUIPMENT: 1

IF THE EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF PERMITTEE: ———
PREVIOUS PERMIT NUMBER: ———

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED COST OF:
BASIC EQUIPMENT $
AIR POLLUTION CONTROL EQUIPMENT $

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED START DATE:
ESTIMATED COMPLETION DATE:

FOR CHANGE OF PERMITTEE, LOCATION OR CONDITION, ENTER DATE OF OCCURRENCE:
FOR EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT, ENTER INITIAL OPERATION DATE:

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? ☐ YES ☐ NO
IF YES, ENTER NAME: AND SUBMIT A COPY IF APPROVED
DO YOU CLAIM CONFIDENTIALITY OF DATA ? (SEE INSTRUCTIONS) ☐ YES ☒ NO

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT

SIGNATURE

OFFICIAL TITLE OF SIGNER
SENIOR MANAGER

TYPE OR PRINT NAME OF SIGNER
KRIS YOUNG

TELEPHONE NUMBER
(909 983-3841

DATE
05/26/95

SCAQMD USE ONLY

APPLICATION NUMBER 305057 — TYPE B C D — EQUIPMENT CATEGORY NUMBER 04090 — ASSIGNMENT UNIT J ENGINEER — CLASS I II III IV — ENF. SECT.

ENGR. A DATE 6-14-95 INITIAL MM — ENGR. R DATE 7/7/95 INITIAL SKC — FEE SCHEDULE $ 145.30 B — VALIDATION 7-6-95 DB 6-14-95 M — CHECK OR MONEY ORDER NUMBER 47141x6 — AMOUNT 145.30

DISTRIBUTION – WHITE – ENGINEERING – CANARY – ENFORCEMENT – PINK – APPLICANT

90281 6/90

492763312 218.90

S.C.A.Q.M.D.
ENGINEERING

'95 JUL -6 P5:11

S.C.A.Q.M.D.
ENGINEERING

'95 JUN -9 P1:04

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

INTERNAL COMBUSTION ENGINE INFORMATION TO ACCOMPANY PERMIT APPLICATION FORM 400-A

(SEE REVERSE SIDE FOR APPLICATION INSTRUCTIONS)

1. BUSINESS LICENSE NAME: Federal Express

2. ENGINE MANUFACTURER, MODEL NUMBER & SERIAL NUMBER: (ATTACH MANUFACTURER'S CATALOG)
Hobart, JetEx 4D, 9ØPSØ1525

3. UTILIZATION OF ENGINE: (CHECK ALL BOXES WHICH APPLY)
[X] ELECTRICAL GENERATOR [ ] FIRE PUMP [ ] RENTAL
[ ] COMPRESSOR DRIVER [ ] FLOOD CONTOL [X] PORTABLE
[ ] PUMP DRIVER [ ] OTHER _____

4. ENGINE DESCRIPTION: NUMBER OF CYLINDERS 4
[X] TWO CYCLE OR [ ] FOUR CYCLE
[ ] LEAN BURN OR [ ] RICH BURN
[ ] TURBOCHARGED [ ] TURBOCHARGED/AFTERCOOLED [ ] NATURALLY ASPIRATED

5. FUEL INFORMATION: AIR TO FUEL RATIO 23.13
[ ] NATURAL GAS [ ] GASOLINE [ ] LPG [X] DIESEL OIL
[ ] DIGESTER GAS [ ] LANDFILL GAS [ ] OTHER _____
SULFUR CONTENT OF DIGESTER GAS, LANDFILL GAS OR DIESEL: _____

6. MAXIMUM RATED FULL LOAD FUEL CONSUMPTION: 3.92 (GAL/HR) OR _____ (CU.FT/HR)
AVERAGE LOAD PERCENTAGE: _____ %

7. ENERGY RECOVERY FROM EXHAUST: [ ] YES [X] NO
IF YES, PLEASE EXPLAIN:

8. ENGINE SIZE (MANUFACTURER'S RATING): 69.6 BHP @ 2000 RPM

9. EMISSION CONTROL DEVICE: [ ] YES [X] NO
IF YES, PLEASE SPECIFY:

10. EMISSION DATA

POLLUTANTS	EMISSION BEFORE CONTROL GR/BHP HR	PPM	LB/DAY	EMISSION AFTER CONTROL GR/BHP HR	PPM	LB/DAY
ROG						
NOX						
CO						
PM						

[ ] MANUFACTURER DATA [ ] SOURCE TEST DATE _____ (PLEASE PROVIDE COPY)

11. STACK OR VENT DATA:
DIMENSIONS: HEIGHT ABOVE GRADE _____ (FT) HEIGHT ABOVE BUILDING _____ (FT)
CROSS SECTION*: DIAMETER _____ (IN) OR WIDTH _____ (IN) LENGTH _____ (IN)
EXHAUST TEMPERATURE 1175 (°F)
STACK SERVES: a. [X] ONLY THIS EQUIPMENT EXHAUST FLOW RATE 460 (CFM)
b. [ ] OTHER EQUIPMENT ALSO** TOTAL FLOW RATE _____ (CFM)
EXHAUST PRESSURE _____ (INCHES H_2O)
* MEASURED AT THE ATMOSPHERIC EXHAUST OPENING
**IF THIS ITEM IS CHECKED, SUBMIT TYPE AND RATING OF ALL OTHER EQUIPMENT EXHAUSTED THROUGH THIS VENT OR STACK.

12. OPERATING SCHEDULE: 3 (HR/DAY) 5 (DAYS/WEEK) 52 (WEEKS/YEAR)
MAXIMUM OPERATING HOURS: 3 (HR/DAY)
[ ] EMERGENCY ONLY (INDICATE HRS OPERATED FOR TESTING & MAINTENANCE) _____

THE ABOVE INFORMATION IS SUBMITTED TO DESCRIBE THE USE OF THE EQUIPMENT FOR WHICH APPLICATION FOR PERMIT IS BEING MADE ON THE ACCOMPANYING FORM 400-A

SIGNATURE OF RESPONSIBLE MEMBER OF FIRM: _____ DATE 5/26/95

TYPE OR PRINT NAME AND OFFICIAL TITLE OF PERSON SIGNING THIS DATA FORM

NAME: KRIS YOUNG

TITLE: Sr Manager Ramp Ops

400-C-28

APPLICATION INSTRUCTIONS
FOR
INTERNAL COMBUSTION ENGINE

FILL OUT REVERSE SIDE AND RETURN WITH YOUR APPLICATION

With each application for permit for the above equipment type, the following information must be submitted :

1. **EQUIPMENT LOCATION DRAWING FOR EQUIPMENT TO OPERATED ONLY AT A SINGLE LOCATION.** The drawing submitted must be to scale (suggested scale: 1" = 100 feet; accuracy of measurements to the nearest 5 feet will be satisfactory) and must show at least the following:

   a. The facility property bounderies, and heights of all buildings within the property.
   b. Identify the location of the above equipment on the property. Indicate the direction of the discharge from the above equipment.
   c. Indicate the location of adjacent property, indicating street names. Show location of all buildings and automobile parking lots outside the property that are within 600 feet of the above equipment. Identify all such buildings (such as residences, apartment homes, machine shop, warehouse, etc.), specifying height of each building (number of stories). Indicate direction (north) on the drawing.

2. **DRAWINGS AND SPECIFICATIONS** of the above equipment. Furnish the manufacturer's catalog for the model and serial number specified on the reverse side of this form.

NOTE: Structural design calculations and details are not required. When standard commercial equipment is to be installed, the manufacturer's catalog describing the equipment may be suomitted by the applicant. **ADDITIONAL INFORMATION MAY BE REQUIRED.**

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:
INSPECTOR **SECTOR**
ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR: FEDERAL EXPRESS — ☒ IRS OR ☐ S. S. NUMBER: 710427007
PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS): MODIFICATION
BUSINESS MAILING ADDRESS: 1100 LAKE COOK RD BUFFALO GROVE, IL 60089
PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS: 1601 AVION DR ONTARIO CA. 91761
TYPE OF ORGANIZATION
☒ Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in):
ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ Yes ☒ No
AVERAGE ANNUAL GROSS RECEIPTS $ N/A
NUMBER OF EMPLOYEES
IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED? ☐ Yes ☒ No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? ☒ Yes ☐ No
ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER OF OWNER
IF NO, ENTER THE LEGAL NAME OF OWNER YES — 710427007

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION: 1601 AVION DR (NUMBER/STREET)
CITY OR COMMUNITY: ONTARIO CA, 91761 (ZIP CODE)
FACILITY NAME
FACILITY ID NUMBER: 058000
PRINT NAME OF CONTACT PERSON: JACK BAIL
TITLE OF CONTACT PERSON: AGENT FOR FED EX
TYPE OF BUSINESS AT THIS FACILITY: POSTAL SERVICE / DELIVERY
PRIMARY SIC CODE FOR THIS FACILITY
NUMBER OF EMPLOYEES AT THIS FACILITY
CONTACT PERSON'S TELEPHONE NUMBER: (510) 669-7866
CONTACT PERSON'S FAX NUMBER: (510) 889-7888
CONTACT PERSON'S E-MAIL ADDRESS: @

Section III - Application Type

DESCRIPTION OF EQUIPMENT:
PREVIOUS PERMIT #(S): M89141
APPLICATION FOR (SEE INSTRUCTIONS):
☐ NEW CONSTRUCTION ☒ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT
ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ Yes ☐ No 119543

☐ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

____ 400-E-1	• PARTICULATE MATTER (PM_{10}) CONTROL EQUIPMENT	____ 400-E-13	• INTERNAL COMBUSTION EQUIPMENT
____ 400-E-2	• VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT	____ 400-E-14	• OPEN PROCESS TANK
____ 400-E-3	• SCRUBBER	____ 400-E-14a	• OPEN PROCESS TANK; PROCESS LINE
____ 400-E-4	• ABRASIVE BLASTING EQUIPMENT	____ 400-E-15	• PRINTING EQUIPMENT
____ 400-E-6	• DEGREASER	____ 400-E-16	• SOLID MATERIALS STORAGE EQUIPMENT
____ 400-E-7	• DRY CLEANING EQUIPMENT	____ 400-E-17	• SPRAY BOOTH/OPEN SPRAY
____ 400-E-8	• ETHYLENE OXIDE STERILIZER	____ 400-E-17a	• POWDER SPRAY BOOTH
____ 400-E-9	• EXTERNAL COMBUSTION EQUIPMENT	____ 400-E-18	• STORAGE TANK (LIQUID & GASEOUS MAT'L)
____ 400-E-10	• FOOD BROILER/FRYER	____ 400-E-19	• WAVE SOLDER MACHINE
____ 400-E-11	• FUEL DISPENSING AND STORAGE EQUIPMENT	____ 400-E-20	• ASBESTOS REMOVAL EQUIPMENT
____ 400-E-12	• GAS TURBINE	____ NONE	• ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

1/18,000
3/92

☐ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: — TITLE OF RESPONSIBLE OFFICIAL OF FIRM: AGENT FOR FED EX
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: MARK SWEET — RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (510) 669-7866 — DATE SIGNED: 3/31/2005

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: — TITLE OF PREPARER:
TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: MARK SWEET — PREPARER'S TELEPHONE NUMBER: (562) 667-2800 — DATE SIGNED: 3/31/05

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD USE ONLY	APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE	FEE SCHEDULE: $	VALIDATION
	442584			218975/911		04/06/05

ENG. A R DATE	ENG. A R DATE	CLASS I II III IV	ASSIGNMENT UNIT ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT
					11162	$871.-

(44780) 2272 $2,742 (2 of 2)

S.C.A.Q.M.D.
ENGINEERING

'05 APR -6 P1:05

S.C.A.Q.M.D.
REVENUE RECEIVING

5 APR -5 AM 10:13

TITLE V APPLICATION CERTIFICATION

- TO BE COMPLETED BY TITLE V FACILITIES ONLY -

Section IV - Title V Application

1. This is an application for a(n) (Check all applicable boxes and provide the requested information as appropriate):
   a. ☐ Initial Title V Permit
   b. ☐ Permit Renewal: Provide current permit expiration date: ____/____/____
   c. ☐ Administrative Permit Revision (Check all that apply)
      ☐ Change of Ownership. (Complete and attach equipment-specific Form 400-E-xx series forms)
      ☐ Change of Facility Information
      ☐ Other, Please specify: _____
   d. ☐ Other (Complete and attach equipment specific Form 400-E-XX series form(s) to this form if your application involves permit action for new construction, change of location, non-administrative permit revision, alternative operating scenario (AOS), permit shield, streamlined permit conditions, or temporary source permit.)
2. Is this facility required to prepare a Risk Management Plan (RMP) for another agency? ☐ Yes ☐ No

Section V - Title V Submittal Checklist

1. Enter the quantity of each type form submitted in the space provided:

_____	500-A2	_____	500-F1
_____	500-B	_____	500-F2
_____	500-C1	_____	500-F3
_____	500-C2	_____	500-F4
_____	500-D	_____	Other (specify): _____

2. Additional information referenced in this application submitted (Check **ALL** that apply):
   a. ☐ Existing Facility Permit
   b. ☐ Preliminary Facility Permit
   c. ☐ EFB Report for Year _____
   d ☐ None
   e. ☐ Other (Specify): _____
3. Supplemental information included with this application submittal (Check **ALL** that apply):
   a. ☐ Facility Plot Plan
   b. ☐ MSDS Sheet(s)
   c. ☐ None
   d. ☐ Other (Specify): _____

AQMD USE ONLY	APPLICATION TYPE	30 DAY PUBLIC NOTICE START DATE	30 DAY PUBLIC NOTICE END DATE	PUBLIC HEARING DATE	45-DAY EPA REVIEW START DATE	45-DAY EPA REVIEW END DATE
	INITIAL, RENEWAL & SIGNIFICANT					
	MINOR & DEMINIMUS					
	ESTABLISH GENERAL PERMIT					

USE THE SECTIONS BELOW FOR TITLE V INITIAL AND RENEWAL APPLICATIONS ONLY:

APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
— — — — — — — —			— — — — — — — — / — —	$	

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT	ASSIGNMENT ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT $

FORM 400-A, Rev. 10/97

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

Form 400-A and Form 400 CEQA must accompany all submittals.

FUEL DISPENSING AND STORAGE EQUIPMENT
FORM 400 - E - 11

(See Form 400-E-11 Requirements and Instructions)

Section I - Facility/Application Information

1. Business Name: FEDERAL EXPRESS Facility ID: 058000
2. Is the equipment located within 1,000 feet from the outer boundary of a grade K-12 school? ☐ No ☒ Yes
   (If Yes, complete for all public or private school(s), grade K-12, within a 1/4 mile radius of facility property.)
   School Name(s):_____ Telephone No(s):_____
   School Address(s):_____
3. The requested application is for:
   a. ☐ New Construction b. ☒ Modification; Current Permit Number: _____
   Estimated Construction/Modification Start Date: 9 / 15 / 2005
   Estimated Construction/Modification Completion Date: 9 / 16 / 2005
   c. ☐ Existing Equipment with Expired Permit
   Permit Number: _____ Date Expired: ___/___/___
   d. ☐ Existing Equipment Operating without a Permit; Initial Operation Date: ___/___/___
   e. ☐ Change of Throughput Condition
   Specify the change of condition requested:_____
   Date the throughput change will/did occur: ___/___/___
   f. ☐ Change of Operator
   Previous Operator: _____ Previous Operator's Facility ID No.: _____
   Previous Operator's Permit No.: _____ Date Change of Operator Occurred: ___/___/___
4. Operating Schedule: _____ hours/day _____ days/year
5. Property Zone:
   a. ☐ Commercial c. ☐ Industrial e. ☐ Other (specify): _____
   b. ☐ Residential d. ☐ Parking
6. Business Type: a. ☐ Retail b. ☐ Non-Retail
   For Non-Retail facilities only, do you own any fleet vehicles?
   ☐ No ☐ Yes, Total number of fleet vehicles: _____
   For Retail facilities only:
   a. Has the owner/operator attended a SCAQMD approved Rule 461 training course?
   ☐ No ☐ Yes Date of Course Completion: ___/___/___
   b. Has the owner/operator developed an Operation and Maintenance manual as required by Rule 461?
   ☐ No ☐ Yes
7. Have you been issued a Notice to Comply (NTC) or Notice of Violation (NOV) for this equipment?
   ☐ No ☐ Yes; NTC #:_____ NOV #:_____ Issue Date:___/___/___
8. Do you claim confidentiality of data? ☐ No ☐ Yes (attach explanation)

Section II - Equipment Information

1. UNDERGROUND STORAGE TANK INFORMATION: COMPLETE AND CHECK THE APPROPRIATE COLUMNS

Tank No.	Fuel Type (e.g. Unleaded)	Tank Capacity (Gallons)	Phase I Design: Coaxial	Phase I Design: Two-Point	Manifold Location: Underground	Manifold Location: At Vent	New ☑	Existing ☑	Remove ☑
	Gas	10K					☐	☐	☐
							☐	☐	☐
							☐	☐	☐
							☐	☐	☐
							☐	☐	☐

a. Provide Phase I CARB Executive Order Number (see instructions):_____
b. Are any of these storage tanks dual or multi-compartment? ☐ No ☐ Yes
   Identify the compartments by tank number and letter (e.g. 1A, 1B, 1C, etc.).
c. Are any of these storage tanks methanol compatible? ☐ No ☐ Yes (Identify these tanks)
d. Will any of these storage tanks be located in a vault below grade? ☐ No ☐ Yes
e. Will a condensate/vapor trap be installed in the vapor return line? ☐ No ☐ Yes
f. Will the tank(s) at this site contain a remote fill? ☐ No ☐ Yes
g. Will a flex-type piping be used for the vapor return line? ☐ No ☐ Yes

All EXISTING gasoline storage tanks shall be equipped with the following CARB certified equipment:

- **Phase I Vapor Control;**
- **Submerged Fill Tubes; and,**
- **Spill Boxes.**

In addition to the above mentioned requirements, all NEW construction or tank replacement applications shall have a two point design Phase I vapor recovery system AND have all gasoline tanks manifolded underground. Furthermore, all underground storage tanks shall be methanol fuel compatible (include methanol compatible certificate).

2. ABOVEGROUND STORAGE TANK INFORMATION: COMPLETE AND CHECK THE APPROPRIATE COLUMNS

Tank No.	Fuel type (e.g.; Reg, Unleaded)	Tank Capacity (Gallons)	Tank Dimensions LxWxHxDia (Feet-Inches)	Tank Manufacturer Control Type* or CARB EO	Stack Height (Feet)	Hose Length (Feet)	New ☑	Existing ☑	Remove ☑
							☐	☐	☐
							☐	☐	☐
							☐	☐	☐

Are any of these storage tanks dual or multi-compartment? ☐ No ☐ Yes
Identify the compartments by tank number and letter (e.g. 1A, 1B, 1C, etc.).

3. For new construction or vent pipe relocations, submit a plot plan identifying island locations, all underground piping locations with pipe diameters, dispenser locations, vent pipe locations, and structures surrounding the property line. Have you included this plot plan with this application? ☐ Yes ☐ No

4. Identify which one of the layouts on Attachment I most accurately represents your facility's configuration (fuel pump islands and set-up). In addition, identify the direction of North by placing an arrow in the circle provided and identify dispenser location by placing a dot on the island configuration. If none of the figures in Attachment I apply to your facility, complete Figure 9 by sketching the layout of your fuel pump islands. Using the same format in Attachment I, number each island and indicate the distances between them.

Figure_____ Distance A: _____ FT Distance B: _____ FT Distance C: _____ FT

5. Indicate the distance, direction from Δ, and address of the nearest residential and commercial/industrial structure located outside the property line of the facility as measured from the approximate center of the islands (shown as Δ in the figures):

Residential _____ FT
Direction (Circle One): N NE E SE S SW W NW
Located at: _____

Commercial/Industrial _____ FT
Direction (Circle One): N NE E SE S SW W NW
Located at: _____

6. FUELING POSITION INFORMATION: COMPLETE FOR ALTERATIONS OR NEW CONSTRUCTION

Total Number of Fueling Positions After Alteration or New Construction	Total Number of Fueling Positions Prior to Alteration (For Alterations Only)
2	2

7. NOZZLE INFORMATION: COMPLETE ALL COLUMNS

Fuel Type (e.g. Unleaded, Diesel)	# New Nozzles	# Existing Nozzles	# Removed Nozzles	CARB Executive Order OR Control Type* (Phase II)	Maximum Monthly Throughput (Gal/Mo)	Maximum Annual Throughput (Gal/Yr)
UNLEADED	2	2	0	91		

*See lists on page 2 of Instruction sheets for form 400-E-11.

8. GASOLINE PRODUCT INFORMATION: COMPLETE TABLE

Number of nozzle(s) dispensing ONE product (grade) of gasoline: 2 X 1 = 2
Number of nozzle(s) dispensing TWO products (grades) of gasoline: ___ X 2 = ___
Number of nozzle(s) dispensing THREE products (grades) of gasoline: ___ X 3 = ___
TOTAL NOZZLE COUNT: ___ TOTAL PRODUCT COUNT ___

9. DISPENSER INFORMATION: COMPLETE AND CHECK THE APPROPRIATE COLUMNS

Dispenser Make	Dispenser Model No.	No. of Similar Dispensers	Dispenser New ☑	Dispenser Existing ☑	Dispenser Removed ☑	No. of Nozzles Per Dispenser Unleaded	Diesel	Methanol
			☐	☐	☐			
			☐	☐	☐			
			☐	☐	☐			
			☐	☐	☐			

10. THROUGHPUT INFORMATION: PROVIDE THROUGHPUT RECORDS FOR THE PAST 2 YEARS (EXISTING SITES)

Year of Operation	Fuel Type	Throughput (Gal/Yr)	Days of Operation
	Gasoline		
	Gasoline		

11. For existing gasoline storage and dispensing systems and based on the following, please provide a copy of your **MOST recent** vapor recovery test results.
   a. Balance System Tests:
      - Static Pressure (Leak-Decay);
      - Dynamic Pressure (Back-Pressure); and,
      - Liquid Removal (if applicable).
   b. Vacuum Assisted System Tests (Except Healy and Hirt Systems):
      - Static Pressure (Leak-Decay); and,
      - Air-to-Liquid Ratio (A/L).
   c.. Healy Vacuum Assisted System Tests:
      - Static Pressure (Leak-Decay);
      - Air-to-Liquid Ratio (A/L); and,
      - Vapor Return Line.
   d. Vacuum Assisted Hirt System Test:
      Air-to-Liquid Ratio (A/L).
   e. For systems not mentioned, provide required test results as per that system's executive order.

12. Include **All** drawings as mentioned in Form 400-E-11 Requirements.

Section III - Applicant Certification Statement

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: [signature]

TITLE OF RESPONSIBLE OFFICIAL OF FIRM: AGENT FOR FED EX

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM:	RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER	DATE SIGNED:
MARK SWEET	562 667 - 2600	3/31/2005

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

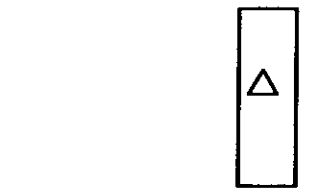
SIGNATURE OF PREPARER: [signature]

TITLE OF PREPARER AND COMPANY NAME:

TYPE OR PRINT NAME OF PREPARER:	PREPARER'S TELEPHONE NUMBER	DATE SIGNED:
MARK SWEET	562 667 - 2600	3/31/2005

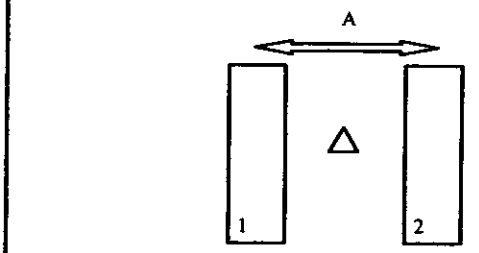
ATTACHMENT I
LAYOUTS

Figure 1



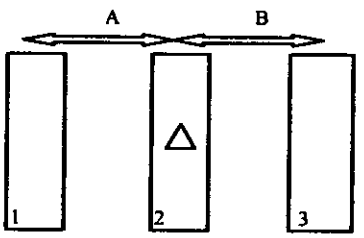
△ = Appropriate center of the island

Figure 2



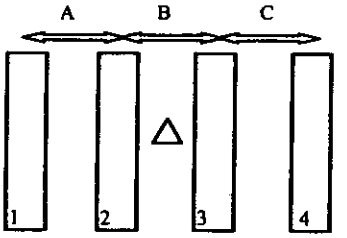
△ = Approximate center of the combination of islands
A = Distance (ft) between Islands 1 & 2

Figure 3



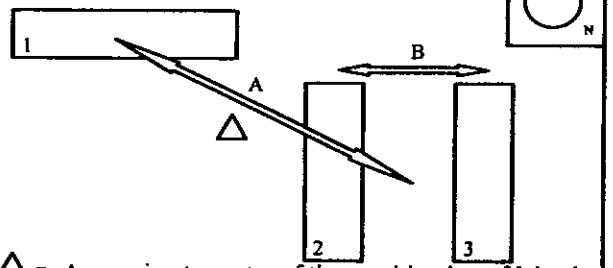
△ = Appropriate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 2 & 3

Figure 4



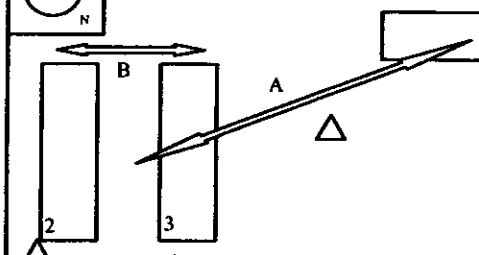
△ = Approximate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 2 & 3
C = Distance (ft) between Island No. 3 & 4

Figure 5



△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2 & 3
B = Distance (ft) between Island No. 2 and 3

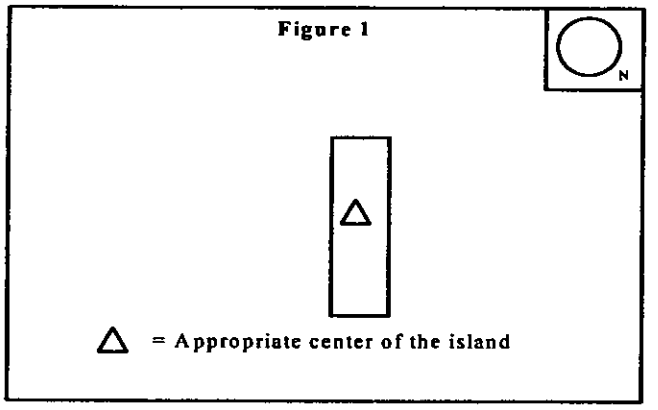
Figure 6



△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2 & 3
B = Distance (ft) between Island No. 2 & 3

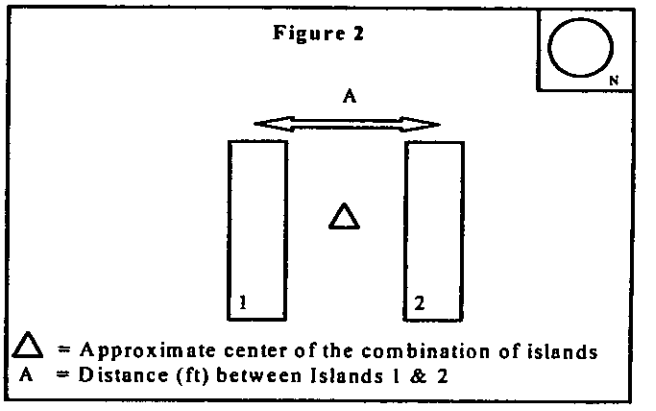
ATTACHMENT I
LAYOUTS

Figure 1



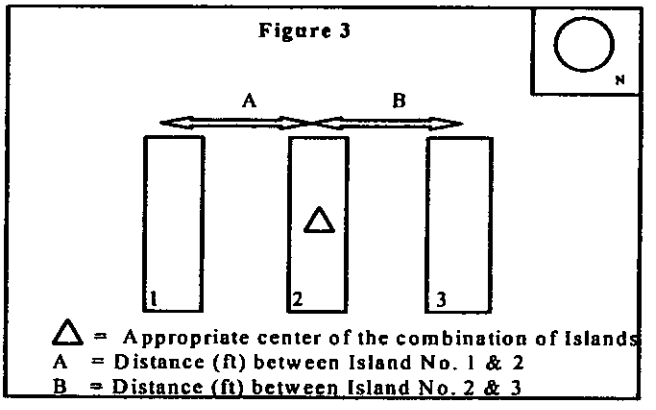
△ = Appropriate center of the island

Figure 2



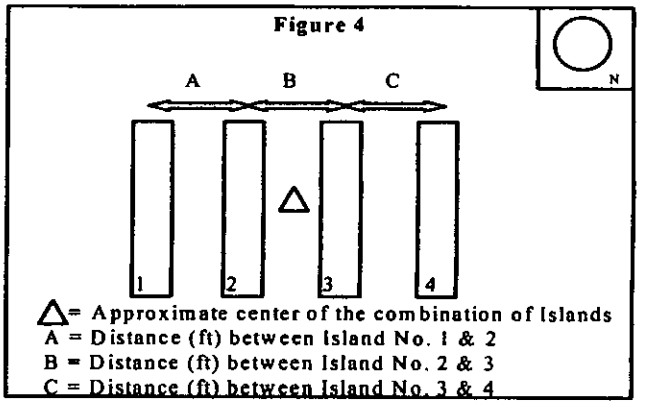
△ = Approximate center of the combination of islands
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Figure 3



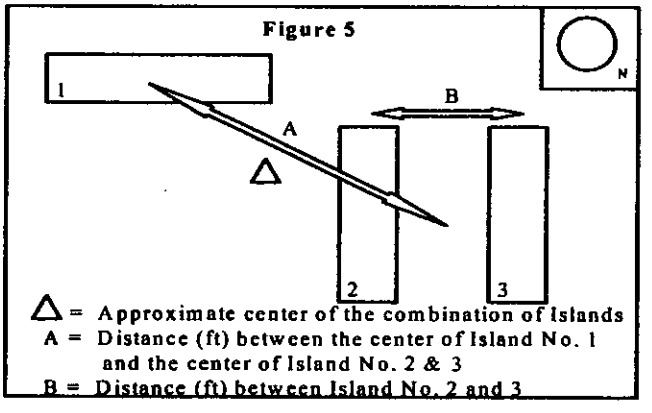
△ = Appropriate center of the combination of Islands
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Figure 4



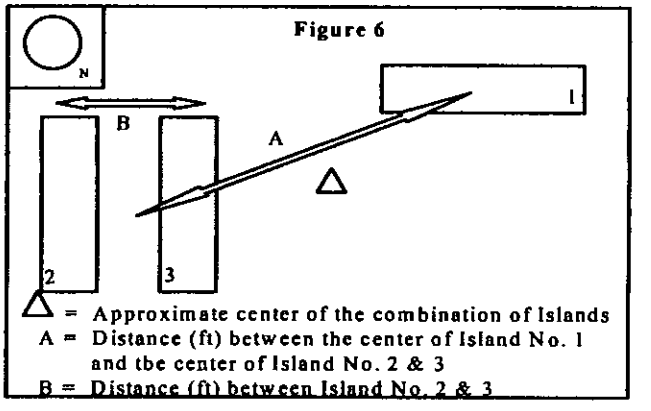
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A = Distance (ft) between Island No. 1 & 2
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C = Distance (ft) between Island No. 3 & 4

Figure 5



△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2 & 3
B = Distance (ft) between Island No. 2 and 3

Figure 6



△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and tbe center of Island No. 2 & 3
B = Distance (ft) between Island No. 2 & 3

South Coast Air Quality Management District
21865 East Copley Drive
Diamond Bar, CA 91765
(909) 396- 2000

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) APPLICABILITY FORM 400 - CEQA

The SCAQMD is required by state law, the California Environmental Quality Act (CEQA), to review discretionary permit project applications for potential air quality and other environmental impacts. This form is a screening tool to assist the SCAQMD in clarifying whether or not the project[1] has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document [CEQA Guidelines §15060(a)].[2] Refer to the attached instructions for guidance in completing this form.[3] For each Form 400-A application, also complete and submit one Form 400-CEQA. If submitting multiple Form 400-A applications for the same project at the same time, only one 400-CEQA form is necessary for the entire project. If you need assistance completing this form, contact Permit Services at (909) 396-3385 (or 2668).

FACILITY INFORMATION

Facility Name: FEDERAL EXPRESS **Facility ID** (6-Digit): 58000

Project Description: EVR UPGRADE

REVIEW FOR EXEMPTION FROM FURTHER CEQA ACTION

Check "Yes" or "No" as applicable

	Yes	No	Is this application for:
A.	☐	☒	**A CEQA and/or NEPA document previously or currently prepared that specifically evaluates this project?** If yes, a permit cannot be issued until a Final CEQA document and Notice of Determination is submitted.
B.	☐	☒	**A request for a change of permittee only (without equipment modifications)?**
C.	☒	☐	**A functionally identical permit unit replacement with no increase in rating or emissions?**
D.	☐	☒	**A change of daily VOC permit limit to a monthly VOC permit limit?**
E.	☐	☒	**Equipment damaged as a result of a disaster during state of emergency?**
F.	☐	☒	**A Title V** (i.e., Regulation XXX) **permit renewal (without equipment modifications)?**
G.	☐	☒	**A Title V administrative permit revision?**
H.	☐	☒	**The conversion of an existing permit into an initial Title V permit?**

If **"Yes"** is checked for any question above, your application does not require additional evaluation for CEQA applicability. Skip to page 2, "SIGNATURES" and sign and date this form.

REVIEW OF IMPACTS WHICH MAY TRIGGER CEQA

Complete Sections I-VI by checking "Yes" or "No" as applicable. To avoid delays in processing your application(s), explain all "Yes" responses on a separate sheet and attach it to this form.

	Yes	No	Section I – General
1.	☐	☒	**Has this project generated any known public controversy regarding potential adverse impacts that may be generated by the project?** Controversy may be construed as concerns raised by local groups at public meetings; adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc.
2.	☐	☒	**Is this project part of a larger project?**
			Section II – Air Quality
3.	☐	☒	**Will there be any demolition, excavating, and/or grading construction activities that encompass an area exceeding 20,000 square feet?**
4.	☐	☒	**Does this project include the open outdoor storage of dry bulk solid materials that could generate dust?** If Yes, include a plot plan with the application package.

[1] A "project" means the whole of an action which has a potential for resulting in physical change to the environment, including construction activities, clearing or grading of land, improvements to existing structures, and activities or equipment involving the issuance of a permit. For example, a project might include installation of a new, or modification of an existing internal combustion engine, dry-cleaning facility, boiler, gas turbine, spray coating booth, solvent cleaning tank, etc.

	Yes	No	
5.	☐	☐	**Would this project result in noticeable off-site odors from activities that may not be subject to SCAQMD permit requirements?** For example, compost materials or other types of greenwaste (i.e., lawn clippings, tree trimmings, etc.) have the potential to generate odor complaints subject to Rule 402 – Nuisance.
6.	☐	☐	**Does this project cause an increase of emissions from marine vessels, trains and/or airplanes?**
7.	☐	☐	**Will the proposed project increase the QUANTITY of hazardous materials stored aboveground onsite or transported by mobile vehicle to or from the site by greater than or equal to the amounts associated with each compound on the attached Table 1?[4]**
			Section III – Water Resources
8.	☐	☐	**Will the project increase demand for water at the facility by more than 5,000,000 gallons per day?** The following examples identify some, but not all, types of projects that may result in a "yes" answer to this question: 1) projects that generate steam; 2) projects that use water as part of the air pollution control equipment; 3) projects that require water as part of the production process; 4) projects that require new or expansion of existing sewage treatment facilities; 5) projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project; and 6) projects that require new or expansion of existing water supply facilities.
9.	☐	☐	**Will the project require construction of new water conveyance infrastructure?** Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities such that the project requires new water lines, sewage lines, sewage hook-ups, etc.
			Section IV – Transportation/Circulation
10.			**Will the project result in** (Check all that apply)**:**
	☐	☐	**a. the need for more than 350 new employees?**
	☐	☐	**b. an increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round-trips per day?**
	☐	☐	**c. increase customer traffic by more than 700 visits per day?**
			Section V – Noise
11.	☐	☐	**Will the project include equipment that will generate noise GREATER THAN 90 decibels (dB) at the property line?**
			Section VI – Public Services
12.			**Will the project create a permanent need for new or additional public services in any of the following areas** (Check all that apply)**:**
	☐	☐	**a. Solid waste disposal?** Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day.
	☐	☐	**b. Hazardous waste disposal?** Check "No" if the projected potential amount of hazardous wastes generated by the project is less than 42 cubic yards per day (or equivalent in pounds).

REMINDER: *For each "Yes" checked in the sections above, attach all pertinent information including but not limited to estimated quantities, volumes, weights, etc.*

SIGNATURES

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THIS FORM IS A SCREENING TOOL AND THAT THE SCAQMD RESERVES THE RIGHT TO CONSIDER OTHER PERTINENT INFORMATION IN DETERMINING CEQA APPLICABILITY.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:	TITLE OF RESPONSIBLE OFFICIAL OF FIRM:	
	AGENT FOR FEDEX	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: MARK SWEET	**RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER:** 562 667 2600	**DATE Signed:** 3/31/2005
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:	**TITLE OF PREPARER:** CEO	
TYPE OR PRINT NAME OF PREPARER: MARK SWEET	**PREPARER'S TELEPHONE NUMBER:** 562 667-2600	**DATE Signed:** 3/31/2005

THIS CONCLUDES FORM 400-CEQA. INCLUDE THIS FORM AND THE ATTACHMENTS WITH FORM 400-A.

APPLICATION FOR PLANS

FORM 400P

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

COMPANY INFORMATION FOR INSTRUCTIONS SEE REVERSE SIDE

LEGAL NAME OF APPLICANT: I.R.S. OR S.S. NO.:

City of Los Angeles D.O.A. Ontario International Airport

PLAN TO BE ISSUED TO: (SEE INSTRUCTIONS)

Ontario International Airport

BUSINESS MAILING ADDRESS:

2132 E. Avion St Ontario CA 91761

FACILITY INFORMATION

FACILITY NAME: Ontario International Airport

FACILITY I.D. NO.: 116529 - P 3-5-99

EQUIPMENT/FACILITY LOCATION: (FOR VARIOUS LOCATIONS PLANS, ENTER "VARIOUS LOCATIONS")

2132 E. Avion St

TYPE OF BUSINESS: Airport

BUSINESS TYPE CODE: (SEE INSTRUCTIONS) 4580

CONTACT PERSON AND TITLE: Angel Segarra Equip Oper.

CONTACT TELEPHONE NO.: (909) 937-2730 EXT 2659

EQUIPMENT INFORMATION

APPLICATION HEREBY SUBMITTED FOR:

SOIL MITIGATION PLAN

RULE NUMBER WHICH THIS APPLICATION APPLIES TO: RULE 1166

TYPE OF PLAN APPLICATION: COMPLIANCE PLAN [ ] EXCAVATION PLAN. [X] OTHER [ ]

ALTERNATIVE EMISSION CONTROL PLAN (AECP) [ ]

EXTREME PERFORMANCE COATING CLASSIFICATION [ ]

IF THIS APPLICATION IS ASSOCIATED WITH CERTAIN DISTRICT APPLICATION(S)/PERMIT(S), ENTER APPLICATION/PERMIT NUMBER(S):

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? NO [ ] YES [ ] IF YES, ENTER NAME OF AGENCY:

DO YOU CLAIM CONFIDENTIALITY OF DATA? (SEE INSTRUCTIONS) YES [ ] NO [ ]

OPERATING SCHEDULE: (Site Specific Plans Only.)

	HOURS/DAY	DAYS/WEEK	WEEKS/YEAR
MAXIMUM			
AVERAGE			

FOR AECP PLEASE FILL IN TABLE BELOW:

	LBS/YEAR	DAYS/YEAR
ACTUAL USAGE (TWO YEARS AGO)		
ACTUAL USAGE LAST YEAR		
PROPOSED AVERAGE USE		

SIGNATURE

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT.

SIGNATURE OF RESPONSIBLE MEMBER OR ORGANIZATION: Angel Segarra DATE: 2-18-99

TYPE OR PRINT NAME OF SIGNER:	TITLE OF SIGNER	TELEPHONE NO.:
		(909) 937-2730

SCAQMD USE ONLY

APPLICATION NUMBER	EQUIP. CAT. NO.	INCR. A R DATE INITIAL	INCR. A R DATE INITIAL
351295 P 3/9/99	666115		

ASSIGNMENT UNIT	ENG.	FEE SCHEDULE	$	VALIDATION	CHECK NO.	AMOUNT	INF. SEC.
TT				MP 02/19/99	H0555180	160/60	

Rev. 2/93 3/2/99 SEE REVERSE SIDE FOR INSTRUCTIONS AND ADDITIONAL INFORMATION

3/9/99 = Left (2) messages on CB-Name - No answer - will use #116529. KS

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:	
INSPECTOR	SECTOR
ISSUE DATE	

Section I - Company Information

LEGAL NAME OF OPERATOR: ONTARIO INTERNATIONAL AIRPORTS/MAINTENANCE ☐ IRS OR ☐ S. S. NUMBER: 952002735

PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS): SAME.

BUSINESS MAILING ADDRESS: 2132 E. AVION ST. ONTARIO, CA. 91761

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS: SAME.

TYPE OF ORGANIZATION
☑ Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill In):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS)	AVERAGE ANNUAL GROSS RECEIPTS	IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED?
☐ Yes ☑ No	$ N/A.	☐ Yes ☑ No
	NUMBER OF EMPLOYEES	

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? ☑ Yes ☐ No
ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☑ Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER OF OWNER
IF NO, ENTER THE LEGAL NAME OF OWNER

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION: 2132 E AVION ST. (NUMBER/STREET)
ONTARIO (CITY OR COMMUNITY) CA, 91761 (ZIP CODE)

FACILITY NAME: N/A.
FACILITY ID NUMBER: 116529 8/4 (JS)

PRINT NAME OF CONTACT PERSON: BRIAN HEATH.
TITLE OF CONTACT PERSON: MAINTENANCE SUPERVISOR

TYPE OF BUSINESS AT THIS FACILITY	PRIMARY SIC CODE FOR THIS FACILITY	NUMBER OF EMPLOYEES AT THIS FACILITY
	____	

CONTACT PERSON'S TELEPHONE NUMBER	CONTACT PERSON'S FAX NUMBER	CONTACT PERSON'S E-MAIL ADDRESS
(909) 337-2730	( ) N/A.	N/A @

Section III - Application Type

DESCRIPTION OF EQUIPMENT: PAINT SPRAY BOOTH.
PREVIOUS PERMIT #(S): N/A.

APPLICATION FOR (SEE INSTRUCTIONS):
☑ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ Yes ☑ No

☐ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

____ 400-E-1	• PARTICULATE MATTER (PM_{10}) CONTROL EQUIPMENT	____ 400-E-13	• INTERNAL COMBUSTION EQUIPMENT
____ 400-E-2	• VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT	____ 400-E-14	• OPEN PROCESS TANK
____ 400-E-3	• SCRUBBER	____ 400-E-14a	• OPEN PROCESS TANK; PROCESS LINE
____ 400-E-4	• ABRASIVE BLASTING EQUIPMENT	____ 400-E-15	• PRINTING EQUIPMENT
____ 400-E-6	• DEGREASER	____ 400-E-16	• SOLID MATERIALS STORAGE EQUIPMENT
____ 400-E-7	• DRY CLEANING EQUIPMENT	✓ 400-E-17	• SPRAY BOOTH/OPEN SPRAY
____ 400-E-8	• ETHYLENE OXIDE STERILIZER	____ 400-E-17a	• POWDER SPRAY BOOTH
____ 400-E-9	• EXTERNAL COMBUSTION EQUIPMENT	____ 400-E-18	• STORAGE TANK (LIQUID & GASEOUS MAT'L)
____ 400-E-10	• FOOD BROILER/FRYER	____ 400-E-19	• WAVE SOLDER MACHINE
____ 400-E-11	• FUEL DISPENSING AND STORAGE EQUIPMENT	____ 400-E-20	• ASBESTOS REMOVAL EQUIPMENT
____ 400-E-12	• GAS TURBINE	____ NONE	• ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☐ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: [signature] TITLE OF RESPONSIBLE OFFICIAL OF FIRM: SUPERVISOR

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM:	RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER	DATE SIGNED:
BRIAN HEATH.	(909) 337-2730	08/05/98

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: TITLE OF PREPARER:

TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:	PREPARER'S TELEPHONE NUMBER	DATE SIGNED:
	( ) -	/ /

TITLE V FACILITIES ONLY. COMPLETE OTHER SIDE

AQMD USE ONLY

APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
343028			____/60	$ type 96	JS 8/4/98

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT N2 ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT
8/4/98 WC					2692	$ 152.10

FORM 400-A, Rev. 10/97

TITLE V APPLICATION CERTIFICATION

- TO BE COMPLETED BY TITLE V FACILITIES ONLY -

Section IV - Title V Application

1. This is an application for a(n) (Check all applicable boxes and provide the requested information as appropriate):
   a. ☐ Initial Title V Permit
   b. ☐ Permit Renewal: Provide current permit expiration date: ____/____/____
   c. ☐ Administrative Permit Revision (Check all that apply)
      ☐ Change of Ownership. (Complete and attach equipment-specific Form 400-E-xx series forms)
      ☐ Change of Facility Information
      ☐ Other, Please specify: _____
   d. ☐ Other (Complete and attach equipment specific Form 400-E-XX series form(s) to this form if your application involves permit action for new construction, change of location, non-administrative permit revision, alternative operating scenario (AOS), permit shield, streamlined permit conditions, or temporary source permit.)
2. Is this facility required to prepare a Risk Management Plan (RMP) for another agency? ☐ Yes ☐ No

Section V - Title V Submittal Checklist

1. Enter the quantity of each type form submitted in the space provided:

_____	500-A2	_____	500-F1
_____	500-B	_____	500-F2
_____	500-C1	_____	500-F3
_____	500-C2	_____	500-F4
_____	500-D	_____	Other (specify): _____

2. Additional information referenced in this application submitted (Check **ALL** that apply):
   a. ☐ Existing Facility Permit
   b. ☐ Preliminary Facility Permit
   c. ☐ EFB Report for Year _____
   d ☐ None
   e. ☐ Other (Specify): _____
3. Supplemental information included with this application submittal (Check **ALL** that apply):
   a. ☐ Facility Plot Plan
   b. ☐ MSDS Sheet(s)
   c. ☐ None
   d. ☐ Other (Specify): _____

	APPLICATION TYPE	30 DAY PUBLIC NOTICE START DATE	30 DAY PUBLIC NOTICE END DATE	PUBLIC HEARING DATE	45-DAY EPA REVIEW START DATE	45-DAY EPA REVIEW END DATE
	INITIAL, RENEWAL & SIGNIFICANT					
	MINOR & DEMINIMUS					
	ESTABLISH GENERAL PERMIT					

USE THE SECTIONS BELOW FOR TITLE V INITIAL AND RENEWAL APPLICATIONS ONLY:

APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE: $	VALIDATION
___ ___ ___ ___ ___ ___			___ ___ ___ ___ ___ ___ / ___ ___		

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT $

FORM 400-A, Rev. 10/97

APPLICATION FOR PERMIT TO CONSTRUCT AND FOR PERMIT TO OPERATE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
P.O. BOX 4944
Diamond Bar, California 91765-0944

CONT MTCE A/P
93 JAN -6 PM 2:10

FORM 400A

NC/NOV NUMBER _____
INSPECTOR _____ SECTOR _____
ISSUE DATE _____

COMPANY INFORMATION

LEGAL NAME OF APPLICANT
Ontario International Airport

☒ IRS OR ☐ S.S. NUMBER
9 5 6 0 0 0 7 3 5

PERMIT TO BE ISSUED TO: (SEE INSTRUCTIONS)
City of Los Angeles Department of Airports, Ontario International Airport

BUSINESS MAILING ADDRESS
Ontario International Airport, 2132 E. Avion St., Ontario, CA 91761

TYPE OF ORGANIZATION
☐ CORPORATION ☐ LIMITED PARTNERSHIP ☒ GOVERNMENT ENTITY
☐ INDIVIDUAL ☐ GENERAL PARTNERSHIP ☐ OTHER _____

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ YES ☒ NO
AVERAGE ANNUAL GROSS RECEIPTS:
NUMBER OF EMPLOYEES:
IS YOUR BUSINESS 51 PERCENT OR MORE WOMAN/ MINORITY OWNED? (OPTIONAL) ☐ YES ☐ NO

ARE ALL FACILITIES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL RULES? ☒ YES ☐ NO

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ YES ☐ NO
☐ IRS OR ☐ S.S. NUMBER OF THE OWNER
IF NO, ENTER LEGAL NAME OF OWNER

FACILITY INFORMATION

EQUIPMENT ADDRESS/LOCATION
Terminal Bldg. #1 (Basement) Ontario International Airport
NUMBER / STREET
Ontario
CITY OR COMMUNITY
CA 91761
ZIP CODE

FACILITY NAME
Ontario International Airport
FACILITY ID NUMBER (SEE INSTRUCTIONS)
027822
036909
074611
087753
087754

TC 7-22-93

CONTACT PERSON AND TITLE
Mario Betancourt A/C Tech.
CONTACT TELEPHONE NUMBER
(909) 988-2730
NUMBER OF EMPLOYEES AT THIS FACILITY:
35

TYPE OF BUSINESS AT THIS FACILITY
Airport
BUSINESS TYPE CODE (SEE INSTRUCTIONS)
4 5 8 0
IS THERE A SCHOOL WITHIN 1,000 FEET OF YOUR PROPERTY?
YES ☐ NO ☒

EQUIPMENT INFORMATION

EQUIPMENT DESCRIPTION (SEE INSTRUCTIONS)
Rite Water Heating Boiler S.N. 12308R9

APPLICATION FOR: (SEE INSTRUCTIONS)
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☒ EXISTING EQUIPMENT OPERATING WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE?
☒ YES ☐ NO

HAVE YOU BEEN ISSUED A NOTICE TO COMPLY (NC) OR A NOTICE OF VIOLATION (NOV) FOR THIS EQUIPMENT? ☐ YES ☒ NO
NC NUMBER: NOV NUMBER : NOTICE ISSUE DATE:
NUMBER OF EMPLOYEES NEEDED TO OPERATE THIS EQUIPMENT:

IF THE EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF PERMITTEE: PREVIOUS PERMIT NUMBER:

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED COST OF:
BASIC EQUIPMENT $ AIR POLLUTION CONTROL EQUIPMENT $

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED START DATE: ESTIMATED COMPLETION DATE:

FOR CHANGE OF PERMITTEE, LOCATION OR CONDITION, ENTER DATE OF OCCURRENCE:
FOR EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT, ENTER INITIAL OPERATION DATE: Approx. 1972

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? ☐ YES ☒ NO
IF YES, ENTER NAME: AND SUBMIT A COPY IF APPROVED
DO YOU CLAIM CONFIDENTIALITY OF DATA ? (SEE INSTRUCTIONS) ☐ YES ☒ NO

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT.

SIGNATURE
OFFICIAL TITLE OF SIGNER: Supt. of Maintenance
TYPE OR PRINT NAME OF SIGNER: John B. Lanham
TELEPHONE NUMBER: (909) 988-2730
DATE: 12/30/92

FOR DISTRICT USE ONLY

APPLICATION NUMBER: A03445 TYPE: (B) C D EQUIPMENT CATEGORY NUMBER: 011001 ASSIGNMENT UNIT G ENGINEER LBI CLASS I (II) IV ENF. SECT.

ENGR. A (R) DATE 12/31/92 INITIAL LT ENGR. (W) R DATE 1-21-93 INITIAL [illegible]

FEE SCHEDULE $ B $7000 12-30-92 H 1 of 2 GF VALIDATION 4-20-93 CHECK OR MONEY ORDER NUMBER MO304416 AMOUNT $75 —

(1 OF 2)

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

JAN -6 PM 2:11

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
P.O. BOX 4944
Diamond Bar, California 91765-0944

FORM 400A

NC/NOV NUMBER _____
INSPECTOR _____ SECTOR _____
ISSUE DATE _____

COMPANY INFORMATION

LEGAL NAME OF APPLICANT
Ontario International Airport

☒ IRS OR ☐ S.S. NUMBER
9 5 6 0 0 0 7 3 5

PERMIT TO BE ISSUED TO: (SEE INSTRUCTIONS)
City of Los Angeles Department of Airports, Ontario International Airport

BUSINESS MAILING ADDRESS
Ontario International Airport, 2132 E. Avion St., Ontario, CA 91761

TYPE OF ORGANIZATION
☐ CORPORATION ☐ LIMITED PARTNERSHIP ☒ GOVERNMENT ENTITY
☐ INDIVIDUAL ☐ GENERAL PARTNERSHIP ☐ OTHER _____

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ YES ☒ NO
AVERAGE ANNUAL GROSS RECEIPTS:
NUMBER OF EMPLOYEES:
IS YOUR BUSINESS 51 PERCENT OR MORE WOMAN/MINORITY OWNED? (OPTIONAL) ☐ YES ☐ NO

ARE ALL FACILITIES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL RULES? ☒ YES ☐ NO

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ YES ☐ NO
☐ IRS OR ☐ S.S. NUMBER OF THE OWNER
IF NO, ENTER LEGAL NAME OF OWNER

FACILITY INFORMATION

EQUIPMENT ADDRESS/LOCATION
Terminal Bldg. #1 (Basement) Ontario International Airport
NUMBER / STREET
Ontario
CITY OR COMMUNITY
CA 91761
ZIP CODE

FACILITY NAME
Ontario International Airport
FACILITY ID NUMBER (SEE INSTRUCTIONS)
027822 087753
036909 087754
074611
58 53 10

CONTACT PERSON AND TITLE
Mario Betancourt A/C Tech.
CONTACT TELEPHONE NUMBER
(909) 988-2730
NUMBER OF EMPLOYEES AT THIS FACILITY:
35

TYPE OF BUSINESS AT THIS FACILITY
Airport
BUSINESS TYPE CODE (SEE INSTRUCTIONS)
4 5 8 0
IS THERE A SCHOOL WITHIN 1,000 FEET OF YOUR PROPERTY?
YES ☐ NO ☒

EQUIPMENT INFORMATION

EQUIPMENT DESCRIPTION (SEE INSTRUCTIONS)
Rite Water Heating Boiler S.N. 12309R9

APPLICATION FOR: (SEE INSTRUCTIONS)
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☒ EXISTING EQUIPMENT OPERATING WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE?
☒ YES ☐ NO

HAVE YOU BEEN ISSUED A NOTICE TO COMPLY (NC) OR A NOTICE OF VIOLATION (NOV) FOR THIS EQUIPMENT? ☐ YES ☒ NO
NC NUMBER: NOV NUMBER: NOTICE ISSUE DATE:
NUMBER OF EMPLOYEES NEEDED TO OPERATE THIS EQUIPMENT:

IF THE EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF PERMITTEE:
PREVIOUS PERMIT NUMBER:

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED COST OF:
BASIC EQUIPMENT $
AIR POLLUTION CONTROL EQUIPMENT $

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED START DATE:
ESTIMATED COMPLETION DATE:

FOR CHANGE OF PERMITTEE, LOCATION OR CONDITION, ENTER DATE OF OCCURRENCE:
FOR EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT, ENTER INITIAL OPERATION DATE: Approx. 1972

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? ☐ YES ☒ NO
JAN 03 14:39
IF YES, ENTER NAME: AND SUBMIT A COPY IF APPROVED
DO YOU CLAIM CONFIDENTIALITY OF DATA? (SEE INSTRUCTIONS) ☐ YES ☒ NO

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT

SIGNATURE
OFFICIAL TITLE OF SIGNER: Supt. of Maintenance
TYPE OR PRINT NAME OF SIGNER: John B. Lanham
TELEPHONE NUMBER: (909) 988-2730
DATE: 12/30/92

FOR SCAQMD USE ONLY

APPLICATION NUMBER	TYPE	EQUIPMENT CATEGORY NUMBER	ASSIGNMENT UNIT / ENGINEER	CLASS	ENF. SECT.
28341	B C D	011001	G LBI	I II IV	

ENGR. A DATE	ENGR. A DATE	FEE SCHEDULE $	VALIDATION	CHECK OR MONEY ORDER NUMBER	AMOUNT
12/31/92 LI	1/3/93 TBS	B $700	7-20-93 DP 12-30-94 DP	4030441 U	875

DISTRIBUTION: WHITE - ENGINEERING CANARY - ENFORCEMENT PINK - APPLICANT

(2002)

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

P.O. BOX 4944

Diamond Bar, California 91765-0944

FORM 400A

Unitized 8/01/03

NC/NOV NUMBER _____

INSPECTOR _____ SECTOR _____

ISSUE DATE _____

COMPANY INFORMATION

LEGAL NAME OF APPLICANT: POWERINE OIL COMPANY

☒ IRS OR ☐ S.S. NUMBER: 952011697

PERMIT TO BE ISSUED TO: (SEE INSTRUCTIONS)

POWERINE OIL COMPANY

BUSINESS MAILING ADDRESS

12354 LAKELAND RD. SANTA FE SPRINGS CA. 90670-3856

TYPE OF ORGANIZATION

☒ CORPORATION ☐ LIMITED PARTNERSHIP ☐ GOVERNMENT ENTITY

☐ INDIVIDUAL ☐ GENERAL PARTNERSHIP ☐ OTHER _____

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ YES ☒ NO

AVERAGE ANNUAL GROSS RECEIPTS:

NUMBER OF EMPLOYEES: 370

IS YOUR BUSINESS 51 PERCENT OR MORE WOMAN/MINORITY OWNED? (OPTIONAL) ☐ YES ☒ NO

ARE ALL FACILITIES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL RULES? ☒ YES ☐ NO

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ YES ☐ NO

☒ IRS OR ☐ S.S. NUMBER OF THE OWNER: 952011697

IF NO, ENTER LEGAL NAME OF OWNER

FACILITY INFORMATION

EQUIPMENT ADDRESS/LOCATION

12354 LAKELAND RD.

NUMBER / STREET

SANTA FE SPRINGS CA 90670-3856

CITY OR COMMUNITY ZIP CODE

FACILITY NAME: POWERINE OIL COMPANY

FACILITY ID NUMBER (SEE INSTRUCTIONS): ~~800103~~ 022024 80 12-149286

CONTACT PERSON AND TITLE: JUNE CHRISTMAN, MGR-ENVIRONMENTAL ENGINEERING

CONTACT TELEPHONE NUMBER: (310) 944-6111

NUMBER OF EMPLOYEES AT THIS FACILITY: 370

TYPE OF BUSINESS AT THIS FACILITY: PETROLEUM REFINING

BUSINESS TYPE CODE (SEE INSTRUCTIONS): 2911

IS THERE A SCHOOL WITHIN 1,000 FEET OF YOUR PROPERTY? YES ☐ NO ☒

EQUIPMENT INFORMATION

EQUIPMENT DESCRIPTION (SEE INSTRUCTIONS)

STORAGE TANK NO. 27089 (EXISTING PTO. M31704)

APPLICATION FOR: (SEE INSTRUCTIONS)

☐ NEW CONSTRUCTION ☒ MODIFICATION ☐ CHANGE OF LOCATION

☐ EXISTING EQUIPMENT OPERATING WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION

☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ YES ☒ NO

HAVE YOU BEEN ISSUED A NOTICE TO COMPLY (NC) OR A NOTICE OF VIOLATION (NOV) FOR THIS EQUIPMENT? ☐ YES ☒ NO

NC NUMBER: NOV NUMBER : NOTICE ISSUE DATE:

NUMBER OF EMPLOYEES NEEDED TO OPERATE THIS EQUIPMENT: 1

IF THE EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF PERMITTEE: NA

PREVIOUS PERMIT NUMBER: NA

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED COST OF:

BASIC EQUIPMENT $ 10,000

AIR POLLUTION CONTROL EQUIPMENT $ NA

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED START DATE: 1ST QUARTER 1993

ESTIMATED COMPLETION DATE: 1ST QUARTER 1993

FOR CHANGE OF PERMITTEE, LOCATION OR CONDITION, ENTER DATE OF OCCURRENCE: NA

FOR EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT, ENTER INITIAL OPERATION DATE: NA

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? ☐ YES ☒ NO

IF YES, ENTER NAME: AND SUBMIT A COPY IF APPROVED

DO YOU CLAIM CONFIDENTIALITY OF DATA ? (SEE INSTRUCTIONS) ☐ YES ☒ NO

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT

SIGNATURE: June Christman

OFFICIAL TITLE OF SIGNER: MGR, ENVIRONMENTAL ENGINEERING.

TYPE OR PRINT NAME OF SIGNER: JUNE CHRISTMAN.

TELEPHONE NUMBER: (310) 944-6111

DATE: 12/9/92

SCAQMD USE ONLY

APPLICATION NUMBER: 275851

TYPE: (B) C D

EQUIPMENT CATEGORY NUMBER: 248902

ASSIGNMENT UNIT E ENGINEER

CLASS (1) II IV

ENF. SECT.

ENGR. (A) R DATE 12/11/92 INITIAL HML

ENGR. A R DATE INITIAL

FEE SCHEDULE $ C 1124

VALIDATION 12-149286

CHECK OR MONEY ORDER NUMBER 36161 AMOUNT 3934.-

DISTRIBUTION – WHITE – ENGINEERING – CANARY – ENFORCEMENT – PINK – APPLICANT

90281 6/90

1085

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731
APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

CO.ID. | | | | | | |

IF YOU HAVE AN EXISTING PERMIT ENTER ID NUMBER-IF NO PERMIT LEAVE BLANK

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
Beechcraft West - Ontario
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY): 39787

1B.
Beechcraft West - Ontario
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
2161 E. Avion Street | Ontario | CA
NUMBER STREET | CITY OR COMMUNITY | STATE

2B. 91761
ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
SAME
NUMBER STREET | CITY OR COMMUNITY | ZIP

3B.
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
Shawn A. Beaver

4B. CONTACT PHONE NO. (AREA & NO.)
(714 988-8502, Extension 247

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Avgas and Auto Fuel Farm Pad

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
Beechcraft West - Ontario (NAME) | M 33007 (PREVIOUS PERMIT NUMBER)

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☒
- CHANGE OF LOCATION ☐
- REINSTATE NON-PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☐
- CHANGE OF CONDITIONS ☐

8. TYPE OF ORGANIZATION
- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T. AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 68,000
AIR POLLUTION CONTROL EQUIPMENT $ N/A

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? 11/27/89 ESTIMATED COMPLETION DATE?

11. GENERAL NATURE OF BUSINESS
Aviation Facility

12. PRINCIPAL PRODUCT
Avgas and Auto Fuel

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAYS/WEEK 7
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☐

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
Shawn A Beaver

17. OFFICIAL TITLE OF SIGNER
Line Service Manager

18. TYPED OR PRINTED NAME OF SIGNER
Shawn A. Beaver

19. PHONE NO.
714/988-8502

20. DATE
11/13/89

SCAQMD USE

SIC NO. | EQUIP CAT NO. 290112 | SCH/STP 50 | NOV 21 1989

APPLICATION NO. 215003 | PERMIT NO. | TYPE (B) OR C | WORK UNITS A/C P/O | ASSIGNMENT UNIT 5 ENGR | CLASS (I) III IV

VALIDATION 11/16/89 | FILING FEE 1250 | CHECK OR MONEY ORDER NUMBER 324195

Form 400A PRIOR VERSIONS NOT VALID (175) (Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING KRE 11/16/89

89399-02

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

CO.ID. | | | | | | |

IF YOU HAVE AN EXISTING PERMIT ENTER ID NUMBER-IF NO PERMIT LEAVE BLANK

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
Beechcraft West - Ontario
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY) 39787

1B.
Beechcraft West - Ontario
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
2161 E. Avion Street | Ontario | CA
NUMBER STREET | CITY OR COMMUNITY | STATE

2B. 91761
ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
SAME
NUMBER STREET | CITY OR COMMUNITY | ZIP

3B.
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
Shawn A. Beaver

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 988-8502, Extension 247

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Tank #1, 25,000 Gallon Jet-A Storage Tank

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
Beechcraft West - Ontario (NAME) | M 33007 (PREVIOUS PERMIT NUMBER)

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION [ ]
- ALTERATION [X]
- CHANGE OF LOCATION [ ]
- REINSTATE NON-PAYMENT P/O FEES DUE [ ]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [ ]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T. AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 68,000
AIR POLLUTION CONTROL EQUIPMENT $ N/A

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

11. GENERAL NATURE OF BUSINESS
Aviation Facility

12. PRINCIPAL PRODUCT
Jet-A Fuel

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAYS/WEEK 7
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES [ ] NO [ ]

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES? YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
Shawn A. Beaver

17. OFFICIAL TITLE OF SIGNER
Line Service Manager

18. TYPED OR PRINTED NAME OF SIGNER
Shawn A. Beaver

19. PHONE NO.
714/988-8502

20. DATE
11/13/89

SCAQMD USE

SIC NO. | | EQUIP CAT NO. 29990 / _ _ | SCHASTP KA

APPLICATION NO. 215005 | PERMIT NO. | TYPE (B) OR C | WORK UNITS A/C P/O | ASSIGNMENT UNIT 5 ENGR | CLASS (I) II III IV

VALIDATION 11/16/89 | FILING FEE $1,250 | CHECK OR MONEY ORDER NUMBER 324195

Form 400A PRIOR VERSIONS NOT VALID (3/95) (Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

KDE 11/16/89

89399-02

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

CO.ID. | | | | | | |

IF YOU HAVE AN EXISTING PERMIT ENTER ID NUMBER-IF NO PERMIT LEAVE BLANK

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
Beechcraft West - Ontario
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY) 39787

1B.
Beechcraft West - Ontario
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
2161 E. Avion Street | Ontario | CA
NUMBER STREET | CITY OR COMMUNITY | STATE

2B. 91761
ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
SAME
NUMBER STREET | CITY OR COMMUNITY | ZIP

3B.
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
Shawn A. Beaver

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 988-8502, Extension 247

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Tank #2, 25,000 Gallon Jet-A Storage Tank

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
Beechcraft West - Ontario (NAME) | M 33007 (PREVIOUS PERMIT NUMBER)

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION [ ]
- ALTERATION [X]
- CHANGE OF LOCATION [ ]
- REINSTATE NON-PAYMENT P/O FEES DUE [ ]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [ ]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T. AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 68,000
AIR POLLUTION CONTROL EQUIPMENT $ N/A

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

11. GENERAL NATURE OF BUSINESS
Aviation facility

12. PRINCIPAL PRODUCT
Jet-A Fuel

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAYS/WEEK 7
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES [ ] NO [ ]

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
Shawn A. Beaver

17. OFFICIAL TITLE OF SIGNER
Line Service Manager

18. TYPED OR PRINTED NAME OF SIGNER
Shawn A. Beaver

19. PHONE NO.
714/988-8502

20. DATE
11/13/89

SCAQMD USE

SIC NO. | EQUIP CAT NO. 299900 | SCA/SIP NA

APPLICATION NO. 215006 | PERMIT NO. | TYPE (B OR C) C | WORK UNITS A/C P/O | ASSIGNMENT UNIT 5 ENGR | CLASS (I) II III IV

VALIDATION 11/16/89 | FILING FEE $ 1,250 | CHECK OR MONEY ORDER NUMBER 324195 (C)

Form 400A PRIOR VERSIONS NOT VALID (425) (Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING KAE 11/16/89

88399-02

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

CO.ID. | | | | | | |

IF YOU HAVE AN EXISTING PERMIT ENTER ID NUMBER-IF NO PERMIT LEAVE BLANK

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
Beechcraft West - Ontario
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY): 39787

1B.
Beechcraft West - Ontario
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
2161 E. Avion Street | Ontario | CA
NUMBER STREET | CITY OR COMMUNITY | STATE

2B. ZIP CODE: 91761

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
SAME
NUMBER STREET | CITY OR COMMUNITY | ZIP

3B. NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
Shawn A. Beaver

4B. CONTACT PHONE NO. (AREA & NO.)
(714 988-8502 Extension 247

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Tank #3, 15,000 Gallon Jet-A Storage Tank

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
Beechcraft West - Ontario (NAME) | M 33007 (PREVIOUS PERMIT NUMBER)

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION [ ]
- ALTERATION [X]
- CHANGE OF LOCATION [ ]
- REINSTATE NON-PAYMENT P/O FEES DUE [ ]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [ ]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T. AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 68,000
AIR POLLUTION CONTROL EQUIPMENT $ N/A

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

11. GENERAL NATURE OF BUSINESS
Aviation Facility

12. PRINCIPAL PRODUCT
Jet-A Fuel

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAYS/WEEK 7
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES [ ] NO [ ]

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
Shawn A Beaver

17. OFFICIAL TITLE OF SIGNER
Line Service Manager

18. TYPED OR PRINTED NAME OF SIGNER
Shawn A. Beaver

19. PHONE NO.
714/988-8502

20. DATE
11/13/89

SCAQMD USE

SIC NO. | EQUIP CAT NO. 299900 | BCHASTP 8A NOV 21 1989

APPLICATION NO. 215007 | PERMIT NO. | TYPE (B OR C) | WORK UNITS A/C P/O | ASSIGNMENT UNIT 5 ENGR | CLASS I II III IV

VALIDATION 11/16/89 | FILING FEE $ 1,250 | CHECK OR MONEY ORDER NUMBER 324195

Form 400A PRIOR VERSIONS NOT VALID

(Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

5 of 5

RLE 11/16/89

89399-02

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 FLAIR DRIVE, EL MONTE, CA 91731 (818)572-6212

APPLICATION FOR PERMIT TO CONSTRUCT/OPERATE FOR FUEL STORAGE & DISPENSING FACILITY

CL | CO
KH | CO

1. BUSINESS LICENSE NAME: Beechcraft West — CORPORATION[X] PARTNERSHIP[ ] INDIV.OWNERSHIP[ ]

2. LOCATION ADDRESS: 2161 E. Avion Street — LOCATION CITY: Ontario — ZIP CODE: 91761

3. LOCATION COUNTY: LOS ANGELES[ ]1 ORANGE[ ]2 RIVERSIDE[ ]3 SAN BERNARDINO[X]4

4. MAILING ADDRESS: 2161 E. Avion Street — CITY: Ontario — STATE: CA — ZIP CODE: 91761

40

5. APPLICATION TYPE: NEW FACILITY[ ]1 ALTERATION[ ]2 CHANGE OF OWNERSHIP[ ]3 EXISTING DIESEL TANK[X]4
GAS
CO. ID # _____ PREVIOUS PERMIT # M 33007
FOR ALTERATION: #TANKS ADD _____ REMOVE _____ REPLACE _____ #NOZZLES ADD _____ REMOVE _____
ADDITION OF PHASE I CONTROL _____ ADDITION OF PHASE II CONTROL _____ ADDITION OF SUBMERGED FILL _____

6. BUSINESS TYPE: (CHECK ONE BOX ONLY)
RETAIL [X]1 CONSUMER ACCOUNT [ ]2 GOVERNMENT AGENCY [ ]3
FOR CONSUMER ACCOUNT AND GOVERNMENT AGENCY, DO YOU OWN ANY FLEET VEHICLES? YES[ ] NO[ ]
IF YES, TOTAL NUMBER OF FLEET VEHICLES: _____

7. BOARD OF EQUALIZATION NUMBER: SR EHA 13 767696

8. VAPOR RECOVERY SYSTEMS: (See Reverse Side For Instructions)
PHASE I ONLY[ ]1 PHASE II ONLY[X]2 BOTH PHASE I & II[ ]3 EXEMPT[ ]5

9. TANK AND NOZZLE INFORMATION: (Please List All Tanks And Nozzles On Premises)
(See Reverse Side For Instructions)

TYPE	NUMBER OF TANKS	TANK CAPACITY (GALLONS)	THRUPUT (GAL/YEAR)	NUMBER OF NOZZLES	CONTROL TYPE (Phase II)	UNDERGROUND [1] OR ABOVEGROUND [2]
GASOLINE	1	6,000	12,000	1	91	[1]
METHANOL						[ ]
DIESEL						[ ]
LPG						[ ]
WASTE OIL						[ ]
OTHER						[ ]
						[ ]

10. METHANOL COMPATIBLE TANK INFORMATION: (See Reverse Side For Instructions)
DO YOU HAVE ANY EXISTING METHANOL COMPATIBLE TANKS WHICH HAVE A FUEL STORAGE AND DISPENSING PERMIT? YES[ ] NO[ ]
IF YES, PERMIT # _____
IF NO, YOU MUST SUBMIT CERTIFICATION FROM THE MANUFACTURER WITH THE APPLICATION FOR:
A. METHANOL TANKS
B. SEALS, FITTINGS AND PIPING

11. INSTALLATION DATE: [redacted] — 12. NOTICE TO COMPLY #:

SIGNATURE: — TITLE: Line Service Manager — DATE: 11/16/89

PRINT NAME: Shawn A. Beaver — TELEPHONE: (714) 988-8502, Ext. 247

CONTRACTOR'S NAME, ADDRESS AND TELEPHONE NUMBER:
D. L. T. Consturction, Inc., 605 Winslow Ave., Long Beach, CA 90814 (213) 498-3753

SCAQMD USE ONLY CO. ID#: 39787 — APPLICATION NO: 218754

TRANSACTION CODE: DATE: 12-21-89 — CHECK NO: 324380 — AMOUNT: ~~$85.00~~

BEECH CRAFT WEST NO R461 APPS.

APPLICATION FOR PERM. TO CONSTRUCT AND PERM. TO OPERATE

FORM 400A

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
P.O. BOX 4944
AQMD Diamond Bar, California 91765-0944

NC/NOV NUMBER	
INSPECTOR	SECTOR
ISSUE DATE	

COMPANY INFORMATION

LEGAL NAME OF APPLICANT: MERCURY AIR GROUP, INC.
☑ IRS OR ☐ S.S. NUMBER: 1 1 1 8 0 0 5 1 5

PERMIT TO BE ISSUED TO: (SEE INSTRUCTIONS) MERCURY AIR CENTER

BUSINESS MAILING ADDRESS: 2161 EAST AVION ST. ONTARIO CA. 91761

TYPE OF ORGANIZATION
☑ CORPORATION ☐ LIMITED PARTNERSHIP ☐ GOVERNMENT ENTITY
☐ INDIVIDUAL ☐ GENERAL PARTNERSHIP ☐ OTHER

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ YES ☑ NO
AVERAGE ANNUAL GROSS RECEIPTS:
NUMBER OF EMPLOYEES: 31
IS YOUR BUSINESS 51 PERCENT OR MORE WOMAN/MINORITY OWNED? (OPTIONAL) ☐ YES ☑ NO

ARE ALL FACILITIES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL RULES? ☑ YES ☐ NO

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☑ YES ☐ NO
IF NO, ENTER LEGAL NAME OF OWNER
☐ IRS OR ☐ S.S. NUMBER OF THE OWNER

FACILITY INFORMATION

EQUIPMENT ADDRESS/LOCATION: 2161 EAST AVION ST.
NUMBER/STREET
ONTARIO
CITY OR COMMUNITY
CA 91761
ZIP CODE

FACILITY NAME: ONTARIO #70
FACILITY ID NUMBER (SEE INSTRUCTIONS): 1 1 4 3 3 8

CONTACT PERSON AND TITLE: SHAWN A. BEAVER GENERAL MANAGER
CONTACT TELEPHONE NUMBER: 909 390-2370
NUMBER OF EMPLOYEES AT THIS FACILITY:

TYPE OF BUSINESS AT THIS FACILITY: AVIATION
BUSINESS TYPE CODE (SEE INSTRUCTIONS)
IS THERE A SCHOOL WITHIN 1,000 FEET OF YOUR PROPERTY? ☐ YES ☑ NO

EQUIPMENT INFORMATION

EQUIPMENT DESCRIPTION (SEE INSTRUCTIONS): SERVICE STATION STORAGE AND DISPENSING

APPLICATION FOR: (SEE INSTRUCTIONS)
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT OPERATING WITHOUT PERMIT ☑ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ YES ☑ NO

HAVE YOU BEEN ISSUED A NOTICE TO COMPLY (NC) OR A NOTICE OF VIOLATION (NOV) FOR THIS EQUIPMENT? ☐ YES ☐ NO
NC NUMBER: NOV NUMBER: NOTICE ISSUE DATE:

HOW MANY PERMANENT OR FULL TIME JOBS WERE CREATED BY THE ADDITION OF OR MODIFICATION TO THIS EQUIPMENT:

IF THE EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF PERMITTEE: APCO
PREVIOUS PERMIT NUMBER: 212759 ID 19787

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED COST OF:
BASIC EQUIPMENT $ N/A
AIR POLLUTION CONTROL EQUIPMENT $ MQ5369

FOR NEW CONSTRUCTION OR MODIFICATION: ENTER ESTIMATED START DATE: N/A
ESTIMATED COMPLETION DATE:

FOR CHANGE OF PERMITTEE, LOCATION OR CONDITION, ENTER DATE OF OCCURRENCE: 8/29/96
FOR EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT, ENTER INITIAL OPERATION DATE:

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT(CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? ☐ YES ☐ NO
IF YES, ENTER NAME: AND SUBMIT A COPY IF APPROVED

DO YOU CLAIM CONFIDENTIALITY OF DATA? (SEE INSTRUCTIONS) ☐ YES ☑ NO

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT

SIGNATURE

OFFICIAL TITLE OF SIGNER: GENERAL MANAGER

TYPE OR PRINT NAME OF SIGNER: SHAWN A. BEAVER
TELEPHONE NUMBER: 909 390-2370
DATE

SCAQMD USE ONLY

APPLICATION NUMBER	TYPE	EQUIPMENT CATEGORY NUMBER	ASSIGNMENT	CLASS	ENF.
334009 12/1/97	(B) C D	24A915 /	UNIT H ENGINEER	I (II) IV	SECT.

ENGR.	ENGR.	FEE SCHEDULE $	VALIDATION	CHECK OR MONEY ORDER NUMBER	AMOUNT
(A) R DATE 11/14/97 INITIAL TT	A R DATE INITIAL		11-14-97	78884	524.20

DISTRIBUTION: WHITE - ENGINEERING CANARY - COMPLIANCE PINK - APPLICANT

1 of 3

APPLICATION FOR PERM. TO CONSTRUCT AND PERM TO OPERATE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
P.O. BOX 4944
AQMD Diamond Bar, California 91765-0944

FORM 400A

NC/NOV NUMBER	
INSPECTOR	SECTOR
ISSUE DATE	

COMPANY INFORMATION

LEGAL NAME OF APPLICANT: MERCURY AIR GROUP, INC.
☑ IRS OR ☐ S.S. NUMBER: 1 1 1 8 0 0 5 1 5

PERMIT TO BE ISSUED TO: (SEE INSTRUCTIONS) MERCURY AIR CENTER

BUSINESS MAILING ADDRESS: 2161 EAST AVION ST. ONTARIO CA. 91761

TYPE OF ORGANIZATION
☑ CORPORATION ☐ LIMITED PARTNERSHIP ☐ GOVERNMENT ENTITY
☐ INDIVIDUAL ☐ GENERAL PARTNERSHIP ☐ OTHER

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ YES ☑ NO
AVERAGE ANNUAL GROSS RECEIPTS
NUMBER OF EMPLOYEES: 31
IS YOUR BUSINESS 51 PERCENT OR MORE WOMAN/MINORITY OWNED? (OPTIONAL) ☐ YES ☑ NO

ARE ALL FACILITIES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL RULES? ☑ YES ☐ NO

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☑ YES ☐ NO
☐ IRS OR ☐ S.S. NUMBER OF THE OWNER

IF NO, ENTER LEGAL NAME OF OWNER

FACILITY INFORMATION

EQUIPMENT ADDRESS/LOCATION: 2161 EAST AVION ST.
NUMBER/STREET
ONTARIO CA 91761
CITY OR COMMUNITY ZIP CODE

FACILITY NAME: ONTARIO #70
FACILITY ID NUMBER (SEE INSTRUCTIONS): 1 1 7 3 8

CONTACT PERSON AND TITLE: SHAWN A. BEAVER GENERAL MANAGER
CONTACT TELEPHONE NUMBER: 909 390-2370
NUMBER OF EMPLOYEES AT THIS FACILITY: 31

TYPE OF BUSINESS AT THIS FACILITY: AVIATION
BUSINESS TYPE CODE (SEE INSTRUCTIONS)
IS THERE A SCHOOL WITHIN 1,000 FEET OF YOUR PROPERTY? ☐ YES ☑ NO

EQUIPMENT INFORMATION

EQUIPMENT DESCRIPTION (SEE INSTRUCTIONS): SERVICE STATION STORAGE AND DISPENSING

APPLICATION FOR: (SEE INSTRUCTIONS)
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT OPERATING WITHOUT PERMIT ☑ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ YES ☑ NO

HAVE YOU BEEN ISSUED A NOTICE TO COMPLY (NC) OR A NOTICE OF VIOLATION (NOV) FOR THIS EQUIPMENT? ☐ YES ☐ NO
NC NUMBER: NOV NUMBER: NOTICE ISSUE DATE:

HOW MANY PERMANENT OR FULL TIME JOBS WERE CREATED BY THE ADDITION OF OR MODIFICATION TO THIS EQUIPMENT:

IF THE EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF PERMITTEE: ~~MERCURY AIR GROUP~~
PREVIOUS PERMIT NUMBER: D98049

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED COST OF:
BASIC EQUIPMENT $ N/A
AIR POLLUTION CONTROL EQUIPMENT $ ~~32~~ 337 D67130

FOR NEW CONSTRUCTION OR MODIFICATION: ENTER ESTIMATED START DATE: N/A
ESTIMATED COMPLETION DATE: 2-2-98

FOR CHANGE OF PERMITTEE, LOCATION OR CONDITION, ENTER DATE OF OCCURRENCE: 8/29/96
FOR EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT, ENTER INITIAL OPERATION DATE: 11/8 2-2-98

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT(CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? ☐ YES ☐ NO
IF YES, ENTER NAME: AND SUBMIT A COPY IF APPROVED
DO YOU CLAIM CONFIDENTIALITY OF DATA? (SEE INSTRUCTIONS) ☐ YES ☑ NO

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT

SIGNATURE

OFFICIAL TITLE OF SIGNER: GENERAL MANAGER

TYPE OR PRINT NAME OF SIGNER: SHAWN A. BEAVER
TELEPHONE NUMBER: (909 390- 2370
DATE

SCAQMD USE ONLY

APPLICATION NUMBER	TYPE	EQUIPMENT CATEGORY NUMBER	ASSIGNMENT	CLASS	ENF.
334011 11/17/97	(R) C D	240112 /	UNIT 44 ENGINEER	I (II) IV	SECT.

ENGR.	ENGR.	FEE SCHEDULE $	VALIDATION	CHECK OR MONEY ORDER NUMBER	AMOUNT
11/14/97 TT			11-14-97	28884	574.20
A R DATE INITIAL	A R DATE INITIAL				

DISTRIBUTION: WHITE - ENGINEERING CANARY - COMPLIANCE PINK - APPLICANT

7 of 8

APPLICATION FOR PERM. TO CONSTRUCT AND PERM. TO OPERATE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
P.O. BOX 4944
Diamond Bar, California 91765-0944

FORM 400A

NC/NOV NUMBER
INSPECTOR SECTOR
ISSUE DATE

COMPANY INFORMATION

LEGAL NAME OF APPLICANT: MERCURY AIR GROUP INC. ☑ IRS OR ☐ S.S. NUMBER: 1 1 1 8 0 0 5 1 5

PERMIT TO BE ISSUED TO: (SEE INSTRUCTIONS) MERCURY AIR CENTER

BUSINESS MAILING ADDRESS: 2161 EAST AVION ST. ONTARIO CA. 91761

TYPE OF ORGANIZATION
☑ CORPORATION ☐ LIMITED PARTNERSHIP ☐ GOVERNMENT ENTITY
☐ INDIVIDUAL ☐ GENERAL PARTNERSHIP ☐ OTHER

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ YES ☑ NO
AVERAGE ANNUAL GROSS RECEIPTS:
NUMBER OF EMPLOYEES: 31
IS YOUR BUSINESS 51 PERCENT OR MORE WOMAN/MINORITY OWNED? (OPTIONAL) ☐ YES ☑ NO

ARE ALL FACILITIES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL RULES? ☑ YES ☐ NO

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☑ YES ☐ NO
☐ IRS OR ☐ S.S. NUMBER OF THE OWNER
IF NO, ENTER LEGAL NAME OF OWNER

FACILITY INFORMATION

EQUIPMENT ADDRESS/LOCATION: 2161 EAST AVION ST.
NUMBER/STREET
ONTARIO CA 91761
CITY OR COMMUNITY ZIP CODE

FACILITY NAME: ONTARIO # 70
FACILITY ID NUMBER (SEE INSTRUCTIONS): 1 V 4 3 3 8

CONTACT PERSON AND TITLE: SHAWN A. BEAVER, GENERAL MANAGER
CONTACT TELEPHONE NUMBER: 909 390-2370

NUMBER OF EMPLOYEES AT THIS FACILITY: 31

TYPE OF BUSINESS AT THIS FACILITY: AVIATION
BUSINESS TYPE CODE (SEE INSTRUCTIONS)

IS THERE A SCHOOL WITHIN 1,000 FEET OF YOUR PROPERTY? ☐ YES ☑ NO

EQUIPMENT INFORMATION

EQUIPMENT DESCRIPTION (SEE INSTRUCTIONS): BULK LOAD TRK RACK ETHYLEN

APPLICATION FOR: (SEE INSTRUCTIONS)
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT OPERATING WITHOUT PERMIT ☑ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ YES ☑ NO

HAVE YOU BEEN ISSUED A NOTICE TO COMPLY (NC) OR A NOTICE OF VIOLATION (NOV) FOR THIS EQUIPMENT? ☐ YES ☑ NO
NC NUMBER: NOV NUMBER: NOTICE ISSUE DATE:

HOW MANY PERMANENT OR FULL TIME JOBS WERE CREATED BY THE ADDITION OF OR MODIFICATION TO THIS EQUIPMENT:

IF THE EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF PERMITTEE: Penalty D68049
PREVIOUS PERMIT NUMBER: 21504

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED COST OF:
BASIC EQUIPMENT $: N/A
AIR POLLUTION CONTROL EQUIPMENT $: 39183

FOR NEW CONSTRUCTION OR MODIFICATION: ENTER ESTIMATED START DATE: N/A
ESTIMATED COMPLETION DATE:

FOR CHANGE OF PERMITTEE, LOCATION OR CONDITION, ENTER DATE OF OCCURRENCE: 8/29/96
FOR EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT, ENTER INITIAL OPERATION DATE:

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT(CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? ☐ YES ☐ NO
IF YES, ENTER NAME: AND SUBMIT A COPY IF APPROVED

DO YOU CLAIM CONFIDENTIALITY OF DATA? (SEE INSTRUCTIONS) ☐ YES ☑ NO

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT

SIGNATURE

OFFICIAL TITLE OF SIGNER: GENERAL MANAGER

TYPE OR PRINT NAME OF SIGNER: SHAWN A. BEAVER
TELEPHONE NUMBER: 909 390-2370
DATE

SCAQMD USE ONLY

APPLICATION NUMBER	TYPE	EQUIPMENT CATEGORY NUMBER	ASSIGNMENT	CLASS	ENF.
33501 3 12/17/97	B C D	229200 /	UNIT 44 ENGINEER	I II IV	SECT.

ENGR. 11/14/97 TT	ENGR.	FEE SCHEDULE $	VALIDATION	CHECK OR MONEY ORDER NUMBER	AMOUNT
R DATE INITIAL	A R DATE INITIAL		11-19-97	78884	524.20

DISTRIBUTION: WHITE - ENGINEERING CANARY - COMPLIANCE PINK - APPLICANT

3 of 3

South Coast Air Quality Management District P. O. Box 4944 Diamond Bar, CA 91765 (909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.

NC/NOV NUMBER:

Title V Facilities: Complete both sides of this form. Include additional forms as necessary. **INSPECTOR** **SECTOR**

ISSUE DATE

LEGAL NAME OF OPERATOR ☒ IRS OR ☐ S. S. NUMBER **111800515**

MERCURY AIR CENTER

PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS) **Mercury Air Center**

BUSINESS MAILING ADDRESS **2161 East Avion, Street, Ontario, CA 91761**

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS Same

TYPE OF ORGANIZATION ☒ **Corporation** ☐ Limited Partnership ☐ Government Entity

☐ Individual ☐ General Partnership ☐ Other (Fill in):_____

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ Yes ☒ **No** AVERAGE ANNUAL GROSS RECEIPTS **$153,600**

NUMBER OF EMPLOYEES **3** IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED? ☐ Yes ☒ **No**

This Section is required for ALL APPLICATIONS FOR NEW CONSTRUCTION or major modifications. ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? ☒ **Yes** ☐ No

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ **Yes** ☐ No ☐ IRS OR ☐ S. S.

NUMBER OF OWNER IF NO, ENTER THE LEGAL NAME OF OWNER _____ — — — — — — — — —

EQUIPMENT ADDRESS/LOCATION **2161 East Avion Steet, Ontario, CA 91761** FACILITY NAME **Mercury Air Center**

FACILITY ID NUMBER **114338**

PRINT NAME OF CONTACT PERSON **Shawn Beaver** TITLE OF CONTACT PERSON **General Manager**

TYPE OF BUSINESS AT THIS FACILITY **Aircraft and Vehicle Refueling** PRIMARY SIC CODE FOR THIS FACILITY: **5171**

Number of Employees at this facility **39**

CONTACT PERSON'S TELEPHONE NUMBER **(909) 390-2370** CONTACT PERSON'S FAX NUMBER **(909) 390-2375**

CONTACT PERSON'S E-MAIL ADDRESS **N/A**

DESCRIPTION OF EQUIPMENT: **Mobile Refueler** PREVIOUS PERMIT #(S):

APPLICATION FOR (SEE INSTRUCTIONS): **NEW CONSTRUCTION** ☒ MODIFICATION ☐ CHANGE OF LOCATION ☐EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION ☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☒ **Yes** ☐ No

Application for Non-Title V equipment Permit. CHECK the supplemental Series 400-e-xx form(S) SUBMITTED WITH THIS 400-A FORM:

_____	400-E-1	• Particulate Matter (PM_{10}) Control Equipment	400-E-13	• Internal combustion equipment
	400-E-2	• Volatile organic compound (voc) control equipment	400-E-14	• Open process tank _____
	400-E-3	• Scrubber _____	400-E-14a	• open process tank; process line
	400-E-4	• Abrasive blasting equipment	400-E-15	• printing equipment
	400-E-6	• degreaser_	400-E-16	• solid materials storage equipment
	400-E-7	• dry cleaning equipment _____	400-E-17	• spray booth/open spray
	400-E-8	• ethylene oxide sterilizer	400-E-17a	• powder spray booth _____
	400-E-9	• external combustion equipment _____	400-E-18	• storage tank (liquid & gaseous mat'l)
	400-E-10	• food broiler/fryer _____	400-E-19	• wave solder machine _____
XXXXX	400-E-11	• fuel dispensing and storage equipment _____	400-E-20	• Asbestos removal Equipment
	400-E-12	• Gas turbine_____	None	• additional information submitted as requested on form
	400-E-GI			

APPLICATION FOR TITLE v facility PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: _____ **TITLE OF RESPONSIBLE OFFICIAL OF FIRM:** **Counsel for Mercury Air Center**

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: **Victoria E. Moss**

Responsible official's TELEPHONE NUMBER **(949)263-6777** DATE signed: **9/28/99**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT. SIGNATURE OF PREPARER,

_____

TITLE OF PREPARER: **Counsel for Mercury Air Center**

TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:

Same Preparer's TELEPHONE NUMBER : Same DATE signed: **9/28/99**

Unit 1661 310.20

J (A) san B 248916 10/1/99

S.C.A.O.I.L.D.
REVENUE RECEIVING

'99 SEP 30 A9:07

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

Form 400-A must accompany all submittals.

FUEL DISPENSING AND STORAGE EQUIPMENT
FORM 400 - E - 11

(See Form 400-E-11 supplement for requirements and instructions)

For:	Change of location, equipment w/expired permit, or change of operator:	ALL other application types: Submit all other information requested and:
Title V Facilities	Complete Sections I, IV, & V	Complete Sections I, II, III, IV, & V
All Other Facilities	Complete Sections I & IV	Complete Sections I, II, III, & IV

Section I: Facility/Application Information

1. Business Name: Mercury Air Group Facility ID: _____
2. Property Zone:
   a. ☐ Commercial c. ☐ Industrial e. ☒ Other (specify): Airport
   b. ☐ Residential d. ☐ Parking
3. Business Type: a. ☐ Retail b. ☒ Non-Retail
   For Non-Retail, do you own any fleet vehicles?
   ☐ No ☒ Yes, Total number of fleet vehicles 17
   For Retail, has the owner/operator attended a SCAQMD approved Rule 461 training course?
   ☐ No ☐ Yes Date of Course Completion: ___/___/___
4. The requested application is for a(n): Date of Occurrence: ___/___/___
   a. ☐ New Construction b. ☐ Change of Location
   c. ☒ Modification of Equipment/Process d. ☐ Existing Equipment with Expired Permit
   e. ☐ Existing Equipment Operating without a Permit; Initial Operation Date: ___/___/___
   f. ☐ Change of Condition(s); Specify the change of condition(s) requested: _____
   g. ☐ Change of Operator; List previous name of operator and Facility ID #: _____
5. If equipment has previous written permit, list Permit Number or Device Number(s): 351996
   a. Write Rule 301 description of this equipment/process: _____
6. Are multiple applications being submitted for similar permit units (as defined in Rule 301) described below?
   ☐ No ☒ Yes
7. Have you been issued a Notice to Comply (NTC) or Notice of Violation (NOV) for this equipment?
   ☒ No ☐ Yes; NTC #: _____ NOV #: _____ Issue Date: ___/___/___
8. For New Construction, Modification, or Change of Location:
   Estimated Construction Start Date: 12/01/99 Estimated Completion Date: 04/01/00
9. For this project, has a California Environmental Quality Act (CEQA) document been required by another governmental agency? ☒ No ☐ Yes, for agency (Provide name): _____
   a. Are you required by another governmental agency to have a permit? ☒ No ☐ Yes, for agency (Provide name) _____
   b. Are any of these permits discretionary? ☒ No ☐ Yes; list: _____
10. Do you claim confidentiality of data? ☒ No ☐ Yes (attach explanation)
11. Is the equipment located within 1,000 feet from the outer boundary of a school? ☒ No ☐ Yes
    (If Yes, complete a. for all public or private school, grade K-12, within a 1/4 mile radius of facility property)
    a. School Name(s): _____ Telephone No(s): _____
    School Address(s): _____

Section II: Equipment Information

1. NOZZLE INFORMATION: Indicate Number of New, Existing, or Removed Nozzles for Each Fuel Type

Fuel Type	New	Existing	Removed	Vapor Recovery Type	Maximum Monthly Throughput (gallons)	Maximum Single Day Throughput (gallons)	Installation Date
Unleaded		2		None	25,000	300,000	(I) 1989

TURN OVER AND COMPLETE

AQMD USE ONLY	APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
	___ ___ ___ ___ ___ ___			___ ___ ___ ___ ___ ___ / ___ ___	$	

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT	ENGINEER	ENF. SECT.	CHECK/MONEY ORDER AMOUNT # $

2. If Phase II Vapor Recovery System is not mentioned on Form-E-11 Instructions, provide CARB Executive Order (EO) Number: _____

3. **UNDERGROUND STORAGE TANK INFORMATION: Fill-in or Check the Appropriate Columns**

			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	

4. Are any of these storage tanks dual compartment? a. ☐ No b. ☐ Yes, Provide information for other compartments above.

5. Do You Have Any Existing Methanol Compatible Tanks Which Have a Fuel Storage and Dispensing Permit?
a. ☐ Yes, Permit #_____ or Device #_____ b. ☐ No
For all new construction or tank replacement application(s), you must submit methanol certification from the tank manufacturer.

6. **ABOVEGROUND STORAGE TANK INFORMATION: Fill-in or Check the Appropriate Columns**

1	UNLEADED	700			NA	50	☐	☒	☐	☒	☐	
1	DIESEL	500			NA	50	☐	☒	☐	☒	☐	
							☐	☐	☐	☐	☐	

7. Are any of these storage tanks dual compartment? a. ☐ No b. ☐ Yes, Provide information for other compartments above.

8. **DISPENSER INFORMATION: Indicate Number of New, Existing, or Removed Dispensers**

CHEVY	C-40		☐	☒	☐		1	1	
			☐	☐	☐				
			☐	☐	☐				
			☐	☐	☐				
			☐	☐	☐				

Section III - Operation Information

1. Vehicle Fueling: 24 hours/day Operating Hours: 365 days/year

2. **FOR ALTERATIONS OF EXISTING EQUIPMENT - THROUGHPUT RECORDS FOR THE PAST 2 YEARS**

3. **FUELING POSITION INFORMATION**

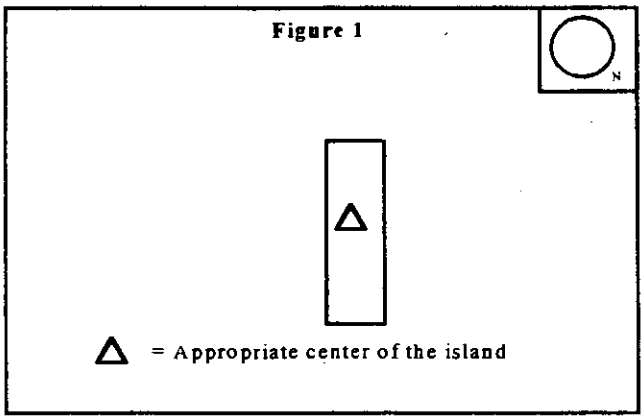
Total Number of Fueling Positions After Alteration or New Construction	Total Number of Fueling Positions Prior to Alteration (For Alterations Only)
2	

4. For new construction or vent pipe relocations, submit a plot plan identifying island locations, dispenser locations, vent pipe locations, and structures surrounding the property line. Have you included this plot plan with this application? a. ☐ Yes b. ☐ No

5. Identify which one of the following layouts on pages 3 and 4 most accurately represents your facility's configuration (fuel pump islands and set-up). In addition, identify the direction of North by placing an arrow in the circle provided and identify dispenser location by placing a dot on the island configuration. If none of the figures below apply to your facility, complete Figure 9 by sketching the layout of your fuel pump islands. Using the same format as below, number each island and indicate the distances between them.

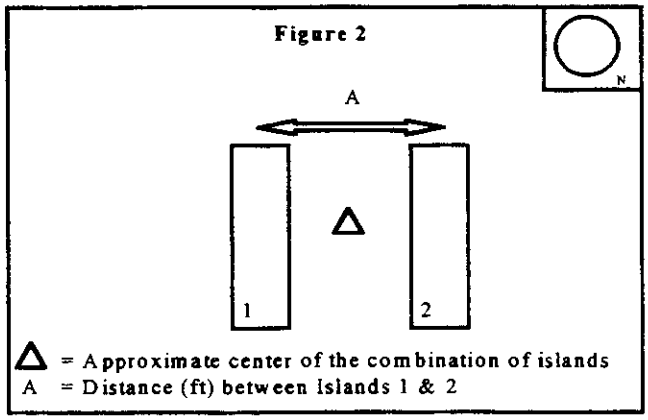
Figure_____ Distance A: _____ FT Distance B: _____ FT Distance C: _____ FT

Figure 1



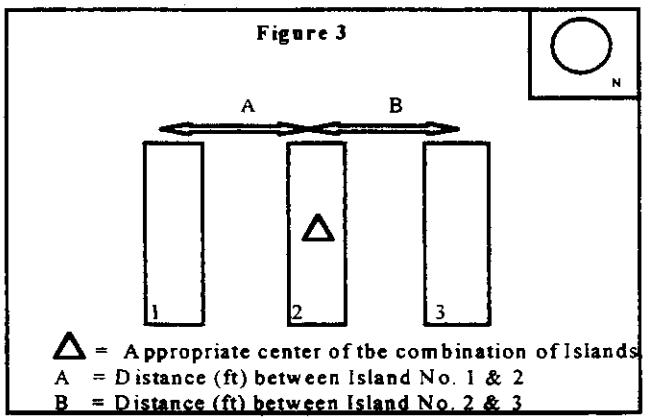
△ = Appropriate center of the island

Figure 2



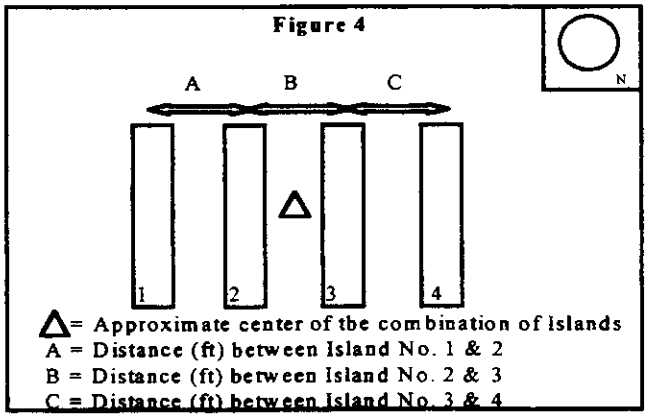
△ = Approximate center of the combination of islands
A = Distance (ft) between Islands 1 & 2

Figure 3



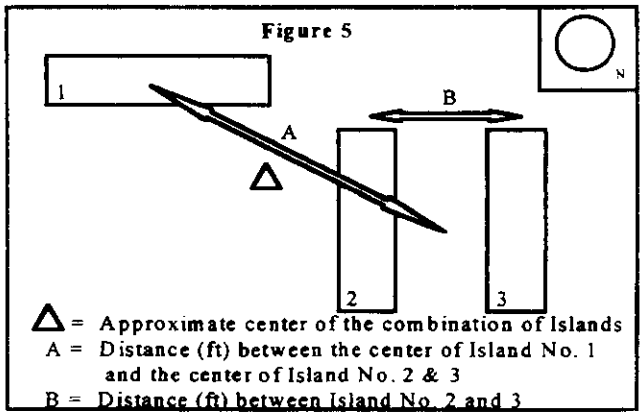
△ = Appropriate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 2 & 3

Figure 4



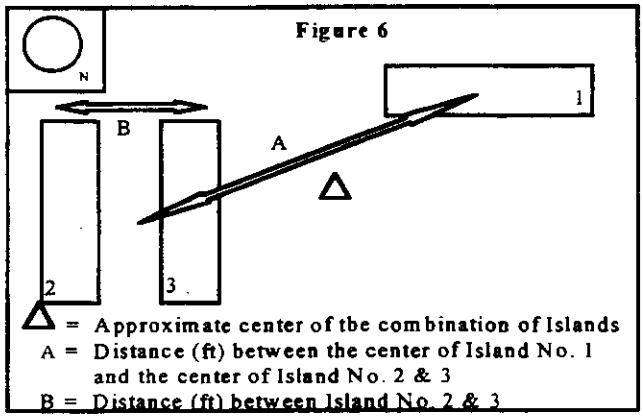
△ = Approximate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 2 & 3
C = Distance (ft) between Island No. 3 & 4

Figure 5



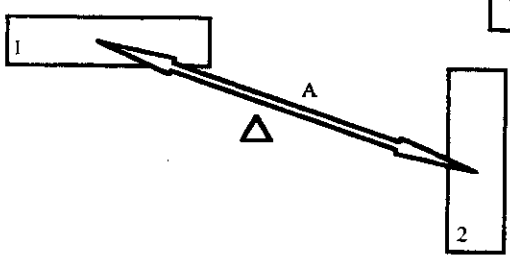
△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2 & 3
B = Distance (ft) between Island No. 2 and 3

Figure 6



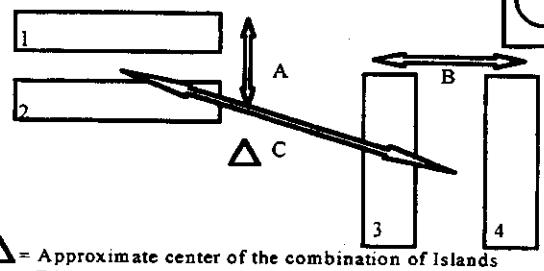
△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2 & 3
B = Distance (ft) between Island No. 2 & 3

Figure 7



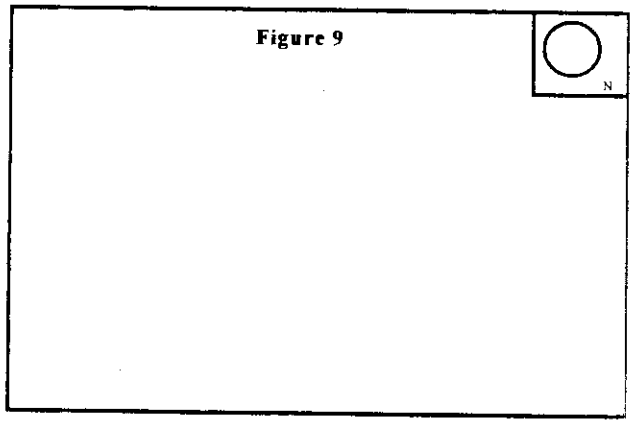
△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2

Figure 8



△ = Approximate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 3 & 4
C = Distance (ft) between the center of Island No. 1 and 2 and the center of Island No. 3 & 4

Figure 9



Legend

= Fuel Pump Island

△ = Approximate center of the combination of Islands

6. Indicate the distance, direction from △, and address of the nearest residential and commercial/industrial structure located outside the property line of the facility as measured from the approximate center of the islands (shown as △ in the figures):

Residential Over 1000 feet
Direction (Circle One): N NE E SE S SW W NW
Located at: _____

Commercial/Industrial Over 1000 feet
Direction (Circle One): N NE E SE S SW W NW
Located at: _____

Is an equipment location drawing enclosed with this form? (See REQUIREMENTS, HOW TO APPLY)
a. ☒ Yes b. ☐ No

Section IV - Applicant Certification Statement

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: [signature] | TITLE OF RESPONSIBLE OFFICIAL OF FIRM: COUNSEL FOR MERCURY AIR CENTER

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: Victoria E. Moss | RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (949) 263 -6777 | DATE SIGNED: 9 /28 /99

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF PREPARER: [signature] | TITLE OF PREPARER: COUNSEL FOR MERCURY AIR CENTER

TYPE OR PRINT NAME OF PREPARER: Victoria E.Moss | PREPARER'S TELEPHONE NUMBER: (949) 263 - 6777 | DATE SIGNED: 9 /28 /99

Section V - Title V Information: *Fill out if AQMD has identified your facility as a Title V facility*

The requested application involves a(n): (check all that apply)

a. ☐ **Minor Permit Revision**
☐ **Group Processing (check only if applicable)**
b. ☐ **DeMinimis Significant Permit Revision**
c. ☐ **Significant Permit Revision**
d. ☐ **Non-Title V Permit Processing**
(Available until initial Title V permit is issued)
e. ☐ **Permit Shield (complete Form 500-D)**
f. ☐ **Streamlined Permit Conditions**
g. ☐ **Alternative Operating Scenario (AOS)**
h. ☐ **Other (specify):** _____

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:
INSPECTOR **SECTOR**
ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR: MERCURY AIR CENTER
☑ IRS OR ☐ S. S. NUMBER: 11 800515

PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS): MERCURY AIR CENTER

BUSINESS MAILING ADDRESS: 2161 EAST AVION STREET ONTARIO, CA. 91761

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS: SAME AS ABOVE

TYPE OF ORGANIZATION
☑ Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ Yes ☑ No
AVERAGE ANNUAL GROSS RECEIPTS: $ 153,600.00
NUMBER OF EMPLOYEES: 3
IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED? ☐ Yes ☑ No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? ☑ Yes ☐ No
ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☑ Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER OF OWNER
IF NO, ENTER THE LEGAL NAME OF OWNER: _____ _ _ _ _ _ _ _ _

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION: 2161 EAST AVION STREET (NUMBER/STREET)
ONTARIO (CITY OR COMMUNITY) CA, 91761 (ZIP CODE)
FACILITY NAME: MERCURY AIR CENTER
FACILITY ID NUMBER: 114338
PRINT NAME OF CONTACT PERSON: SHAWN A. BEAVER
TITLE OF CONTACT PERSON: GENERAL MANAGER
TYPE OF BUSINESS AT THIS FACILITY: AIRCRAFT AND VEHICLE FUEL & HANDLING
PRIMARY SIC CODE FOR THIS FACILITY: 5171
NUMBER OF EMPLOYEES AT THIS FACILITY: 39
CONTACT PERSON'S TELEPHONE NUMBER: (909) 390 - 2370
CONTACT PERSON'S FAX NUMBER: (909) 390 - 2375
CONTACT PERSON'S E-MAIL ADDRESS: S.BEAVER@GTE.NET

Section III - Application Type

DESCRIPTION OF EQUIPMENT: MOBILE REFUELER
PREVIOUS PERMIT #(S):

APPLICATION FOR (SEE INSTRUCTIONS):
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☑ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☑ Yes ☐ No

☐ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

____ 400-E-1	• PARTICULATE MATTER (PM_{10}) CONTROL EQUIPMENT	____ 400-E-13	• INTERNAL COMBUSTION EQUIPMENT
____ 400-E-2	• VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT	____ 400-E-14	• OPEN PROCESS TANK
____ 400-E-3	• SCRUBBER	____ 400-E-14a	• OPEN PROCESS TANK; PROCESS LINE
____ 400-E-4	• ABRASIVE BLASTING EQUIPMENT	____ 400-E-15	• PRINTING EQUIPMENT
____ 400-E-6	• DEGREASER	____ 400-E-16	• SOLID MATERIALS STORAGE EQUIPMENT
____ 400-E-7	• DRY CLEANING EQUIPMENT	____ 400-E-17	• SPRAY BOOTH/OPEN SPRAY
____ 400-E-8	• ETHYLENE OXIDE STERILIZER	____ 400-E-17a	• POWDER SPRAY BOOTH
____ 400-E-9	• EXTERNAL COMBUSTION EQUIPMENT	____ 400-E-18	• STORAGE TANK (LIQUID & GASEOUS MAT'L)
____ 400-E-10	• FOOD BROILER/FRYER	____ 400-E-19	• WAVE SOLDER MACHINE
✓ 400-E-11	• FUEL DISPENSING AND STORAGE EQUIPMENT	____ 400-E-20	• ASBESTOS REMOVAL EQUIPMENT
____ 400-E-12	• GAS TURBINE	____ NONE	• ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☐ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: Shawn Beaver **TITLE OF RESPONSIBLE OFFICIAL OF FIRM:**

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: SHAWN A. BEAVER
RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (909) 390 - 2370
DATE SIGNED: 3/16/98

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: **TITLE OF PREPARER:**

TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM
PREPARER'S TELEPHONE NUMBER: ( ) -
DATE SIGNED: / /

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD USE ONLY	APPLICATION/TRACKING #	PROJECT #	TYPE	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
	337943		B C D	248916 /	$	3/16/98

ENG. A R	ENG. A R	CLASS	ASSIGNMENT	ENF.	CHECK/MONEY ORDER	AMOUNT
DATE 3/16/98	DATE	I II III IV	UNIT 11 ENGINEER	SECT.	# 1253	$456.30

94

FORM 400-A, Rev 10/97

TITLE V APPLICATION CERTIFICATION

- TO BE COMPLETED BY TITLE V FACILITIES ONLY -

Section IV - Title V Application

1. This is an application for a(n) (Check all applicable boxes and provide the requested information as appropriate):
   a. ☐ Initial Title V Permit
   b. ☐ Permit Renewal: Provide current permit expiration date: ____/____/____
   c. ☐ Administrative Permit Revision (Check all that apply)
      ☐ Change of Ownership. (Complete and attach equipment-specific Form 400-E-xx series forms)
      ☐ Change of Facility Information
      ☐ Other, Please specify: _____
   d. ☐ Other (Complete and attach equipment specific Form 400-E-XX series form(s) to this form if your application involves permit action for new construction, change of location, non-administrative permit revision, alternative operating scenario (AOS), permit shield, streamlined permit conditions, or temporary source permit.)
2. Is this facility required to prepare a Risk Management Plan (RMP) for another agency? ☐ Yes ☐ No

Section V - Title V Submittal Checklist

1. Enter the quantity of each type form submitted in the space provided:

_____	500-A2	_____	500-F1
_____	500-B	_____	500-F2
_____	500-C1	_____	500-F3
_____	500-C2	_____	500-F4
_____	500-D	_____	Other (specify): _____

2. Additional information referenced in this application submitted (Check **ALL** that apply):
   a. ☐ Existing Facility Permit
   b. ☐ Preliminary Facility Permit
   c. ☐ EFB Report for Year _____
   d ☐ None
   e. ☐ Other (Specify): _____
3. Supplemental information included with this application submittal (Check **ALL** that apply):
   a. ☐ Facility Plot Plan
   b. ☐ MSDS Sheet(s)
   c. ☐ None
   d. ☐ Other (Specify): _____

99 MAR 16 A9:01

REVENUE RECEIVING
S.C.A.Q.M.D.

	APPLICATION TYPE	30 DAY PUBLIC NOTICE START DATE	30 DAY PUBLIC NOTICE END DATE	PUBLIC HEARING DATE	45-DAY EPA REVIEW START DATE	45-DAY EPA REVIEW END DATE
AQMD	INITIAL, RENEWAL & SIGNIFICANT					
	MINOR & DEMINIMUS					
USE	ESTABLISH GENERAL PERMIT					
ONLY	USE THE SECTIONS BELOW FOR TITLE V INITIAL AND RENEWAL APPLICATIONS ONLY:					

APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE: $	VALIDATION
___ ___ ___ ___ ___ ___			___ ___ ___ ___ ___ ___ / ___ ___		

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT	ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT $

FORM 400-A, Rev. 10/97

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

AQMD

Form 400-A must accompany all submittals.

FUEL DISPENSING AND STORAGE EQUIPMENT
FORM 400 - E - 11

(See Form 400-E-11 supplement for requirements and instructions)

For:	Change of location, equipment w/expired permit, or change of operator:	ALL other application types: Submit all other information requested and:
Title V Facilities	Complete Sections I, IV, & V	Complete Sections I, II, III, IV, & V
All Other Facilities	Complete Sections I & IV	Complete Sections I, II, III, & IV

Section I - Facility/Application Information

1. Business Name: MERCURY AIR CENTER Facility ID: _ _ _ _ _ _ _
2. Property Zone:
   a. ☐ Commercial c. ☐ Industrial e. ☑ Other (specify): AIR PORT
   b. ☐ Residential d. ☐ Parking
3. Business Type: a. ☐ Retail b. ☐ Non-Retail
   For Non-Retail, do you own any fleet vehicles?
   ☐ No ☑ Yes, Total number of fleet vehicles 17
   For Retail, has the owner/operator attended a SCAQMD approved Rule 461 training course?
   ☐ No ☐ Yes Date of Course Completion: ___/___/___
4. The requested application is for a(n): Date of Occurrence: ___/___/___
   a. ☐ New Construction b. ☐ Change of Location
   c. ☐ Modification of Equipment/Process d. ☐ Existing Equipment with Expired Permit
   e. ☑ Existing Equipment Operating without a Permit; Initial Operation Date: ___/___/___
   f. ☐ Change of Condition(s); Specify the change of condition(s) requested: _____
   g. ☐ Change of Operator; List previous name of operator and Facility ID #: _____
5. If equipment has previous written permit, list Permit Number or Device Number(s): _____
   a. Write Rule 301 description of this equipment/process: _____
6. Are multiple applications being submitted for similar permit units (as defined in Rule 301) described below?
   ☐ No ☑ Yes
7. Have you been issued a Notice to Comply (NTC) or Notice of Violation (NOV) for this equipment?
   ☑ No ☐ Yes; NTC #: _____ NOV #: _____ Issue Date: ___/___/___
8. For New Construction, Modification, or Change of Location:
   Estimated Construction Start Date: / / Estimated Completion Date: / /
9. For this project, has a California Environmental Quality Act (CEQA) document been required by another governmental agency? ☑ No ☐ Yes, for agency (Provide name): _____
   a. Are you required by another governmental agency to have a permit? ☑ No ☐ Yes, for agency (Provide name) _____
   b. Are any of these permits discretionary? ☑ No ☐ Yes; list: _____
10. Do you claim confidentiality of data? ☑ No ☐ Yes (attach explanation)
11. Is the equipment located within 1,000 feet from the outer boundary of a school? ☑ No ☐ Yes
    (If Yes, complete a. for all public or private school, grade K-12, within a 1/4 mile radius of facility property)
    a. School Name(s): _____ Telephone No(s): _____
    School Address(es): _____

Section II - Equipment Information

1. NOZZLE INFORMATION: Indicate Number of New, Existing, or Removed Nozzles for Each Fuel Type

Fuel Type* (e.g. Unleaded, Diesel)	# New Nozzles	# Existing Nozzles	# Removed Nozzles	Control Type* (Phase II)	Maximum Monthly* Throughput (Gal/Mo)	Maximum Annual* Throughput (Gal/Yr)	Installation (I) or Removal (R) Date
PER TRUCK					AVE USED PER		YR PURCHASE
TRUCK #1					HIGHEST #		
UNLEADED		X 1		NONE	40,000	480,000	I 1989

TURN OVER AND COMPLETE

AQMD USE ONLY	APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE: $	VALIDATION
	_ _ _ _ _ _			_ _ _ _ _ _ / _ _		

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT $

2. If Phase II Vapor Recovery System is not mentioned on Form-E-11 Instructions, provide CARB Executive Order (EO) Number: _____

3. UNDERGROUND STORAGE TANK INFORMATION: Fill-in or Check the Appropriate Columns

Tank No.	Fuel Type* (e.g. Unleaded)	Tank Capacity* (Gallons)	Phase I Control ☑	Submerged Fill ☑	New ☑	Existing ☑	Remove ☑	Installation (I) or Removal (R) Date
			☐	☐	☐	☐	☐	
6	87 OCTANE	6,000	☐	☐	☐	☐	☐	I 12/98
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	

4. Are any of these storage tanks dual compartment? a. ☐ No b. ☐ Yes, Provide information for other compartments above.

5. Do You Have Any Existing Methanol Compatible Tanks Which Have a Fuel Storage and Dispensing Permit?
a. ☐ Yes, Permit #_____ or Device #_____ b. ☐ No
For all new construction or tank replacement application(s), you must submit methanol certification from the tank manufacturer.

6. ABOVEGROUND STORAGE TANK INFORMATION: Fill-in or Check the Appropriate Columns

Tank No.	Fuel type (e.g.; Reg. Unleaded)	Tank Capacity* (Gallons)	Tank Dimensions LxWxHxDia (Feet-Inches)	Tank Manufacturer Control Type* or CARB EO	Stack Height (Feet)	Hose Length (Feet)	Phase I Control ☑	Submerged Fill ☑	New ☑	Existing ☑	Remove ☑	Installation (I) or Removal (R) Date
	MOBILE	1000 Gas			VENT		☑	☑	☐	☑	☐	
	METAL	1000 Diesel	10' x 5' DIA		MT.		☐	☐	☐	☐	☐	
	Gasoline	1000					☐	☐	☐	☐	☐	

1000 Gas
1000 Diesel
Split 2000

7. Are any of these storage tanks dual compartment? a. ☐ No b. ☒ Yes, Provide information for other compartments above.

8. DISPENSER INFORMATION: Indicate Number of New, Existing, or Removed Dispensers

Dispenser Make	Dispenser Model No.	No. of Similar Dispensers	Dispenser New ☑	Dispenser Existing ☑	Dispenser Removed ☑	No. of Nozzles Per Dispenser Jet-A	Unleaded	Diesel	Methanol
IF KNOWN:			☐	☐	☐				
NOZZLE			☐	☐	☐				
			☐	☐	☐				
			☐	☐	☐				
			☐	☐	☐				

Section III - Operation Information

1. Vehicle Fueling: 24 hours/day Operating Hours: 365 days/year

2. **FOR ALTERATIONS OF EXISTING EQUIPMENT - THROUGHPUT RECORDS FOR THE PAST 2 YEARS**

Year of Operation	Fuel Type (e.g. Gasoline or Diesel)	Throughput (Gal/Yr)	Days of Operation
last 2 yrs			
if possible			

3. **FUELING POSITION INFORMATION**

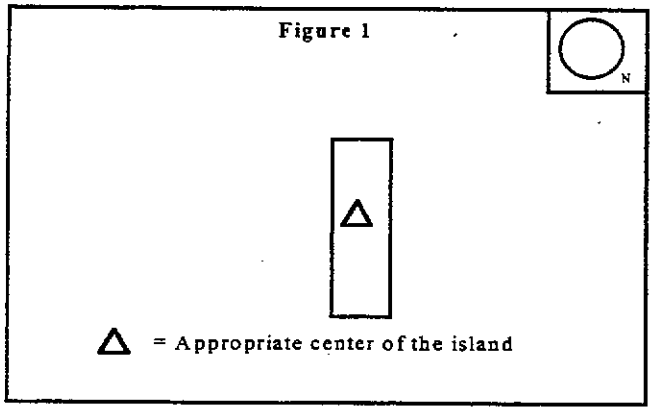
Total Number of Fueling Positions After Alteration or New Construction	Total Number of Fueling Positions Prior to Alteration (For Alterations Only)
2	

4. For new construction or vent pipe relocations, submit a plot plan identifying island locations, dispenser locations, vent pipe locations, and structures surrounding the property line. Have you included this plot plan with this application? a. ☐ Yes b. ☑ No

5. Identify which one of the following layouts on pages 3 and 4 most accurately represents your facility's configuration (fuel pump islands and set-up). In addition, identify the direction of North by placing an arrow in the circle provided and identify dispenser location by placing a dot on the island configuration. If none of the figures below apply to your facility, complete Figure 9 by sketching the layout of your fuel pump islands. Using the same format as below, number each island and indicate the distances between them.

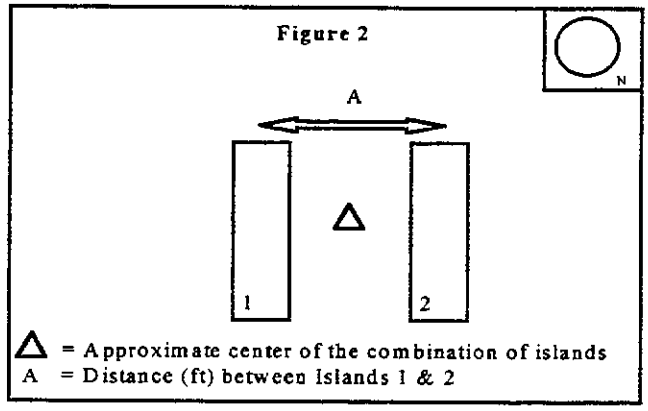
Figure N/A Distance A: _____ FT Distance B: _____ FT Distance C: _____ FT

Figure 1



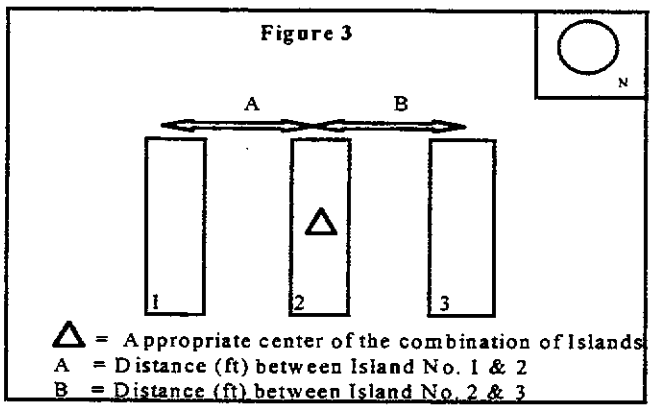
△ = Appropriate center of the island

Figure 2



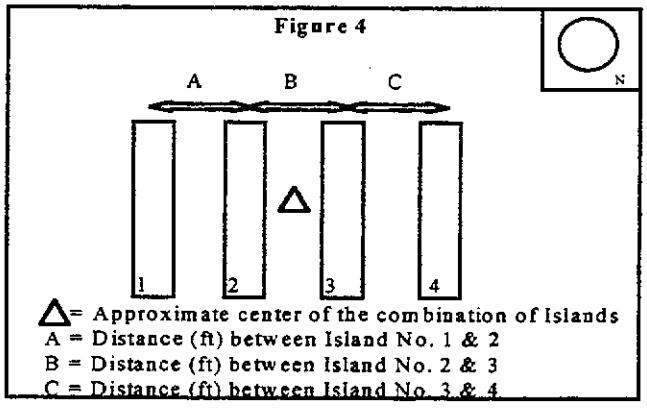
△ = Approximate center of the combination of islands
A = Distance (ft) between Islands 1 & 2

Figure 3



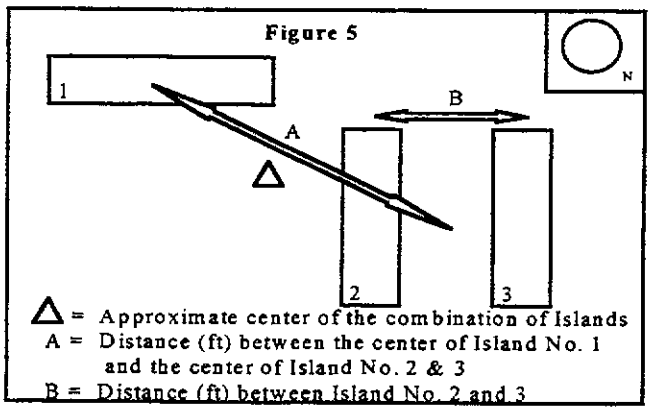
△ = Appropriate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 2 & 3

Figure 4



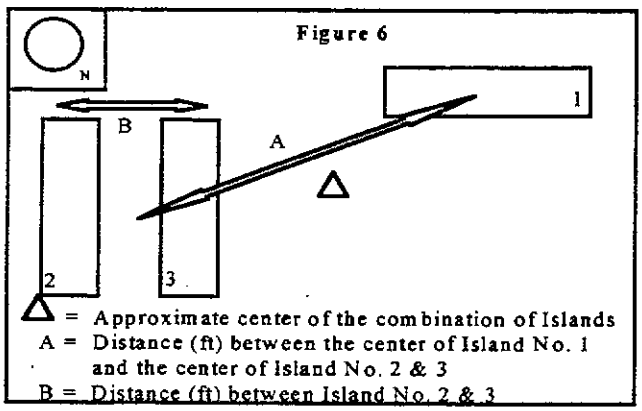
△ = Approximate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 2 & 3
C = Distance (ft) between Island No. 3 & 4

Figure 5



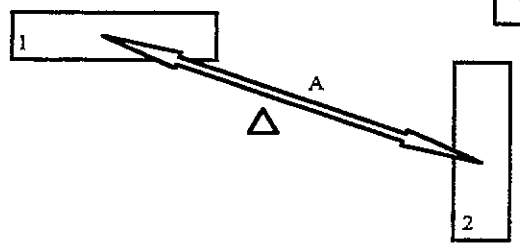
△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2 & 3
B = Distance (ft) between Island No. 2 and 3

Figure 6



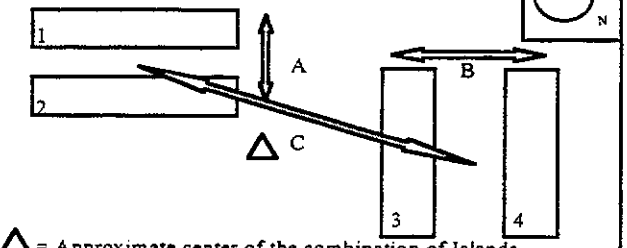
△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2 & 3
B = Distance (ft) between Island No. 2 & 3

Figure 7



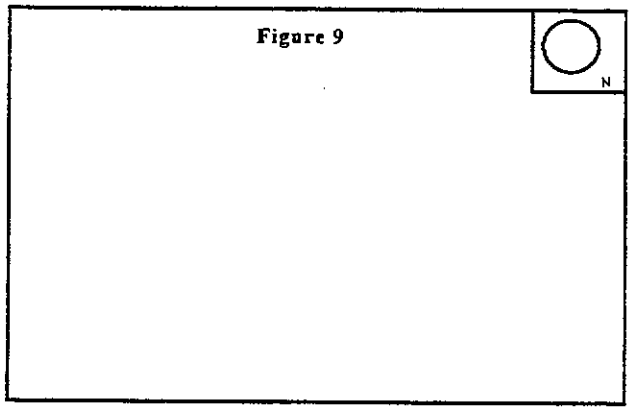
△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2

Figure 8



△ = Approximate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 3 & 4
C = Distance (ft) between the center of Island No. 1 and 2 and the center of Island No. 3 & 4

Figure 9



Legend

= Fuel Pump Island

△ = Approximate center of the combination of Islands

6. Indicate the distance, direction from △, and address of the nearest residential and commercial/industrial structure located outside the property line of the facility as measured from the approximate center of the islands (shown as △ in the figures):

Residential N/A feet
Direction (Circle One): N NE E SE S SW W NW
Located at: N/A

Commercial/Industrial 1,000 feet
Direction (Circle One): N NE E SE S SW W NW
Located at: AVION STREET

Is an equipment location drawing enclosed with this form? (See REQUIREMENTS, HOW TO APPLY)
a. ☑ Yes b. ☐ No

Section IV - Applicant Certification Statement

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:	TITLE OF RESPONSIBLE OFFICIAL OF FIRM:	
Shawn Beaver	GENERAL MANAGER	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM:	RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER	DATE SIGNED:
SHAWN A. BEAVER	(909) 390 - 2370	3/16/99

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF PREPARER:	TITLE OF PREPARER:	
TYPE OR PRINT NAME OF PREPARER:	PREPARER'S TELEPHONE NUMBER	DATE SIGNED:
	( ) -	/ /

Section V- Title V Information: *Fill out if AQMD has identified your facility as a Title V facility*

The requested application involves a(n): (check all that apply)

a. ☐ **Minor Permit Revision**
☐ **Group Processing (check only if applicable)**
b. ☐ **DeMinimis Significant Permit Revision**
c. ☐ **Significant Permit Revision**
d. ☐ **Non-Title V Permit Processing**
(Available until initial Title V permit is issued)
e. ☐ **Permit Shield (complete Form 500-D)**
f. ☐ **Streamlined Permit Conditions**
g. ☐ **Alternative Operating Scenario (AOS)**
h. ☐ **Other (specify):**_____

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

AQMD

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:
INSPECTOR SECTOR
ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR: MERCURY AIR CENTER
☒ IRS OR ☐ S. S. NUMBER: 11 1 800 5 15

PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS): MERCURY AIR CENTER

BUSINESS MAILING ADDRESS: 2161 EAST AVION STREET ONTARIO, CA. 91761

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS: SAME AS ABOVE

TYPE OF ORGANIZATION
☒ Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ Yes ☒ No
AVERAGE ANNUAL GROSS RECEIPTS: $ 193,600.00
NUMBER OF EMPLOYEES: 3
IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED? ☐ Yes ☒ No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? ☒ Yes ☐ No
ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER OF OWNER
IF NO, ENTER THE LEGAL NAME OF OWNER

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION: 2161 EAST AVION STREET (NUMBER/STREET)
ONTARIO (CITY OR COMMUNITY) CA, 91761 (ZIP CODE)
FACILITY NAME: MERCURY AIR CENTER
FACILITY ID NUMBER: 114338
PRINT NAME OF CONTACT PERSON: SHAWN A. BEAVER
TITLE OF CONTACT PERSON: GENERAL MANAGER
TYPE OF BUSINESS AT THIS FACILITY: AIRCRAFT AND VEHICLE FUEL & HANDLING
PRIMARY SIC CODE FOR THIS FACILITY: 2171
NUMBER OF EMPLOYEES AT THIS FACILITY: 39
CONTACT PERSON'S TELEPHONE NUMBER: (909) 390 - 2370
CONTACT PERSON'S FAX NUMBER: (909) 390 - 2375
CONTACT PERSON'S E-MAIL ADDRESS: S.BEAVER@GTE.NET

Section III - Application Type

DESCRIPTION OF EQUIPMENT: MOBILE REFUELER
PREVIOUS PERMIT #(S):

APPLICATION FOR (SEE INSTRUCTIONS):
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☒ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☒ Yes ☐ No

☐ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

____ 400-E-1 • PARTICULATE MATTER (PM_{10}) CONTROL EQUIPMENT	____ 400-E-13 • INTERNAL COMBUSTION EQUIPMENT
____ 400-E-2 • VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT	____ 400-E-14 • OPEN PROCESS TANK
____ 400-E-3 • SCRUBBER	____ 400-E-14a • OPEN PROCESS TANK; PROCESS LINE
____ 400-E-4 • ABRASIVE BLASTING EQUIPMENT	____ 400-E-15 • PRINTING EQUIPMENT
____ 400-E-6 • DEGREASER	____ 400-E-16 • SOLID MATERIALS STORAGE EQUIPMENT
____ 400-E-7 • DRY CLEANING EQUIPMENT	____ 400-E-17 • SPRAY BOOTH/OPEN SPRAY
____ 400-E-8 • ETHYLENE OXIDE STERILIZER	____ 400-E-17a • POWDER SPRAY BOOTH
____ 400-E-9 • EXTERNAL COMBUSTION EQUIPMENT	____ 400-E-18 • STORAGE TANK (LIQUID & GASEOUS MAT'L)
____ 400-E-10 • FOOD BROILER/FRYER	____ 400-E-19 • WAVE SOLDER MACHINE
____ 400-E-11 • FUEL DISPENSING AND STORAGE EQUIPMENT	____ 400-E-20 • ASBESTOS REMOVAL EQUIPMENT
____ 400-E-12 • GAS TURBINE	____ NONE • ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☐ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: [signature] TITLE OF RESPONSIBLE OFFICIAL OF FIRM:
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: SHAWN A. BEAVER
RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (909) 390 - 2370
DATE SIGNED: 3/16/99

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: TITLE OF PREPARER:
TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:
PREPARER'S TELEPHONE NUMBER: ( ) -
DATE SIGNED: / /

TITLE V FACILITIES ONLY - COMPLETE

AQMD USE ONLY	APPLICATION/TRACKING #	PROJECT #	TYPE	EQUIPMENT CATEGORY CODE	TITLE V SCHEDULE:	VALIDATION
	357946		S C D	248916	5	3/16/99

ENG. A R	DATE	ENG. A R	DATE	CLASS	ASSIGNMENT UNIT	ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT
	3/16/99			I II III IV	41			1254	$456.30

FORM 400-A, Rev 10/97

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

AQMD

Form 400-A must accompany all submittals.

FUEL DISPENSING AND STORAGE EQUIPMENT
FORM 400 - E - 11

(See Form 400-E-11 supplement for requirements and instructions)

For:	Change of location, equipment w/expired permit, or change of operator:	ALL other application types: Submit all other information requested and:
Title V Facilities	Complete Sections I, IV, & V	Complete Sections I, II, III, IV, & V
All Other Facilities	Complete Sections I & IV	Complete Sections I, II, III, & IV

Section I Facility/Application Information

1. Business Name: MERCURY AIR CENTER Facility ID: _____
2. Property Zone:
   a. ☐ Commercial c. ☐ Industrial e. ☑ Other (specify): AIR PORT
   b. ☐ Residential d. ☐ Parking
3. Business Type: a. ☐ Retail b. ☐ Non-Retail
   For Non-Retail, do you own any fleet vehicles?
   ☐ No ☑ Yes, Total number of fleet vehicles 17
   For Retail, has the owner/operator attended a SCAQMD approved Rule 461 training course?
   ☐ No ☐ Yes Date of Course Completion: ___/___/___
4. The requested application is for a(n): Date of Occurrence: ___/___/___
   a. ☐ New Construction b. ☐ Change of Location
   c. ☐ Modification of Equipment/Process d. ☐ Existing Equipment with Expired Permit
   e. ☑ Existing Equipment Operating without a Permit; Initial Operation Date: ___/___/___
   f. ☐ Change of Condition(s); Specify the change of condition(s) requested: _____
   g. ☐ Change of Operator; List previous name of operator and Facility ID #: _____
5. If equipment has previous written permit, list Permit Number or Device Number(s): _____
   a. Write Rule 301 description of this equipment/process: _____
6. Are multiple applications being submitted for similar permit units (as defined in Rule 301) described below?
   ☐ No ☑ Yes
7. Have you been issued a Notice to Comply (NTC) or Notice of Violation (NOV) for this equipment?
   ☑ No ☐ Yes; NTC #: _____ NOV #: _____ Issue Date: ___/___/___
8. For New Construction, Modification, or Change of Location:
   Estimated Construction Start Date: / / Estimated Completion Date: / /
9. For this project, has a California Environmental Quality Act (CEQA) document been required by another governmental agency? ☑ No ☐ Yes, for agency (Provide name): _____
   a. Are you required by another governmental agency to have a permit? ☑ No ☐ Yes, for agency (Provide name) _____
   b. Are any of these permits discretionary? ☑ No ☐ Yes; list: _____
10. Do you claim confidentiality of data? ☑ No ☐ Yes (attach explanation)
11. Is the equipment located within 1,000 feet from the outer boundary of a school? ☑ No ☐ Yes
    (If Yes, complete a. for all public or private school, grade K-12, within a 1/4 mile radius of facility property)
    a. School Name(s): _____ Telephone No(s): _____
       School Address(s): _____

Section II Equipment Information

1. NOZZLE INFORMATION: Indicate Number of New, Existing, or Removed Nozzles for Each Fuel Type

Fuel Type*	# New Nozzles	# Existing Nozzles	# Removed Nozzles	Control Type* (efficiency %)	Maximum Monthly* Throughput (gal/mo)	Maximum Annual* Throughput (gal/yr)	Installation (I) or Removal (R) Date
PER TANK					AVE USED PER		YR PURCHASE
TANK # 52					HIGHEST #		
UNLEADED		1		NONE	40,000	480,000	I 1989

TURN OVER AND COMPLETE

AQMD USE ONLY	APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE: $	VALIDATION

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT $

2. If Phase II Vapor Recovery System is not mentioned on Form-E-11 Instructions, provide CARB Executive Order (EO) Number: _____

3. UNDERGROUND STORAGE TANK INFORMATION: Fill-in or Check the Appropriate Columns

Tank No.	Fuel Type* (e.g. Unleaded)	Tank Capacity* (Gallons)	Phase I Control [I]	Submerged Fill [S]	New [N]	Existing [E]	Remove [R]	Installation (I) or Removal (R) Date
			☐	☐	☐	☐	☐	
6	87 OCTANE	6,000	☐	☐	☐	☐	☐	I 12/98
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	

4. Are any of these storage tanks dual compartment? a. ☐ No b. ☐ Yes, Provide information for other compartments above.

5. Do You Have Any Existing Methanol Compatible Tanks Which Have a Fuel Storage and Dispensing Permit?
a. ☐ Yes, Permit #_____ or Device #_____ b. ☐ No
For all new construction or tank replacement application(s), you must submit methanol certification from the tank manufacturer.

6. ABOVEGROUND STORAGE TANK INFORMATION: Fill-in or Check the Appropriate Columns

Tank No.	Fuel Type (e.g. Unleaded)	Tank Capacity* (Gallons)	Tank Construction* (Steel/FRP, Single/Double Wall)	Tank Manufacturer (Name/Type)	Stack Height (Feet)	Hose Length (Feet)	Phase I Control [V]	Submerged Fill [S]	New [N]	Existing [E]	Remove [R]	Installation (I) or Removal (R) Date
	MOBILE				VENT		☑	☑	☐	☑	☐	
	MFGE	500 Diesel		10' L	HT.		☐	☐	☐	☐	☐	
	12,550	750 Gas		5' Dia			☐	☐	☐	☐	☐	

7. Are any of these storage tanks dual compartment? a. ☐ No b. ☐ Yes, Provide information for other compartments above.

8. DISPENSER INFORMATION: Indicate Number of New, Existing, or Removed Dispensers

Dispenser Make	Model No.	No. of Similar Dispensers	Phase I Control [V]	Dispenser Existing [E]	Dispenser Removed [R]	No. of Nozzles Per Dispenser: Jet A	Unleaded	Diesel	Methanol
IF KNOWN:			☐	☐	☐				
NOZZLE			☐	☐	☐				
			☐	☐	☐				
			☐	☐	☐				
			☐	☐	☐				

Section III Operation Information

1. Vehicle Fueling: 24 hours/day Operating Hours: 365 days/year

2. **FOR ALTERATIONS OF EXISTING EQUIPMENT - THROUGHPUT RECORDS FOR THE PAST 2 YEARS**

Year of Operation	Fuel Type (e.g. Gasoline or Diesel)	Throughput (Gal/Yr)	Days of Operation
last 2 yrs			
if possible			

3. **FUELING POSITION INFORMATION**

Total Number of Fueling Positions After Alteration or New Construction	Total Number of Fueling Positions Prior to Alteration (For Alterations Only)
2	

4. For new construction or vent pipe relocations, submit a plot plan identifying island locations, dispenser locations, vent pipe locations, and structures surrounding the property line. Have you included this plot plan with this application? a. ☐ Yes b. ☒ No

5. Identify which one of the following layouts on pages 3 and 4 most accurately represents your facility's configuration (fuel pump islands and set-up). In addition, identify the direction of North by placing an arrow in the circle provided and identify dispenser location by placing a dot on the island configuration. If none of the figures below apply to your facility, complete Figure 9 by sketching the layout of your fuel pump islands. Using the same format as below, number each island and indicate the distances between them.

Figure N/A Distance A: _____ FT Distance B: _____ FT Distance C: _____ FT

Figure 1

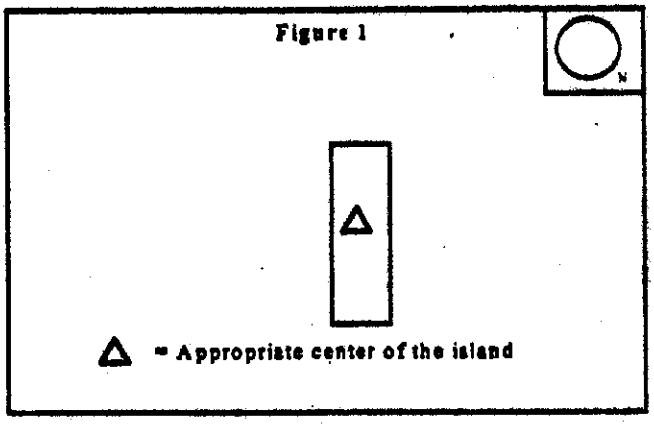


Figure 2

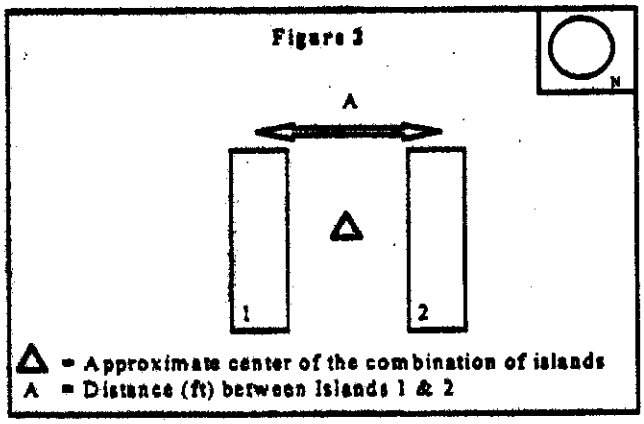


Figure 3

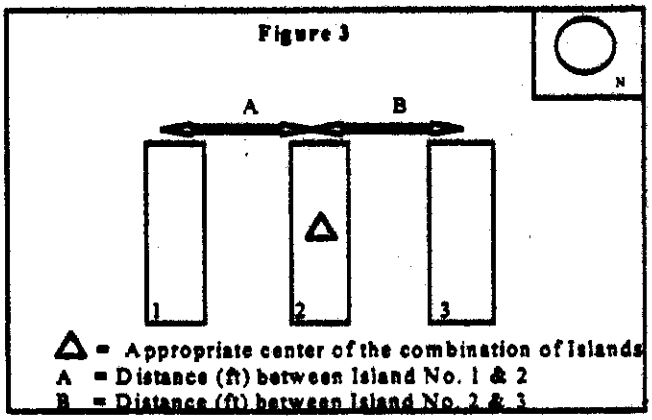


Figure 4

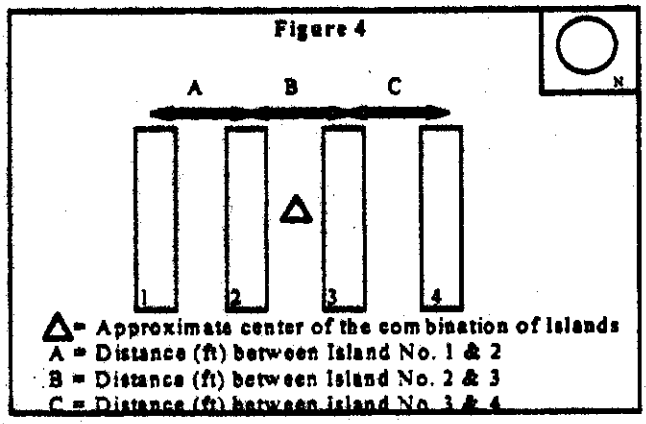


Figure 5

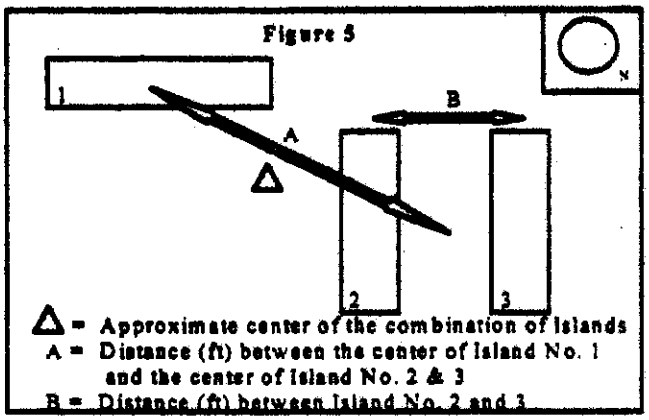


Figure 6

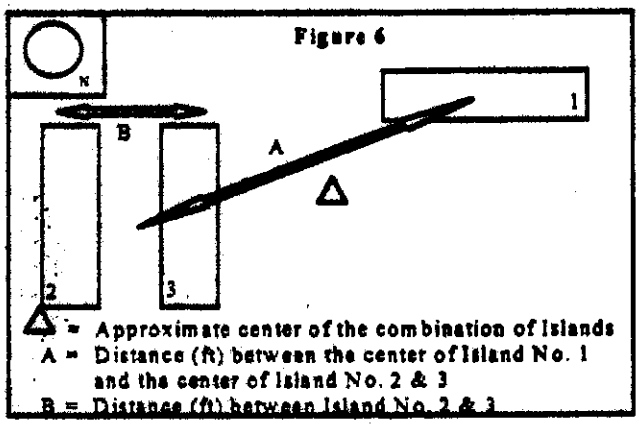
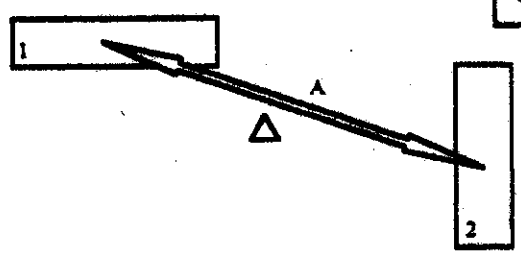
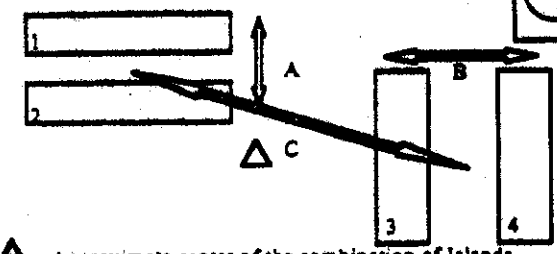


Figure 7



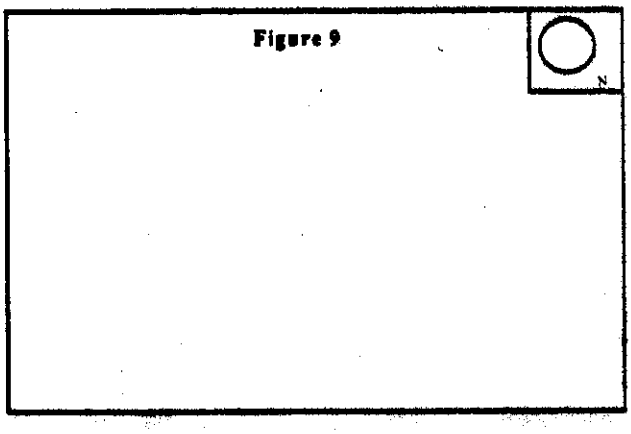
△ = Approximate center of the combination of islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2

Figure 8



△ = Approximate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 3 & 4
C = Distance (ft) between the center of Island No. 1 and 2 and the center of Island No. 3 & 4

Figure 9



Legend



= Fuel Pump Island

△ = Approximate center of the combination of Islands

6. Indicate the distance, direction from △, and address of the nearest residential and commercial/industrial structure located outside the property line of the facility as measured from the approximate center of the islands (shown as △ in the figures):

Residential N/A feet Commercial/Industrial 1,000 feet

Direction (Circle One): N NE E SE S SW W NW Direction (Circle One): N NE E SE S SW W NW

Located at: N/A Located at: Avion Street

Is an equipment location drawing enclosed with this form? (See REQUIREMENTS, HOW TO APPLY)

a. ☒ Yes b. ☐ No

Section IV - Applicant Certification Statement

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: Shawn Beaver TITLE OF RESPONSIBLE OFFICIAL OF FIRM: General Manager

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: Shawn A. Beaver RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (619) 340 - 2370 DATE SIGNED: 3/16/99

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF PREPARER: TITLE OF PREPARER:

TYPE OR PRINT NAME OF PREPARER: PREPARER'S TELEPHONE NUMBER: ( ) - DATE SIGNED: / /

Section V - Title V Information: *Fill out if AQMD has identified your facility as a Title V facility*

The requested application involves a(n): (check all that apply)

a. ☐ **Minor Permit Revision**
☐ **Group Processing (check only if applicable)**
b. ☐ **DeMinimis Significant Permit Revision**
c. ☐ **Significant Permit Revision**
d. ☐ **Non-Title V Permit Processing**
(Available until initial Title V permit is issued)
e. ☐ **Permit Shield (complete Form 500-D)**
f. ☐ **Streamlined Permit Conditions**
g. ☐ **Alternative Operating Scenario (AOS)**
h. ☐ **Other (specify):**_____

South Coast Air Quality Management District P. O. Box 4944 Diamond Bar, CA 91765 (909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.

NC/NOV NUMBER:

Title V Facilities: Complete both sides of this form. Include additional forms as necessary. **INSPECTOR** **SECTOR**

ISSUE DATE

LEGAL NAME OF OPERATOR ☒ IRS OR ☐ S. S. NUMBER **111800515**

MERCURY AIR CENTER

PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS) **Mercury Air Center**

BUSINESS MAILING ADDRESS **2161 East Avion, Street, Ontario, CA 91761**

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS Same

TYPE OF ORGANIZATION ☒ **Corporation** ☐ Limited Partnership ☐ Government Entity

☐ Individual ☐ General Partnership ☐ Other (Fill in):_____

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ Yes ☒ **No** AVERAGE ANNUAL GROSS RECEIPTS **$153,600**

NUMBER OF EMPLOYEES **3** IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED? ☐ Yes ☒ **No**

This Section is required for ALL APPLICATIONS FOR NEW CONSTRUCTION or major modifications. ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? ☒ **Yes** ☐ No

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ **Yes** ☐ No ☐ IRS OR ☐ S. S.

NUMBER OF OWNER IF NO, ENTER THE LEGAL NAME OF OWNER _____ — — — — — — — — —

EQUIPMENT ADDRESS/LOCATION **2161 East Avion Steet, Ontario, CA 91761** FACILITY NAME **Mercury Air Center**

FACILITY ID NUMBER **114338**

PRINT NAME OF CONTACT PERSON **Shawn Beaver** TITLE OF CONTACT PERSON **General Manager**

TYPE OF BUSINESS AT THIS FACILITY **Aircraft and Vehicle Refueling** PRIMARY SIC CODE FOR THIS FACILITY: **5171**

Number of Employees at this facility **39**

CONTACT PERSON'S TELEPHONE NUMBER **(909) 390-2370** CONTACT PERSON'S FAX NUMBER **(909) 390-2375**

CONTACT PERSON'S E-MAIL ADDRESS **N/A**

DESCRIPTION OF EQUIPMENT: **Mobile Refueler** PREVIOUS PERMIT #(S):

APPLICATION FOR (SEE INSTRUCTIONS): **NEW CONSTRUCTION** ☒ MODIFICATION ☐ CHANGE OF LOCATION

☐EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION ☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☒ **Yes** ☐ No

Application for Non-Title Y equipment Permit. CHECK the supplemental Series 400-e-xx form(S) SUBMITTED WITH THIS 400-A FORM:

_____	400-E-1	• Particulate Matter (PM_{10}) Control Equipment	400-E-13	• Internal combustion equipment
	400-E-2	• Volatile organic compound (voc) control equipment	400-E-14	• Open process tank _____
	400-E-3	• Scrubber _____	400-E-14a	• open process tank; process line
	400-E-4	• Abrasive blasting equipment	400-E-15	• printing equipment
	400-E-6	• degreaser_	400-E-16	• solid materials storage equipment
	400-E-7	• dry cleaning equipment _____	400-E-17	• spray booth/open spray
	400-E-8	• ethylene oxide sterilizer	400-E-17a	• powder spray booth _____
	400-E-9	• external combustion equipment _____	400-E-18	• storage tank (liquid & gaseous mat'l)
	400-E-10	• food broiler/fryer _____	400-E-19	• wave solder machine _____
XXXXX	400-E-11	• fuel dispensing and storage equipment _____	400-E-20	• Asbestos removal Equipment
	400-E-12	• Gas turbine._____	None	• additional information submitted as requested on form
	400-E-GI			

APPLICATION FOR TITLE v facility PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: **TITLE OF RESPONSIBLE OFFICIAL OF FIRM:** **Counsel for Mercury Air Center**

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: **Victoria E. Moss**

Responsible official's TELEPHONE NUMBER **(949)263-6777** DATE signed:**9/28/99**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT. SIGNATURE OF PREPARER,

TITLE OF PREPARER: **Counsel for Mercury Air Center**

TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:

Same Preparer's TELEPHONE NUMBER : Same DATE signed:**9/28/99**

#3602306

unit 1662 310.20

J (A) 10/1/99 JRM B 248916

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

AQMD

Form 400-A must accompany all submittals.

FUEL DISPENSING AND STORAGE EQUIPMENT
FORM 400 - E - 11

(See Form 400-E-11 supplement for requirements and instructions)

For:	Change of location, equipment w/expired permit, or change of operator:	ALL other application types: Submit all other information requested and:
Title V Facilities	Complete Sections I, IV, & V	Complete Sections I, II, III, IV, & V
All Other Facilities	Complete Sections I & IV	Complete Sections I, II, III, & IV

Section I - Facility/Application Information

1. Business Name: Mercury Air Group Facility ID: _____
2. Property Zone:
   a. ☐ Commercial c. ☐ Industrial e. ☒ Other (specify): Airport
   b. ☐ Residential d. ☐ Parking
3. Business Type: a. ☐ Retail b. ☒ Non-Retail
   For Non-Retail, do you own any fleet vehicles?
   ☐ No ☒ Yes, Total number of fleet vehicles 17
   For Retail, has the owner/operator attended a SCAQMD approved Rule 461 training course?
   ☐ No ☐ Yes Date of Course Completion: ___/___/___
4. The requested application is for a(n): Date of Occurrence: ___/___/___
   a. ☐ New Construction b. ☐ Change of Location
   c. ☒ Modification of Equipment/Process d. ☐ Existing Equipment with Expired Permit
   e. ☐ Existing Equipment Operating without a Permit; Initial Operation Date: ___/___/___
   f. ☐ Change of Condition(s); Specify the change of condition(s) requested: _____
   g. ☐ Change of Operator; List previous name of operator and Facility ID #: _____
5. If equipment has previous written permit, list Permit Number or Device Number(s): 351943
   a. Write Rule 301 description of this equipment/process: _____
6. Are multiple applications being submitted for similar permit units (as defined in Rule 301) described below?
   ☐ No ☒ Yes
7. Have you been issued a Notice to Comply (NTC) or Notice of Violation (NOV) for this equipment?
   ☒ No ☐ Yes; NTC #: _____ NOV #: _____ Issue Date: ___/___/___
8. For New Construction, Modification, or Change of Location:
   Estimated Construction Start Date: 12/01/99 Estimated Completion Date: 04/01/00
9. For this project, has a California Environmental Quality Act (CEQA) document been required by another governmental agency? ☒ No ☐ Yes, for agency (Provide name): _____
   a. Are you required by another governmental agency to have a permit? ☒ No ☐ Yes, for agency (Provide name) _____
   b. Are any of these permits discretionary? ☒ No ☐ Yes; list: _____
10. Do you claim confidentiality of data? ☒ No ☐ Yes (attach explanation)
11. Is the equipment located within 1,000 feet from the outer boundary of a school? ☒ No ☐ Yes
    (If Yes, complete a. for all public or private school, grade K-12, within a 1/4 mile radius of facility property)
    a. School Name(s): _____ Telephone No(s): _____
    School Address(s): _____

Section II - Equipment Information

1. NOZZLE INFORMATION: Indicate Number of New, Existing, or Removed Nozzles for Each Fuel Type

Fuel Type* (e.g. Unleaded, Diesel)	# New Nozzles	# Existing Nozzles	# Removed Nozzles	Control Type* (Phase II)	Maximum Monthly* Throughput (Ga./Mo)	Maximum Annual* Throughput (Ga./Yr)	Installation (I) or Removal (R) Date
Unleaded		2		None	25,000	300,000	(I) 1989

TURN OVER AND COMPLETE

AQMD USE ONLY	APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE: ___/__	FEE SCHEDULE: $	VALIDATION
ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT $

2. If Phase II Vapor Recovery System is not mentioned on Form-E-11 Instructions, provide CARB Executive Order (EO) Number: _____

3. UNDERGROUND STORAGE TANK INFORMATION: Fill-in or Check the Appropriate Columns

Tank No.	Fuel Type* (e.g. Unleaded)	Tank Capacity* (Gallons)	Phase I Control ☐	Submerged Fill ☐	New ☐	Existing ☐	Remove ☐	Installation (I) or Removal (R) Date
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	

4. Are any of these storage tanks dual compartment? a. ☐ No b. ☐ Yes, Provide information for other compartments above.

5. Do You Have Any Existing Methanol Compatible Tanks Which Have a Fuel Storage and Dispensing Permit?
a. ☐ Yes, Permit #_____ or Device #_____ b. ☐ No
For all new construction or tank replacement application(s), you must submit methanol certification from the tank manufacturer.

6. ABOVEGROUND STORAGE TANK INFORMATION: Fill-in or Check the Appropriate Columns

Tank No.	Fuel type (e.g., Reg Unleaded)	Tank Capacity* (Gallons)	Tank Dimensions LxWxHxDia (Feet Inches)	Tank Manufacturer Control Type* or CARB EO	Stack Height (Feet)	Hose Length (Feet)	Phase I Control ☑	Submerged Fill ☑	New ☑	Existing ☑	Remove ☑	Installation (I) or Removal (R) Date
1	UNLEADED	1,000				75	☐	☒	☐	☒	☐	(I) 1990
1	DIESEL	1,000				75	☐	☒	☐	☒	☐	(I) 1990
							☐	☐	☐	☐	☐	

7. Are any of these storage tanks dual compartment? a. ☐ No b. ☐ Yes, Provide information for other compartments above.

8. DISPENSER INFORMATION: Indicate Number of New, Existing, or Removed Dispensers

Dispenser Make	Dispenser Model No.	No. of Similar Dispensers	Dispenser New ☑	Dispenser Existing ☑	Dispenser Removed ☑	No. of Nozzles Per Dispenser Jet-A	Unleaded	Diesel	Methanol
GMC	TOP KICK		☐	☒	☐		1	1	
			☐	☐	☐				
			☐	☐	☐				
			☐	☐	☐				
			☐	☐	☐				

Section III - Operation Information

1. Vehicle Fueling: 24 hours/day Operating Hours: 365 days/year

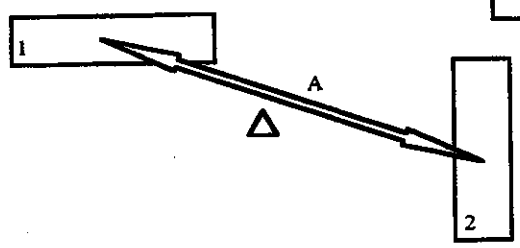
2. **FOR ALTERATIONS OF EXISTING EQUIPMENT - THROUGHPUT RECORDS FOR THE PAST 2 YEARS**

Year of Operation	Fuel Type (e.g. Gasoline or Diesel)	Throughput (Gal/Yr)	Days of Operation

3. **FUELING POSITION INFORMATION**

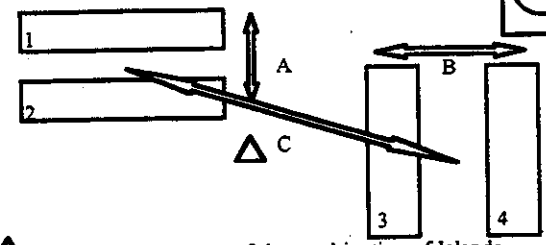
Total Number of Fueling Positions After Alteration or New Construction	Total Number of Fueling Positions Prior to Alteration (For Alterations Only)
2	

Figure 7



△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2

Figure 8



△ = Approximate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 3 & 4
C = Distance (ft) between the center of Island No. 1 and 2 and the center of Island No. 3 & 4

Figure 9



Legend

= Fuel Pump Island

△ = Approximate center of the combination of Islands

6. Indicate the distance, direction from △, and address of the nearest residential and commercial/industrial structure located outside the property line of the facility as measured from the approximate center of the islands (shown as △ in the figures):

Residential Over 1000 feet
Direction (Circle One): N NE E SE S SW W NW
Located at: _____

Commercial/Industrial Over 1000 feet
Direction (Circle One): N NE E SE S SW W NW
Located at: _____

Is an equipment location drawing enclosed with this form? (See REQUIREMENTS, HOW TO APPLY)
a. ☑ Yes b. ☐ No

Section IV - Applicant Certification Statement

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: [signature] | TITLE OF RESPONSIBLE OFFICIAL OF FIRM: COUNSEL FOR MERCURY AIR CENTER

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: Victoria E. Moss | RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (949) 263 -6777 | DATE SIGNED: 9 /28 /99

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF PREPARER: [signature] | TITLE OF PREPARER: COUNSEL FOR MERCURY AIR CENTER

TYPE OR PRINT NAME OF PREPARER: VIctoria E.Moss | PREPARER'S TELEPHONE NUMBER: (949) 263 - 6777 | DATE SIGNED: 9 /28 /99

Section V- Title V Information: *Fill out if AQMD has identified your facility as a Title V facility*

The requested application involves a(n): (check all that apply)

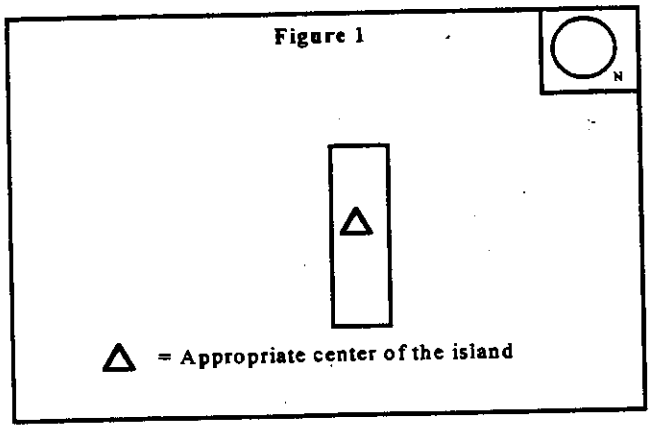
a. ☐ **Minor Permit Revision**
☐ **Group Processing (check only if applicable)**
b. ☐ **DeMinimis Significant Permit Revision**
c. ☐ **Significant Permit Revision**
d. ☐ **Non-Title V Permit Processing**
(Available until initial Title V permit is issued)
e. ☐ **Permit Shield (complete Form 500-D)**
f. ☐ **Streamlined Permit Conditions**
g. ☐ **Alternative Operating Scenario (AOS)**
h. ☐ **Other (specify):** _____

4. For new construction or vent pipe relocations, submit a plot plan identifying island locations, dispenser locations, vent pipe locations, and structures surrounding the property line. Have you included this plot plan with this application? a. ☐ Yes b. ☐ No

5. Identify which one of the following layouts on pages 3 and 4 most accurately represents your facility's configuration (fuel pump islands and set-up). In addition, identify the direction of North by placing an arrow in the circle provided and identify dispenser location by placing a dot on the island configuration. If none of the figures below apply to your facility, complete Figure 9 by sketching the layout of your fuel pump islands. Using the same format as below, number each island and indicate the distances between them.

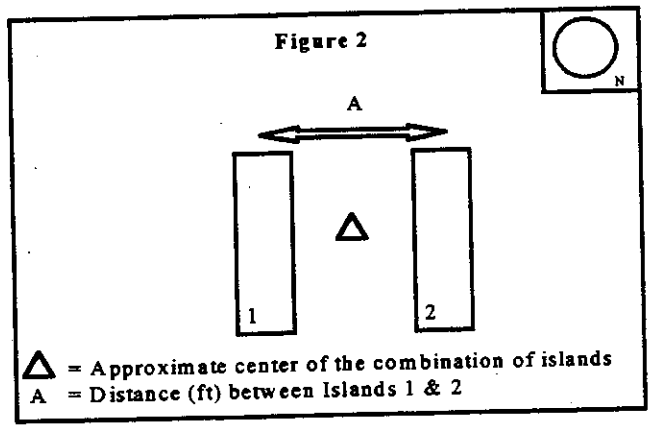
Figure_____ Distance A: _____ FT Distance B: _____ FT Distance C: _____ FT

Figure 1



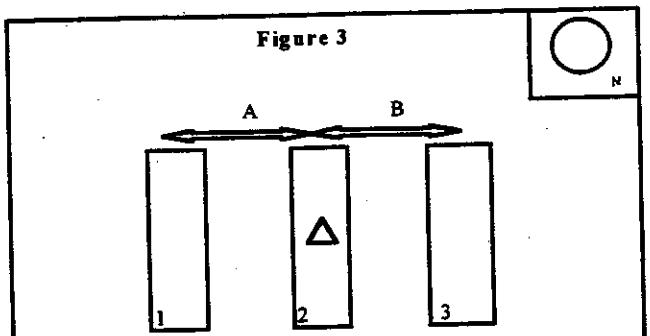
△ = Appropriate center of the island

Figure 2



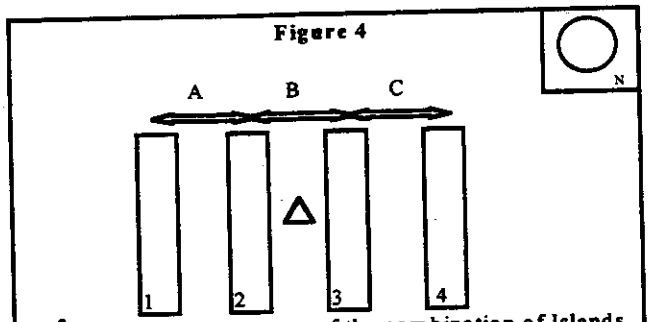
△ = Approximate center of the combination of islands
A = Distance (ft) between Islands 1 & 2

Figure 3



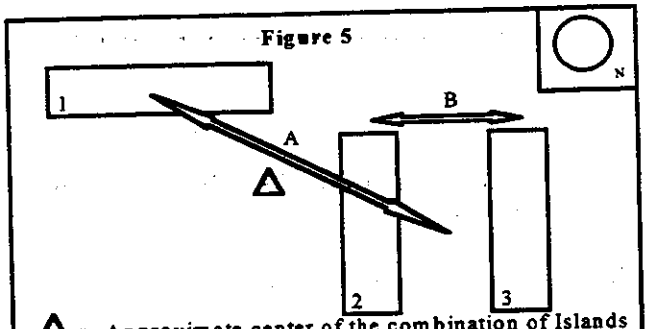
△ = Appropriate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 2 & 3

Figure 4



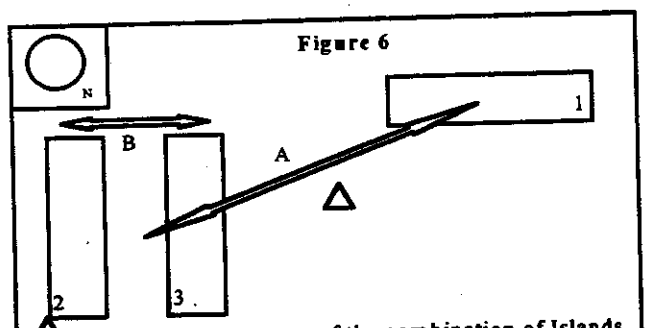
△ = Approximate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 2 & 3
C = Distance (ft) between Island No. 3 & 4

Figure 5



△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2 & 3
B = Distance (ft) between Island No. 2 and 3

Figure 6



△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2 & 3
B = Distance (ft) between Island No. 2 & 3

South Coast Air Quality Management District

Form 400-A

Application For Permit To Construct and Permit To Operate

Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765

Tel: (909) 396-3385
www.aqmd.gov

Section A: Operator Information

1. Business Name of Operator To Appear On The Permit:
Mercury Air Center dba Atlantic Aviation Ontario

2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD): ~~114330~~ (62691)

3. Owner's Business Name (only if different from Business Name of Operator):
Atlantic Aviation

Section B: Equipment Location

4. Equipment Location Address:
For equipment operated at various locations in AQMD's jurisdiction, provide address of initial site

2161 E. Avion St
Street Address

Ontario, CA, 91761
City State Zip Code

County: ○ Los Angeles ○ Orange ◉ San Bernardino ○ Riverside

Contact Name: Antonio Casillas

Contact Title: Operations Manager Phone: (909) 390-2370

Fax: (909) 390-4508 E-Mail:

Section C: Permit Mailing Address

5. Permit and Correspondence Information:
☒ Check here if same as equipment location address

Street Address

City State Zip Code

Contact Name:

Contact Title: Phone:

Fax: E-Mail:

Section D: Application Type

The facility is in ○ RECLAIM ○ Title V ○ RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE):

- ○ New Construction (Permit to Construct)
- ◉ Equipment Operating Without A Permit or Expired Permit*
- ○ Administrative Change
- ○ Equipment On-Site But Not Constructed or Operational
- ○ Title V Application (Initial, Revisions, Modifications, etc.)
- ○ Compliance Plan
- ○ Facility Permit Amendment
- ○ Registration/Certification
- ○ Streamlined Standard Permit

- ○ Permitted Equipment Altered/ Modified Without Permit Approval*
- ○ Proposed Alteration/Modification to Permitted Equipment
- ○ Change of Condition For Permit To Operate
- ○ Change of Condition For Permit To Construct
- ○ Change of Location—Moving to New Site

Existing Or Previous Permit/Application Number:
(If you checked any of the items in this column, you MUST provide a existing Permit/ Application Number)

* A Higher Permit Processing Fee applies to those items with an asterisk (Rule 301 (c) (1) (D)

7. Estimated Start Date of Operation/Construction (MM/DD/YYYY): 01/01/2010

8. Description of Equipment:
Avgas, Gasoline and Jet A storage and dispensing system

9. Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction? ◉ No ○ Yes

10. For identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each)

11. Are you a Small Business as per AQMD's Rule 102 definition? (10 employees or less and total gross receipts are $500,000 or less, or a not-for-profit training center?) ◉ No ○ Yes

12. Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment?
○ No ◉ Yes If yes, provide NOV/NC #: 57102

Section E: Facility Business Information

13. What type of business is being conducted at this equipment location?
Aircraft Fixed Base Operation- FBO

14. What is your businesses primary NAICS Code (North American Industrial Classification System)? 48819

15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator? ◉ No ○ Yes

16. Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location? ◉ No ○ Yes

Section F: Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application is true and correct.

17. Signature of Responsible Official:
Karin Davidson

18. Title:
General Manager

19. Print Name:
Karin Davidson

20. Date:
03/02/2010

Check List

- ☒ Form(s) signed and dated by authorized official
- ☒ Supplemental Equipment Form (400-E-XX or 400-E-GEN)
- ☒ CEQA Form (400-CEQA) attached
- ☒ Payment for permit processing fee attached

Your application will be rejected if any of the above items are missing.

AQMD USE ONLY	APPLICATION/TRACKING #	TYPE	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
	508796 LA	B C D	345117	$ 3077.28	3/12/10
ENG. A R DATE	ENG. A R DATE	CLASS I II III IV	ASSIGNMENT Unit J Engineer	CHECK/MONEY ORDER # 335635	AMOUNT $3077.28 / Tracking # 86764

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3077.28

S.C.A.Q.M.D.
ENGINEERING

S.C.A.Q.M.D.
REVENUE RECEIVING

'10 MAR 12 P2:12

10 MAR 11 P1:56

Fuel Farm

South Coast Air Quality Management District

FORM 400-E-11
FUEL DISPENSING AND STORAGE EQUIPMENT

Mail Application To:
SCAQMD
P.O. Box 4944
Diamond Bar, CA 91765
Tel: (909) 396-3385
www.aqmd.gov

This form must be accompanied by a completed Application for a Permit to Construct/Operate -Form 400A, Form CEQA, Plot Plan and Stack Form

Permit to be issued to (Business name of operator to appear on permit):
Mercury Air Group, Mercury Air Center, DBA Atlantic Ontario

Address where the equipment will be operated (for equipment which will be moved to various location in AQMD's jurisdiction, please list the initial location site):
2161 E. Avion St. Ontario Ca. 91761 (•) Fixed Location ( ) Various Locations

SECTION A: FACILITY INFORMATION

Property Zone	a. ( ) Commercial b. ( ) Residential c. ( ) Industrial d. ( ) Parking e. (•) Other (specify): Ontario Int. Airport
Business Type	a. (•) Retail b. ( ) Non-Retail For Non-Retail facilities only, do you own any fleet vehicles? ( ) No ( ) Yes Total number of fleet vehicles: For Retail facilities only: a. Has the owner/operator attended a SCAQMD approved Rule 461 training course? (•) No ( ) Yes Date of Course Completion: b. Has the owner/operator developed an Operation and Maintenance manual as required by Rule 461? (•) No ( ) Yes
Operating Schedule	18 hours/day 7 days/week 365 days/year

SECTION B: EQUIPMENT INFORMATION

1. UNDERGROUND STORAGE TANK INFORMATION: COMPLETE AND CHECK THE APPROPRIATE COLUMNS (EXCLUDING DIESEL)

Tank No.	Fuel Type (e.g. Unleaded)	Tank Capacity (Gallons)	Phase I Design		Manifold Location		New	Existing	Remove
			Coaxial	Two-Point	Underground	At Vent			
1 & 2	Jet A	25,000.00			X		( )	(•)	( )
3	Jet A	15,000.00			X		( )	(•)	( )
4	AVGAS	15,000.00			Gravity		( )	(•)	( )
5	Unleaded	6,000.00			Gravity		( )	(•)	( )
6	Waste	2,000.00			Gravity		( )	(•)	( )

40-50K/mo
800 gal/mo
2000 gal/mo

CGN 5K 5000/mo

Slop

a. Provide Phase I CARB Executive Order Number (see instructions): OPW

b. Are any of these storage tanks dual or multi-compartment? (•) No ( ) Yes
Identify the compartments by tank number and letter (e.g. 1A, 1B, 1C, etc.).

c. Are any of these storage tanks methanol compatible? (•) No ( ) Yes (Identify these tanks)

d. Will any of these storage tanks be located in a vault below grade? (•) No ( ) Yes

e. Will a condensate/vapor trap be installed in the vapor return line? ( ) No (X) Yes

f. Will the tank(s) at this site contain a remote fill? ( ) No (X) Yes

g. Will a flex-type piping be used for the vapor return line? (•) No ( ) Yes

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All EXISTING gasoline storage tanks shall be equipped with the following CARB certified equipment:

- Phase I Vapor Control;
- Submerged Fill Tubes; and,
- Spill Boxes.

In addition to the above mentioned requirements, all NEW construction or tank replacement applications shall have a two point design Phase I vapor recovery system AND have all gasoline tanks manifolded underground. Furthermore, all underground storage tanks shall be methanol fuel compatible (include methanol compatible certificate).

2. ABOVEGROUND STORAGE TANK INFORMATION: COMPLETE AND CHECK THE APPROPRIATE COLUMNS (EXCLUDING DIESEL)

Tank No.	Fuel type (e.g.; Reg, Unleaded)	Tank Capacity (Gallons)	Tank Dimensions L x W x H L x Dia (Feet-Inches)	Tank Manufacturer Control Type* or CARB EO	Stack Height (Feet)	Hose Length (Feet)	New	Existing	Remove
N/A							☐	☐	☐
N/A							☐	☐	☐
N/A							☐	☐	☐

Are any of these storage tanks dual or multi-compartment? Identify the compartments by tank number and letter (e.g. 1A, 1B, 1C, etc.). ☐ No ☐ Yes

3. For new construction or vent pipe relocations, submit a plot plan identifying island locations, all underground piping locations with pipe diameters, dispenser locations, vent pipe locations, and structures surrounding the property line. Have you included this plot plan with this application ☐ No ☐ Yes

4. Identify which one of the layouts on Attachment I most accurately represents your facility's configuration (fuel pump islands and set-up). In addition, identify the direction of North by placing an arrow in the circle provided and identify dispenser location by placing a dot on the island configuration. If none of the figures in Attachment I apply to your facility, complete Figure 9 by sketching the layout of your fuel pump islands. Using the same format in Attachment I, number each island and indicate the distances between them.

Figure N/A Distance A: (ft) Distance B: (ft) Distance C: (ft)

5. Indicate the distance, direction from △, and address of the nearest residential and commercial/industrial structure located outside the property line of the facility as measured from the approximate center of the islands (shown as △ in the figures):

Residential (ft)
Direction (Select One): ☐ N ☐ NE ☐ E ☐ SE ☐ S ☐ SW ☐ W ☐ NW
Located at:

Commercial/Industrial (ft)
Direction (Select One): ☐ N ☐ NE ☐ E ☐ SE ☐ S ☐ SW
Located at:

6. FUELING POSITION INFORMATION: COMPLETE FOR ALTERATIONS OR NEW CONSTRUCTION

Total Number of Fueling Positions After Alteration or New Construction	Total Number of Fueling Positions Prior to Alteration (For Alterations Only)	

7. NOZZLE INFORMATION: COMPLETE ALL COLUMNS

Fuel Type (e.g. Unleaded)	# New Nozzles	# Existing Nozzles	# Removed Nozzles	CARB Executive Order OR Control Type* (Phase II)	Maximum Monthly Throughput (Gal/Mo)	Maximum Annual Throughput (Gal/Yr)
N/A						
N/A						
N/A						

See lists on page 1.

8. GASOLINE PRODUCT INFORMATION: COMPLETE TABLE

			# Of Product (Excluding Diesel)		
TOTAL NUMBER OF NOZZLES:	0				
Number of nozzle(s) dispensing ONE product (grade) of gasoline:	0	x	1	=	0
Number of nozzle(s) dispensing TWO products (grades) of gasoline:	0	x	2	=	0
Number of nozzle(s) dispensing THREE products (grades) of gasoline:	0	x	3	=	0
TOTAL NOZZLE COUNT: (This should be the same as TOTAL NUMBER OF NOZZLES above)	0		TOTAL PRODUCT COUNT	=	0

9. DISPENSER INFORMATION: COMPLETE AND CHECK THE APPROPRIATE COLUMNS

Dispenser		No. of Similar Dispensers	Dispenser			No. of Nozzles Per Dispenser		
Make	Model No.		New	Existing	Removed	Unleaded	Diesel	Methanol
UNK				◉		1	0	0

10. THROUGHPUT INFORMATION: PROVIDE THROUGHPUT RECORDS FOR THE PAST 2 YEARS (EXISTING SITES)

Year of Operation	Fuel Type	Throughput (Gal/Yr)	Days of Operation
2009	Gasoline	24,000	365
2008	Gasoline		

11. For existing gasoline storage and dispensing systems and based on the following, please provide a copy of your MOST RECENT vapor recovery test results.

a. Balance System Tests:
- Static Pressure (Leak-Decay);
- Dynamic Pressure (Back-Pressure); and,
- Liquid Removal (if applicable).

b. Vacuum Assisted System Tests (Except Healy and Hirt Systems):
- Static Pressure (Leak-Decay); and,
- Air-to-Liquid Ratio (A/L).

c. Healy Vacuum Assisted System Tests:
- Static Pressure (Leak-Decay);
- Air-to-Liquid Ratio (A/L); and,
- Vapor Return Line.

d. Vacuum Assisted Hirt System Test:
- Air-to-Liquid Ratio (A/L).

e. For systems not mentioned, provide required test results as per that system's executive order.

12. Include All drawings as mentioned in Form 400-E-11 Requirements.

SECTION C: APPLICANT CERTIFICATION STATEMENT

I hereby certify that all information contained herein and information submitted with this application is true and correct.

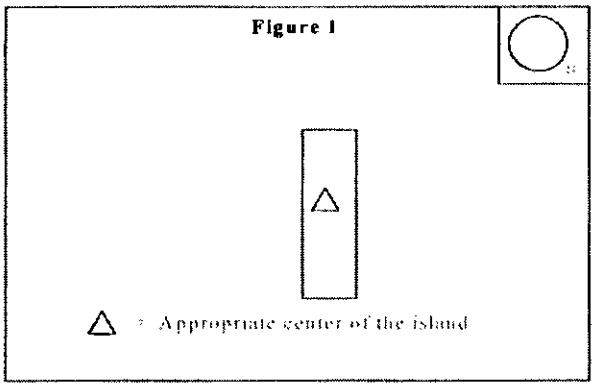
SIGNATURE OF PREPARER:	TITLE OF PREPARER:	PREPARER'S TELEPHONE NUMBER:
Tony Cibrian	Operation Mngr.	909)390-2370
		PREPARER'S E-MAIL ADDRESS:

CONTACT PERSON FOR INFORMATION ON THIS EQUIPMENT:	CONTACT PERSON'S TELEPHONE NUMBER:	DATE SIGNED:
E-MAIL ADDRESS:	FAX NUMBER:	3/2/10

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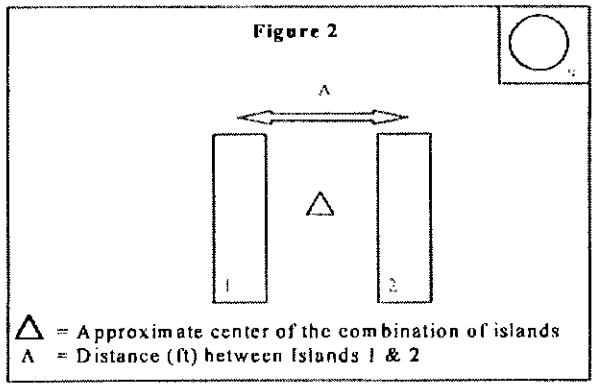
ATTACHMENT I
LAYOUTS

Figure 1



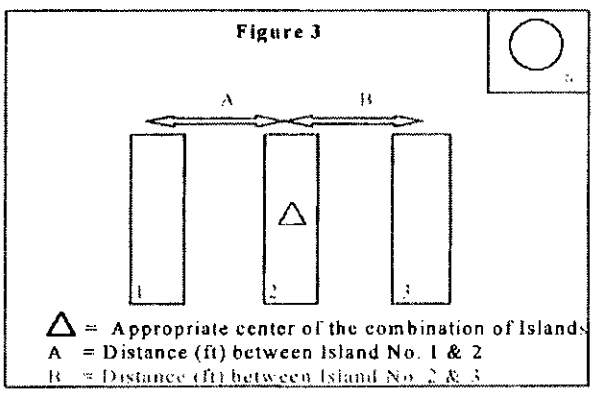
△ = Appropriate center of the island

Figure 2



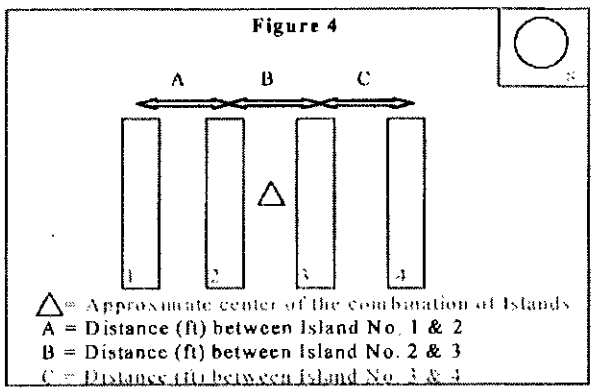
△ = Approximate center of the combination of islands
A = Distance (ft) between Islands 1 & 2

Figure 3



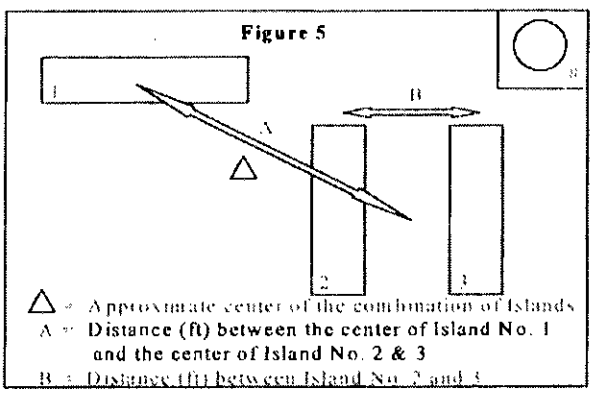
△ = Appropriate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 2 & 3

Figure 4



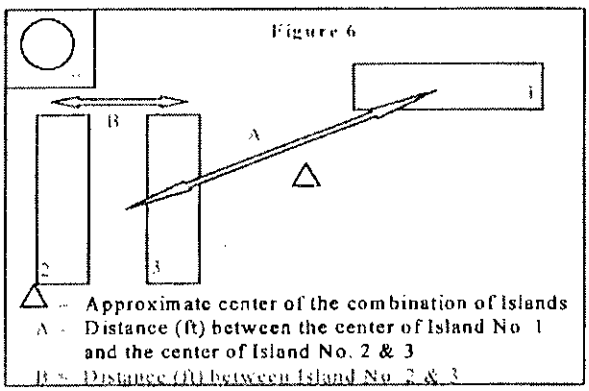
△ = Approximate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 2 & 3
C = Distance (ft) between Island No. 3 & 4

Figure 5



△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2 & 3
B = Distance (ft) between Island No. 2 and 3

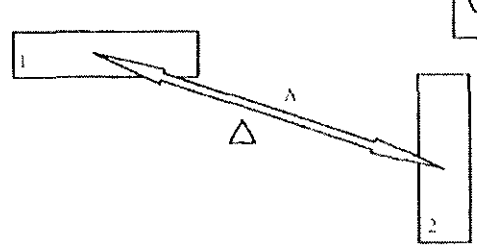
Figure 6



△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2 & 3
B = Distance (ft) between Island No. 2 & 3

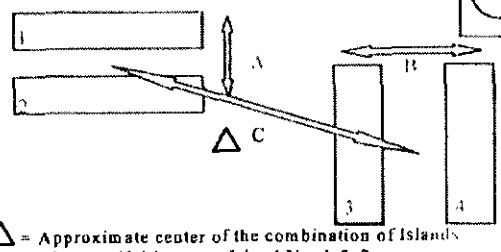
ATTACHMENT I (Continued)
LAYOUTS

Figure 7



△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No. 1 and the center of Island No. 2

Figure 8



△ = Approximate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No. 3 & 4
C = Distance (ft) between the center of Island No. 1 and 2 and the center of Island No. 3 & 4

Figure 9

Legend

= Fuel Pump Island

△ = Approximate center of the combination of Islands

South Coast Air Quality Management District

Form 400-CEQA

California Environmental Quality Act (CEQA) Applicability

Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765

Tel: (909) 396-3385

www.aqmd.gov

The SCAQMD is required by state law, the California Environmental Quality Act (CEQA), to review discretionary permit project applications for potential air quality and other environmental impacts. This form is a screening tool to assist the SCAQMD in clarifying whether or not the project[1] has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document (CEQA Guidelines §15060(a)).[2] Refer to the attached instructions for guidance in completing this form.[3] For each Form 400-A application, also complete and submit one Form 400-CEQA. If submitting multiple Form 400-A applications for the same project at the same time, only one 400-CEQA form is necessary for the entire project. If you need assistance completing this form, contact Lori Inga at (909) 396-3109.

FACILITY INFORMATION

Business Name of Operator to Appear on the Permit:	Facility ID (6-Digit):
Mercury Air Group, Mercury Air Center, DBA Atlantic	114338

Project Description:

Under new Ownership- New Owner is Atlantic Aviation

REVIEW FOR EXEMPTION FROM FURTHER CEQA ACTION

Check "Yes" or "No" as applicable

	Yes	No	Is this application for:
A.	○	◉	**A CEQA and/or NEPA document previously or currently prepared that specifically evaluates this project?** If yes, a permit cannot be issued until a Final CEQA document and Notice of Determination is submitted.
B.	X	●	**A request for a change of permittee only (without equipment modifications)?**
C.	○	◉	**Equipment certification or equipment registration** (qualifies for Rule 222)?
D.	○	◉	**A functionally identical permit unit replacement with no increase in rating or emissions?**
E.	○	◉	**A change of daily VOC permit limit to a monthly VOC permit limit?**
F.	○	◉	**Equipment damaged as a result of a disaster during state of emergency?**
G.	○	◉	**A Title V** (i.e., Regulation XXX) **permit renewal (without equipment modifications)?**
H.	○	◉	**A Title V administrative permit revision?**
I.	○	◉	**The conversion of an existing permit into an initial Title V permit?**

If "Yes" is checked for any question above, your application does not require additional evaluation for CEQA applicability. Skip to page 2, "SIGNATURES" and sign and date this form.

REVIEW OF IMPACTS WHICH MAY TRIGGER CEQA

Complete Sections I-VI by checking "Yes" or "No" as applicable. To avoid delays in processing your application(s), explain all "Yes" responses on a separate sheet and attach it to this form.

	Yes	No	Section I – General
1.	○	○	**Has this project generated any known public controversy regarding potential adverse impacts that may be generated by the project?** Controversy may be construed as concerns raised by local groups at public meetings; adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc.
2.	○	○	**Is this project part of a larger project?**
			Section II – Air Quality
3.	○	○	**Will there be any demolition, excavating, and/or grading construction activities that encompass an area exceeding 20,000 square feet?**
4.	○	○	**Does this project include the open outdoor storage of dry bulk solid materials that could generate dust?** If Yes, include a plot plan with the application package.

[1] A "project" means the whole of an action which has a potential for resulting in physical change to the environment, including construction activities, clearing or grading of land, improvements to existing structures, and activities or equipment involving the issuance of a permit. For example, a project might include installation of a new, or modification of an existing internal combustion engine, dry-cleaning facility, boiler, gas turbine, spray coating booth, solvent cleaning tank, etc.

[2] To download the CEQA guidelines, visit [illegible]

[3] To download this form and the instructions, visit http://www.aqmd.gov/ceqa or [illegible]

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	Yes	No	
5.	☐	☐	**Would this project result in noticeable off-site odors from activities that may not be subject to SCAQMD permit requirements?** For example, compost materials or other types of greenwaste (i.e., lawn clippings, tree trimmings, etc.) have the potential to generate odor complaints subject to Rule 402 – Nuisance.
6.	☐	☐	**Does this project cause an increase of emissions from marine vessels, trains and/or airplanes?**
7.	☐	☐	**Will the proposed project increase the QUANTITY of hazardous materials stored aboveground onsite or transported by mobile vehicle to or from the site by greater than or equal to the amounts associated with each compound on the attached Table 1?[4]**
			Section III – Water Resources
8.	☐	☐	**Will the project increase demand for water at the facility by more than 5,000,000 gallons per day?** The following examples identify some, but not all, types of projects that may result in a "yes" answer to this question: 1) projects that generate steam; 2) projects that use water as part of the air pollution control equipment; 3) projects that require water as part of the production process; 4) projects that require new or expansion of existing sewage treatment facilities; 5) projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project; and 6) projects that require new or expansion of existing water supply facilities.
9.	☐	☐	**Will the project require construction of new water conveyance infrastructure?** Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities such that the project requires new water lines, sewage lines, sewage hook-ups, etc.
			Section IV – Transportation/Circulation
10.			**Will the project result in** (Check all that apply):
	☐	☐	**a. the need for more than 350 new employees?**
	☐	☐	**b. an increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round-trips per day?**
	☐	☐	**c. increase customer traffic by more than 700 visits per day?**
			Section V – Noise
11.	☐	☐	**Will the project include equipment that will generate noise GREATER THAN 90 decibels (dB) at the property line?**
			Section VI – Public Services
12.			**Will the project create a permanent need for new or additional public services in any of the following areas** (Check all that apply):
	☐	☐	**a. Solid waste disposal?** Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day.
	☐	☐	**b. Hazardous waste disposal?** Check "No" if the projected potential amount of hazardous wastes generated by the project is less than 42 cubic yards per day (or equivalent in pounds).

"REMINDER: For each "Yes" checked in the sections above, attach all pertinent information including but not limited to estimated quantities, volumes, weights, etc."

SIGNATURES

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THIS FORM IS A SCREENING TOOL AND THAT THE SCAQMD RESERVES THE RIGHT TO CONSIDER OTHER PERTINENT INFORMATION IN DETERMINING CEQA APPLICABILITY.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:	TITLE OF RESPONSIBLE OFFICIAL OF FIRM:	
Karin Davidson	Atlantic Ontario General Manager	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: Karin Davidson	RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (909) 390-2370	DATE Signed: 03/02/2010
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: Tony Olivas	TITLE OF PREPARER: Antonio Casillas	
TYPE OR PRINT NAME OF PREPARER: Operations Manager	PREPARER'S TELEPHONE NUMBER: (909)390-2370	DATE Signed: 03/02/2010

THIS CONCLUDES FORM 400-CEQA. INCLUDE THIS FORM AND THE ATTACHMENTS WITH FORM 400-A.

[4] Table 1 – Regulated Substances List and Threshold Quantities for Accidental Release Prevention can be found in the Instructions for Form 400-CEQA.

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South Coast Air Quality Management District

Form 400-A

Application For Permit To Construct and Permit To Operate

Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765

Tel (909) 396-3385
www.aqmd.gov

Section A: Operator Information

1. **Business Name of Operator To Appear On The Permit:**
Mercury Air Center dba Atlantic Aviation Ontario

2. **Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD):** 114338

3. **Owner's Business Name (only if different from Business Name of Operator):** Atlantic Aviation

Section B: Equipment Location

4. **Equipment Location Address:**
For equipment operated at various locations in AQMD's jurisdiction, provide address of initial site

2161 E Avion St
Street Address

Ontario CA, 91761
City State Zip Code

County ○ Los Angeles ○ Orange ◉ San Bernardino ○ Riverside

Contact Name: Antonio Casillas

Contact Title: Operations Manager Phone: (909) 390-2370

Fax: (909) 390-4508 E-Mail

Section C: Permit Mailing Address

5. **Permit and Correspondence Information:**
☒ Check here if same as equipment location address

Street Address

City State Zip Code

Contact Name.

Contact Title: Phone

Fax: E-Mail

Section D: Application Type

The facility is in ○ RECLAIM ○ Title V ○ RECLAIM & Title V Program (please check if applicable)

6. **Reason for Submitting Application (Select only ONE):**

- ○ New Construction (Permit to Construct)
- ◉ Equipment Operating Without A Permit or Expired Permit*
- ○ Administrative Change
- ○ Equipment On-Site But Not Constructed or Operational
- ○ Title V Application (Initial, Revisions, Modifications, etc.)
- ○ Compliance Plan
- ○ Facility Permit Amendment
- ○ Registration/Certification
- ○ Streamlined Standard Permit
- ○ Permitted Equipment Altered/ Modified Without Permit Approval*
- ○ Proposed Alteration/Modification to Permitted Equipment
- ○ Change of Condition For Permit To Operate
- ○ Change of Condition For Permit To Construct
- ○ Change of Location—Moving to New Site

Existing Or Previous Permit/Application Number:
(If you checked any of the items in this column, you MUST provide a existing Permit/ Application Number)

* A Higher Permit Processing Fee applies to those items with an asterisk (Rule 301 (c) (1) (D)

7. **Estimated Start Date of Operation/Construction (MM/DD/YYYY):** 01/01/2010

8. **Description of Equipment:**
Cargo tank motor vehicle fueling system(mobile refueler)

9. **Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction?** ◉ No ○ Yes

10. **For Identical equipment, how many additional applications are being submitted with this application?** (Form 400-A required for each)

11. **Are you a Small Business as per AQMD's Rule 102 definition?** (10 employees or less and total gross receipts are $500,000 or less, or a not-for-profit training center?) ◉ No ○ Yes

12. **Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment?**
○ No ◉ Yes If yes, provide NOV/NC #: 57102

Section E: Facility Business Information

13. **What type of business is being conducted at this equipment location?**
Aircraft Fixed Base Operation- FBO

14. **What is your businesses primary NAICS Code** (North American Industrial Classification System)? 48819

15. **Are there other facilities in the SCAQMD jurisdiction operated by the same operator?** ◉ No ○ Yes

16. **Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location?** ◉ No ○ Yes

Section F: Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application is true and correct.

17. **Signature of Responsible Official:** Karin Davidson

18. **Title:** General Manager

19. **Print Name:** Karin Davidson

20. **Date:** 03/02/2010

Check List

- ☒ Form(s) signed and dated by authorized official
- ☒ Supplemental Equipment Form (400-E-XX or 400-E-GEN)
- ☒ CEQA Form (400-CEQA) attached
- ☒ Payment for permit processing fee attached

Your application will be rejected if any of the above items are missing.

AQMD USE ONLY	APPLICATION TRACKING # 508858 LA	TYPE B C D	EQUIPMENT CATEGORY CODE.	FEE SCHEDULE: $	VALIDATION 3/12/10
ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT Unit Engineer	CHECK/MONEY ORDER #335634	AMOUNT $930.83	Tracking # 86783

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~~1983~~ 1930.83

S.C.E. & G. CO.
ENGINEERING

S.C.E. & G. CO.
REVENUE RECEIVING 10 MAR 12 P2:12

10 MAR 11 P1:55

South Coast Air Quality Management District

Mobile Refueler

FORM 400-E-11
FUEL DISPENSING AND STORAGE EQUIPMENT

Mail Application To:
SCAQMD
P O. Box 4944
Diamond Bar, CA 91765
Tel (909) 396-3385
www.aqmd.gov

This form must be accompanied by a completed Application for a Permit to Construct/Operate -Form 400A, Form CEQA, Plot Plan and Stack Form

Permit to be issued to (Business name of operator to appear on permit):

Address where the equipment will be operated (for equipment which will be moved to various location in AQMD's jurisdiction, please list the initial location site):

○ Fixed Location ○ Various Locations

SECTION A: FACILITY INFORMATION

Property Zone	a. ○ Commercial b. ○ Residential c. ○ Industrial d. ○ Parking e. ◉ Other (specify): Ontario Int. Airport
Business Type	a. ◉ Retail b. ○ Non-Retail For Non-Retail facilities only, do you own any fleet vehicles? ○ No ○ Yes Total number of fleet vehicles: For Retail facilities only: a. Has the owner/operator attended a SCAQMD approved Rule 461 training course? ◉ No ○ Yes Date of Course Completion: b. Has the owner/operator developed an Operation and Maintenance manual as required by Rule 461? ◉ No ○ Yes
Operating Schedule	18 hours/day 7 days/week 365 days/year

SECTION B: EQUIPMENT INFORMATION

1. UNDERGROUND STORAGE TANK INFORMATION: COMPLETE AND CHECK THE APPROPRIATE COLUMNS (EXCLUDING DIESEL)

Tank No.	Fuel Type (e.g. Unleaded)	Tank Capacity (Gallons)	Phase I Design		Manifold Location		New	Existing	Remove
			Coaxial	Two-Point	Underground	At Vent			
~~T2~~	~~Unleaded~~	~~1,000.00~~					○	◉	○
							○	○	○
							○	○	○
							○	○	○
							○	○	○

a. Provide Phase I CARB Executive Order Number (see instructions):

b. Are any of these storage tanks dual or multi-compartment? ○ No ◉ Yes
Identify the compartments by tank number and letter (e.g. 1A, 1B, 1C, etc.).

c. Are any of these storage tanks methanol compatible? ◉ No ○ Yes (Identify these tanks)

d. Will any of these storage tanks be located in a vault below grade? ◉ No ○ Yes

e. Will a condensate/vapor trap be installed in the vapor return line? ○ No ◉ Yes

f. Will the tank(s) at this site contain a remote fill? ◉ No ○ Yes

g. Will a flex-type piping be used for the vapor return line? ◉ No ○ Yes

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All EXISTING gasoline storage tanks shall be equipped with the following CARB certified equipment:

- Phase I Vapor Control;
- Submerged Fill Tubes; and,
- Spill Boxes.

In addition to the above mentioned requirements, all NEW construction or tank replacement applications shall have a two point design Phase I vapor recovery system AND have all gasoline tanks manifolded underground. Furthermore, all underground storage tanks shall be methanol fuel compatible (include methanol compatible certificate).

2. ABOVEGROUND STORAGE TANK INFORMATION: COMPLETE AND CHECK THE APPROPRIATE COLUMNS (EXCLUDING DIESEL)

Tank No.	Fuel type (e.g.; Reg, Unleaded)	Tank Capacity (Gallons)	Tank Dimensions L x W x H L x Dia (Feet-Inches)	Tank Manufacturer Control Type* or CARB EO	Stack Height (Feet)	Hose Length (Feet)	New	Existing	Remove
	Unleaded	1000					○	○	○
	Diesel	1000					○	○	○
							○	○	○

see permit

Are any of these storage tanks dual or multi-compartment?
Identify the compartments by tank number and letter (e.g. 1A, 1B, 1C, etc.). ○ No ○ Yes

3. For new construction or vent pipe relocations, submit a plot plan identifying island locations, all underground piping locations with pipe diameters, dispenser locations, vent pipe locations, and structures surrounding the property line. Have you included this plot plan with this application ○ No ○ Yes

4. Identify which one of the layouts on Attachment I most accurately represents your facility's configuration (fuel pump islands and set-up). In addition, identify the direction of North by placing an arrow in the circle provided and identify dispenser location by placing a dot on the island configuration. If none of the figures in Attachment I apply to your facility, complete Figure 9 by sketching the layout of your fuel pump islands. Using the same format in Attachment I, number each island and indicate the distances between them.

Figure Distance A: (ft) Distance B: (ft) Distance C: (ft)

5. Indicate the distance, direction from △, and address of the nearest residential and commercial/industrial structure located outside the property line of the facility as measured from the approximate center of the islands (shown as △ in the figures):

Residential (ft)
Direction (Select One): ○ N ○ NE ○ E ○ SE ○ S ○ SW ○ W ○ NW
Located at:

Commercial/Industrial (ft)
Direction (Select One): ○ N ○ NE ○ E ○ SE ○ S ○ SW
Located at:

6. FUELING POSITION INFORMATION: COMPLETE FOR ALTERATIONS OR NEW CONSTRUCTION

Total Number of Fueling Positions After Alteration or New Construction	Total Number of Fueling Positions Prior to Alteration (For Alterations Only)	

7. NOZZLE INFORMATION: COMPLETE ALL COLUMNS

Fuel Type (e.g. Unleaded)	# New Nozzles	# Existing Nozzles	# Removed Nozzles	CARB Executive Order OR Control Type* (Phase II)	Maximum Monthly Throughput (Gal/Mo)	Maximum Annual Throughput (Gal/Yr)
Unleaded		1		G-70-193	~~2,200~~ 5000	~~26,400~~ 60000

See lists on page 1.

8. GASOLINE PRODUCT INFORMATION: COMPLETE TABLE

			# Of Product (Excluding Diesel)		
TOTAL NUMBER OF NOZZLES:	1				
Number of nozzle(s) dispensing ONE product (grade) of gasoline:	1	X	1	=	1
Number of nozzle(s) dispensing TWO products (grades) of gasoline:	0	X	2	=	0
Number of nozzle(s) dispensing THREE products (grades) of gasoline:	0	X	3	=	0
TOTAL NOZZLE COUNT: (This should be the same as TOTAL NUMBER OF NOZZLES above)	1		TOTAL PRODUCT COUNT	=	1

9. DISPENSER INFORMATION: COMPLETE AND CHECK THE APPROPRIATE COLUMNS

Dispenser		No. of Similar Dispensers	Dispenser			No. of Nozzles Per Dispenser		
Make	Model No.		New	Existing	Removed	Unleaded	Diesel	Methanol
unk			○	◉	○	1		
			○	○	○			
			○	○	○			
			○	○	○			

10. THROUGHPUT INFORMATION: PROVIDE THROUGHPUT RECORDS FOR THE PAST 2 YEARS (EXISTING SITES)

Year of Operation	Fuel Type	Throughput (Gal/Yr)	Days of Operation
2009	Gasoline	24,000	365
	Gasoline		

11. For existing gasoline storage and dispensing systems and based on the following, please provide a copy of your MOST RECENT vapor recovery test results.

a. Balance System Tests:
- Static Pressure (Leak-Decay);
- Dynamic Pressure (Back-Pressure); and,
- Liquid Removal (if applicable).

b. Vacuum Assisted System Tests (Except Healy and Hirt Systems):
- Static Pressure (Leak-Decay); and,
- Air-to-Liquid Ratio (A/L).

c. Healy Vacuum Assisted System Tests:
- Static Pressure (Leak-Decay);
- Air-to-Liquid Ratio (A/L); and,
- Vapor Return Line.

d. Vacuum Assisted Hirt System Test:
- Air-to-Liquid Ratio (A/L).

e. For systems not mentioned, provide required test results as per that system's executive order.

12. Include All drawings as mentioned in Form 400-E-11 Requirements.

SECTION C: APPLICANT CERTIFICATION STATEMENT

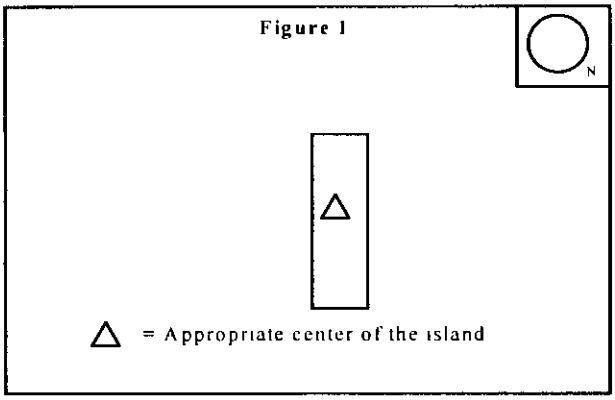
I hereby certify that all information contained herein and information submitted with this application is true and correct.

SIGNATURE OF PREPARER	TITLE OF PREPARER:	PREPARER'S TELEPHONE NUMBER: (909) 390-2370
	Operation Manager	PREPARER'S E-MAIL ADDRESS:

CONTACT PERSON FOR INFORMATION ON THIS EQUIPMENT:	CONTACT PERSON'S	DATE SIGNED:
Antonio Casillas	TELEPHONE NUMBER: (909) 390-2370	
E-MAIL ADDRESS:	FAX NUMBER: (909) 390-4508	03/08/2010

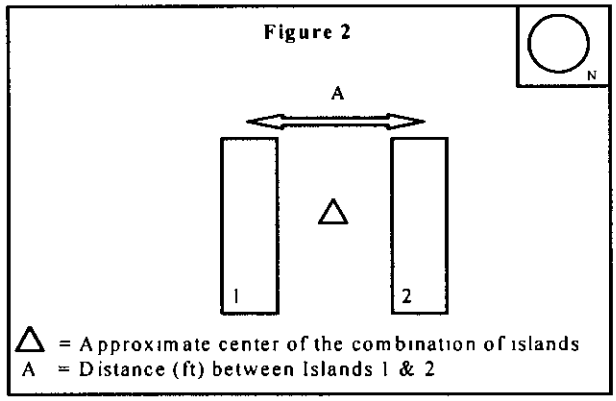
ATTACHMENT I
LAYOUTS

Figure 1



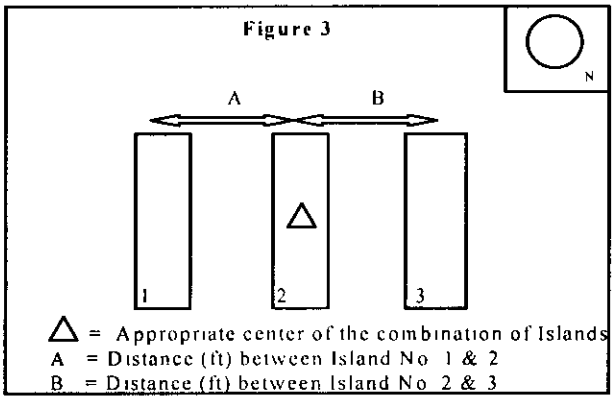
△ = Appropriate center of the island

Figure 2



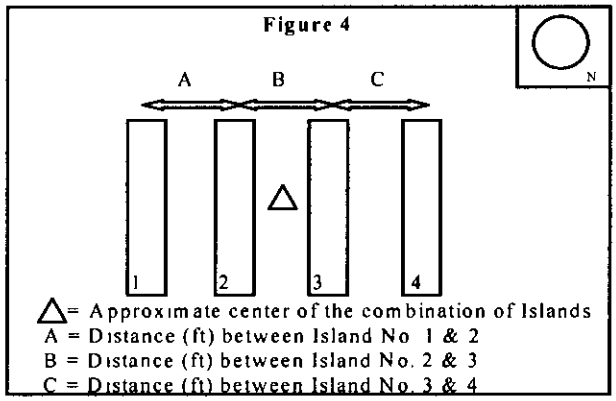
△ = Approximate center of the combination of islands
A = Distance (ft) between Islands 1 & 2

Figure 3



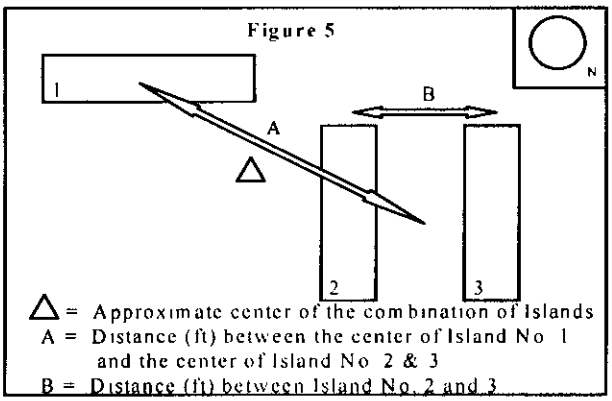
△ = Appropriate center of the combination of Islands
A = Distance (ft) between Island No 1 & 2
B = Distance (ft) between Island No 2 & 3

Figure 4



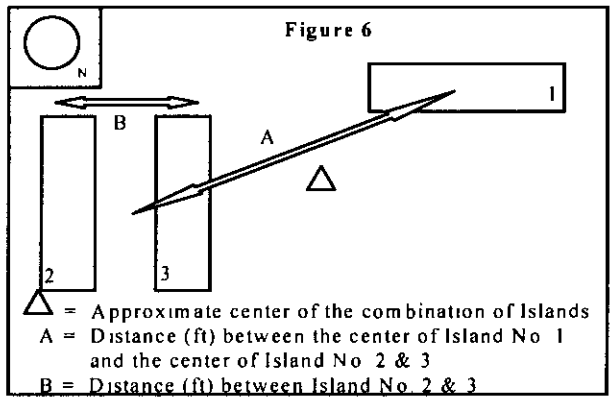
△= Approximate center of the combination of Islands
A = Distance (ft) between Island No 1 & 2
B = Distance (ft) between Island No. 2 & 3
C = Distance (ft) between Island No. 3 & 4

Figure 5



△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No 1 and the center of Island No 2 & 3
B = Distance (ft) between Island No. 2 and 3

Figure 6

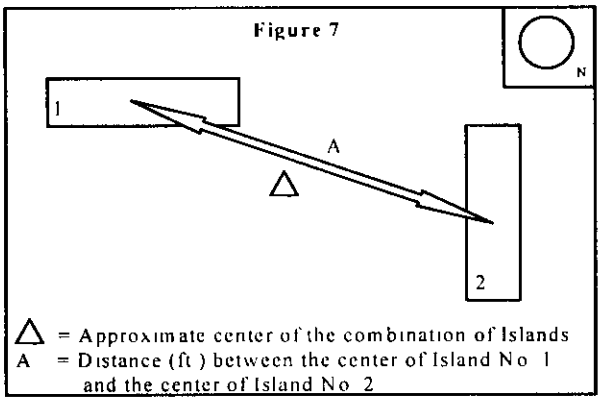


△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No 1 and the center of Island No 2 & 3
B = Distance (ft) between Island No. 2 & 3

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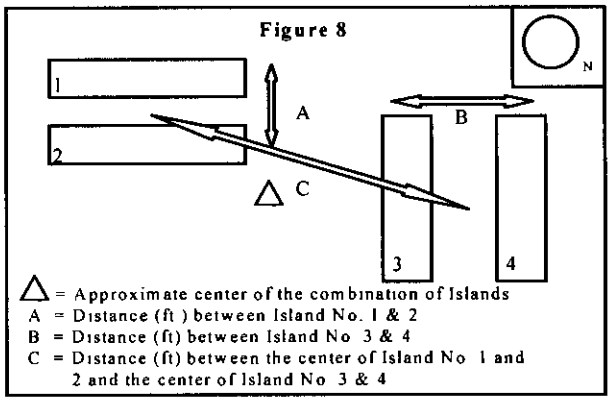
ATTACHMENT I (Continued)
LAYOUTS

Figure 7



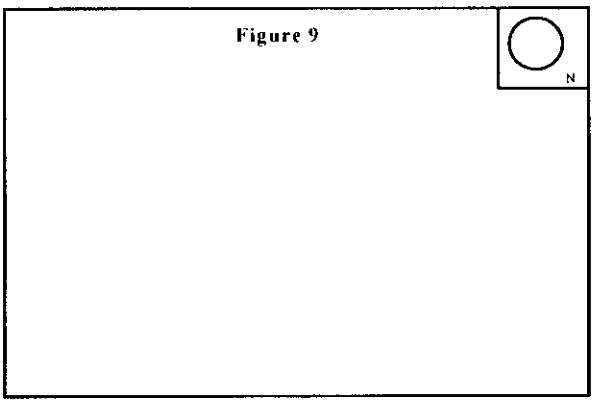
△ = Approximate center of the combination of Islands
A = Distance (ft) between the center of Island No 1 and the center of Island No 2

Figure 8



△ = Approximate center of the combination of Islands
A = Distance (ft) between Island No. 1 & 2
B = Distance (ft) between Island No 3 & 4
C = Distance (ft) between the center of Island No 1 and 2 and the center of Island No 3 & 4

Figure 9



Legend



= Fuel Pump Island

△ = Approximate center of the combination of Islands

South Coast Air Quality Management District

Form 400-CEQA

California Environmental Quality Act (CEQA) Applicability

Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765

Tel (909) 396-3385

www.aqmd.gov

The SCAQMD is required by state law, the California Environmental Quality Act (CEQA), to review discretionary permit project applications for potential air quality and other environmental impacts. This form is a screening tool to assist the SCAQMD in clarifying whether or not the project[1] has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document [CEQA Guidelines §15060(a)].[2] Refer to the attached instructions for guidance in completing this form.[3] For each Form 400-A application, also complete and submit one Form 400-CEQA. If submitting multiple Form 400-A applications for the same project at the same time, only one 400-CEQA form is necessary for the entire project. If you need assistance completing this form, contact Lori Inga at (909) 396-3109

FACILITY INFORMATION

Business Name of Operator to Appear on the Permit:	Facility ID (6-Digit)
Mercury Air Center dba Atlantic Aviation	114338

Project Description:

Under new ownership - Atlantic Aviation

REVIEW FOR EXEMPTION FROM FURTHER CEQA ACTION

Check "Yes" or "No" as applicable

	Yes	No	Is this application for:
A.	○	●	**A CEQA and/or NEPA document previously or currently prepared that specifically evaluates this project?** If yes, a permit cannot be issued until a Final CEQA document and Notice of Determination is submitted
B.	X	○	**A request for a change of permittee only (without equipment modifications)?**
C.	○	●	**Equipment certification or equipment registration** (qualifies for Rule 222)?
D.	○	●	**A functionally identical permit unit replacement with no increase in rating or emissions?**
E.	○	●	**A change of daily VOC permit limit to a monthly VOC permit limit?**
F.	○	●	**Equipment damaged as a result of a disaster during state of emergency?**
G.	○	●	**A *Title V* (i.e., *Regulation XXX*) *permit renewal (without equipment modifications)*?**
H.	○	●	**A Title V administrative permit revision?**
I.	○	●	**The conversion of an existing permit into an initial Title V permit?**

If "Yes" is checked for any question above, your application does not require additional evaluation for CEQA applicability. Skip to page 2, "SIGNATURES" and sign and date this form

REVIEW OF IMPACTS WHICH MAY TRIGGER CEQA

Complete Sections I-VI by checking "Yes" or "No" as applicable. To avoid delays in processing your application(s), explain all "Yes" responses on a separate sheet and attach it to this form

	Yes	No	Section I – General
1.	○	○	**Has this project generated any known public controversy regarding potential adverse impacts that may be generated by the project?** Controversy may be construed as concerns raised by local groups at public meetings; adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc
2.	○	○	**Is this project part of a larger project?**
			Section II – Air Quality
3.	○	○	**Will there be any demolition, excavating, and/or grading construction activities that encompass an area exceeding 20,000 square feet?**
4.	○	○	**Does this project include the open outdoor storage of dry bulk solid materials that could generate dust?** If Yes, include a plot plan with the application package

[1] A "project" means the whole of an action which has a potential for resulting in physical change to the environment, including construction activities, clearing or grading of land, improvements to existing structures, and activities or equipment involving the issuance of a permit. For example, a project might include installation of a new, or modification of an existing internal combustion engine, dry-cleaning facility, boiler, gas turbine, spray coating booth, solvent cleaning tank, etc.

[2] To download the CEQA guidelines, visit http://ceres.ca.gov/env_law/state.html.

[3] To download this form and the instructions, visit http://www.aqmd.gov/ceqa or http://www.aqmd.gov/permit

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	Yes	No	
5.	○	○	**Would this project result in noticeable off-site odors from activities that may not be subject to SCAQMD permit requirements?** For example, compost materials or other types of greenwaste (i.e., lawn clippings, tree trimmings, etc.) have the potential to generate odor complaints subject to Rule 402 – Nuisance
6.	○	○	**Does this project cause an increase of emissions from marine vessels, trains and/or airplanes?**
7.	○	○	**Will the proposed project increase the QUANTITY of hazardous materials stored aboveground onsite or transported by mobile vehicle to or from the site by greater than or equal to the amounts associated with each compound on the attached Table 1?[4]**
			Section III – Water Resources
8.	○	○	**Will the project increase demand for water at the facility by more than 5,000,000 gallons per day?** The following examples identify some, but not all, types of projects that may result in a "yes" answer to this question: 1) projects that generate steam, 2) projects that use water as part of the air pollution control equipment, 3) projects that require water as part of the production process, 4) projects that require new or expansion of existing sewage treatment facilities, 5) projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project, and 6) projects that require new or expansion of existing water supply facilities.
9.	○	○	**Will the project require construction of new water conveyance infrastructure?** Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities such that the project requires new water lines, sewage lines, sewage hook-ups, etc
			Section IV – Transportation/Circulation
10.			**Will the project result in** (Check all that apply):
	○	○	a. **the need for more than 350 new employees?**
	○	○	b. ***an increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round-trips per day?***
	○	○	c. **increase customer traffic by more than 700 visits per day?**
			Section V – Noise
11.	○	○	**Will the project include equipment that will generate noise GREATER THAN 90 decibels (dB) at the property line?**
			Section VI – Public Services
12.			***Will the project create a permanent need for new or additional public services in any of the following areas*** (Check all that apply):
	○	○	a. **Solid waste disposal?** Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day
	○	○	b. **Hazardous waste disposal?** Check "No" if the projected potential amount of hazardous wastes genereted by the project is less than 42 cubic yards per day (or equivalent in pounds).

***REMINDER:** For each "Yes" checked in the sections above, attach all pertinent information including but not limited to estimated quantities, volumes, weights, etc.**

SIGNATURES

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THIS FORM IS A SCREENING TOOL AND THAT THE SCAQMD RESERVES THE RIGHT TO CONSIDER OTHER PERTINENT INFORMATION IN DETERMINING CEQA APPLICABILITY.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:	TITLE OF RESPONSIBLE OFFICIAL OF FIRM:	
Karin Davidson	Atlantic Ontario General Manager	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM:	**RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER:**	**DATE Signed:**
Karin Davidson		03/02/2010
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:	**TITLE OF PREPARER:**	
Tony Casillas	Operations Manager	
TYPE OR PRINT NAME OF PREPARER:	**PREPARER'S TELEPHONE NUMBER:**	**DATE Signed:**
Antonio Casillas		03/02/2010

THIS CONCLUDES FORM 400-CEQA. INCLUDE THIS FORM AND THE ATTACHMENTS WITH FORM 400-A.

[4] Table 1 – Regulated Substances List and Threshold Quantities for Accidental Release Prevention can be found in the Instructions for Form 400-CEQA.

© South Coast Air Quality Management District, Form 400-CEQA (2006 02)

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:	
INSPECTOR	SECTOR
ISSUE DATE	

Section I - Company Information

LEGAL NAME OF OPERATOR ☐ IRS OR ☐ S. S. NUMBER
GENERAL ELECTRIC COMPANY N/A

BUSINESS MAILING ADDRESS
1923 EAST AVION STREET ONTARIO, CA 91763-7766

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS

TYPE OF ORGANIZATION
X Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS)	AVERAGE ANNUAL GROSS RECEIPTS	IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED?
☐ Yes X No	$130 Billion	☐ Yes X No
	NUMBER OF EMPLOYEES 340,000	

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? X Yes ☐ No 11/16/2000
ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? X Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER OF OWNER
IF NO, ENTER THE LEGAL NAME OF OWNER _____ OK per phone call, Irene

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION
~~1923 EAST AVION STREET~~ 2264 Avion
NUMBER/STREET
ONTARIO CA, 91761-7766
CITY OR COMMUNITY ZIP CODE

FACILITY NAME
GE ENGINE SERVICES
FACILITY ID NUMBER
061160

PRINT NAME OF CONTACT PERSON
IRENE SANTOSCOY
TITLE OF CONTACT PERSON
EHS SPECIALIST

TYPE OF BUSINESS AT THIS FACILITY	PRIMARY SIC CODE FOR THIS FACILITY	NUMBER OF EMPLOYEES AT THIS FACILITY
AIRCRAFT ENGINE REBUILDING AIRCRAFT ENGINE REBUILDING	3 7 2 4	350

CONTACT PERSON'S TELEPHONE NUMBER	CONTACT PERSON'S FAX NUMBER	CONTACT PERSON'S E-MAIL ADDRESS
(909) 937 -5000	(909) 937 - 5319	IRENE.SANTOSCOY@AE.GE.COM

Section III - Application Type

DESCRIPTION OF EQUIPMENT: SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM FOR AREA "A" PREVIOUS PERMIT #(S): D97283 / 3/18/16

APPLICATION FOR (SEE INSTRUCTIONS):
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE X CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? X Yes ☐ No

☐ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

_____ 400-E-1 • PARTICULATE MATTER (PM_{10}) CONTROL EQUIPMENT	_____ 400-E-13 • INTERNAL COMBUSTION EQUIPMENT
_____ 400-E-2 • VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT	_____ 400-E-14 • OPEN PROCESS TANK
_____ 400-E-3 • SCRUBBER	_____ 400-E-14a • OPEN PROCESS TANK; PROCESS LINE
_____ 400-E-4 • ABRASIVE BLASTING EQUIPMENT	_____ 400-E-15 • PRINTING EQUIPMENT
_____ 400-E-6 • DEGREASER	_____ 400-E-16 • SOLID MATERIALS STORAGE EQUIPMENT
_____ 400-E-7 • DRY CLEANING EQUIPMENT	_____ 400-E-17 • SPRAY BOOTH/OPEN SPRAY
_____ 400-E-8 • ETHYLENE OXIDE STERILIZER	_____ 400-E-17a • POWDER SPRAY BOOTH
_____ 400-E-9 • EXTERNAL COMBUSTION EQUIPMENT	_____ 400-E-18 • STORAGE TANK (LIQUID & GASEOUS MAT'L)
_____ 400-E-10 • FOOD BROILER/FRYER	_____ 400-E-19 • WAVE SOLDER MACHINE
_____ 400-E-11 • FUEL DISPENSING AND STORAGE EQUIPMENT	_____ 400-E-20 • ASBESTOS REMOVAL EQUIPMENT
_____ 400-E-12 • GAS TURBINE	_____ NONE • ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☐ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: TITLE OF RESPONSIBLE OFFICIAL OF FIRM: EHS SPECIALIST

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM:	RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER	DATE SIGNED:
IRENE SANTOSCOY	(909) 937 - 5300	11 / 7 / 00

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: Hugh A. Rose TITLE OF PREPARER: CONSULTANT

TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:	PREPARER'S TELEPHONE NUMBER	DATE SIGNED:
HUGH A. ROSE	(661) 254 - 8759	10 / 30 / 00

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD USE ONLY	APPLICATION/TRACKING #	PROJECT #	TYPE	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
	396415	11/21/00	B C D	____/____	$	11/09/00

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT ENGINEER	ENF. SECT.	CHECK/MONEY ORDER AMOUNT
	7/18/1				# 0030482950 $ 2763.90

1 of 4

S.C.A.Q.M.D.
ENGINEERING
'00 NOV -9 P1:11

TITLE V APPLICATION CERTIFICATION

- TO BE COMPLETED BY TITLE V FACILITIES ONLY -

Section IV - Title V Application

1. This is an application for a(n) (Check all applicable boxes and provide the requested information as appropriate):
   a. ☐ Initial Title V Permit
   b. ☐ Permit Renewal: Provide current permit expiration date: ____/____/____
   c. ☐ Administrative Permit Revision (Check all that apply)
      ☐ Change of Ownership. (Complete and attach equipment-specific Form 400-E-xx series forms)
      ☐ Change of Facility Information
      ☐ Other, Please specify: _____
   d. X Other (Complete and attach equipment specific Form 400-E-XX series form(s) to this form if your application involves permit action for new construction, change of location, non-administrative permit revision, alternative operating scenario (AOS), permit shield, streamlined permit conditions, or temporary source permit.)
2. Is this facility required to prepare a Risk Management Plan (RMP) for another agency? ☐ Yes X No

Section V - Title V Submittal Checklist

1. Enter the quantity of each type form submitted in the space provided:

_____	500-A2	_____	500-F1
_____	500-B	_____	500-F2
_____	500-C1	_____	500-F3
_____	500-C2	_____	500-F4
_____	500-D	_____	Other (specify): _____

2. Additional information referenced in this application submitted (Check **ALL** that apply):
   a. x Existing Facility Permit
   b. ☐ Preliminary Facility Permit
   c. ☐ EFB Report for Year _____
   d ☐ None
   e. ☐ Other (Specify): _____
3. Supplemental information included with this application submittal (Check **ALL** that apply):
   a. ☐ Facility Plot Plan
   b. ☐ MSDS Sheet(s)
   c. ☐ None
   d. x Other (Specify): DESCRIPTION OF PROJECT, JUSTIFICATION AND SUGGESTED MODIFIED PERMIT LANGUAGE

AQMD USE ONLY	APPLICATION TYPE	30 DAY PUBLIC NOTICE START DATE	30 DAY PUBLIC NOTICE END DATE	PUBLIC HEARING DATE	45-DAY EPA REVIEW START DATE	45-DAY EPA REVIEW END DATE
	INITIAL, RENEWAL & SIGNIFICANT					
	MINOR & DEMINIMUS					
	ESTABLISH GENERAL PERMIT					

USE THE SECTIONS BELOW FOR TITLE V INITIAL AND RENEWAL APPLICATIONS ONLY:

APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
___ ___ ___ ___ ___ ___			___ ___ ___ ___ ___ ___ / ___ ___	$	

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT	ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT $

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:
INSPECTOR **SECTOR**
ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR
GENERAL ELECTRIC COMPANY
☐ IRS OR ☐ S. S. NUMBER N/A

BUSINESS MAILING ADDRESS
1923 EAST AVION STREET ONTARIO, CA 91763-7766

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS

TYPE OF ORGANIZATION
X Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ Yes X No
AVERAGE ANNUAL GROSS RECEIPTS $130 Billion
NUMBER OF EMPLOYEES 340,000
IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED? ☐ Yes X No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? X Yes ☐ No
ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? X Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER OF OWNER
IF NO, ENTER THE LEGAL NAME OF OWNER

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION
~~1923 EAST AVION STREET~~ 2264 Avion (NUMBER/STREET)
ONTARIO (CITY OR COMMUNITY) CA, 91761-7766 (ZIP CODE)

FACILITY NAME
GE ENGINE SERVICES
FACILITY ID NUMBER
061160

PRINT NAME OF CONTACT PERSON
IRENE SANTOSCOY
TITLE OF CONTACT PERSON
EHS SPECIALIST

TYPE OF BUSINESS AT THIS FACILITY
AIRCRAFT ENGINE REBUILDING AIRCRAFT ENGINE REBUILDING
PRIMARY SIC CODE FOR THIS FACILITY
_3_ _7_ _2_ _4_
NUMBER OF EMPLOYEES AT THIS FACILITY
350

CONTACT PERSON'S TELEPHONE NUMBER
(909) 937 -5000
CONTACT PERSON'S FAX NUMBER
(909) 937 - 5319
CONTACT PERSON'S E-MAIL ADDRESS
IRENE.SANTOSCOY@AE.GE.COM 311820

Section III - Application Type

DESCRIPTION OF EQUIPMENT: SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM FOR AREA "B"
PREVIOUS PERMIT #(S): D97284

APPLICATION FOR (SEE INSTRUCTIONS):
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE X CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? X Yes ☐ No

☐ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

_____	400-E-1 • PARTICULATE MATTER (PM_{10}) CONTROL EQUIPMENT	_____	400-E-13 • INTERNAL COMBUSTION EQUIPMENT
_____	400-E-2 • VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT	_____	400-E-14 • OPEN PROCESS TANK
_____	400-E-3 • SCRUBBER	_____	400-E-14a • OPEN PROCESS TANK; PROCESS LINE
_____	400-E-4 • ABRASIVE BLASTING EQUIPMENT	_____	400-E-15 • PRINTING EQUIPMENT
_____	400-E-6 • DEGREASER	_____	400-E-16 • SOLID MATERIALS STORAGE EQUIPMENT
_____	400-E-7 • DRY CLEANING EQUIPMENT	_____	400-E-17 • SPRAY BOOTH/OPEN SPRAY
_____	400-E-8 • ETHYLENE OXIDE STERILIZER	_____	400-E-17a • POWDER SPRAY BOOTH
_____	400-E-9 • EXTERNAL COMBUSTION EQUIPMENT	_____	400-E-18 • STORAGE TANK (LIQUID & GASEOUS MAT'L)
_____	400-E-10 • FOOD BROILER/FRYER	_____	400-E-19 • WAVE SOLDER MACHINE
_____	400-E-11 • FUEL DISPENSING AND STORAGE EQUIPMENT	_____	400-E-20 • ASBESTOS REMOVAL EQUIPMENT
_____	400-E-12 • GAS TURBINE	_____	NONE • ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☐ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:
TITLE OF RESPONSIBLE OFFICIAL OF FIRM: EHS SPECIALIST

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: IRENE SANTOSCOY
RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (909) 937 - 5300
DATE SIGNED: 11/7/00

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: Hugh A. Rose
TITLE OF PREPARER: CONSULTANT

TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: HUGH A. ROSE
PREPARER'S TELEPHONE NUMBER: (661) 254 - 8759
DATE SIGNED: 10/30/00

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD USE ONLY	APPLICATION/TRACKING #	PROJECT #		TYPE	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
	376916	[illegible]	11/21/00	D	___/___	$	11/09

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT 5 ENGINEER	ENF. SECT.	CHECK/MONEY ORDER AMOUNT
	11/8/1				00304399501 2763 90

2 of 4

S.C.A.Q.M.D.
ENGINEERING
'00 NOV -9 P1:11

TITLE V APPLICATION CERTIFICATION

- TO BE COMPLETED BY TITLE V FACILITIES ONLY -

Section IV - Title V Application

1. This is an application for a(n) (Check all applicable boxes and provide the requested information as appropriate):
   a. ☐ Initial Title V Permit
   b. ☐ Permit Renewal: Provide current permit expiration date: ____/____/____
   c. ☐ Administrative Permit Revision (Check all that apply)
      ☐ Change of Ownership. (Complete and attach equipment-specific Form 400-E-xx series forms)
      ☐ Change of Facility Information
      ☐ Other, Please specify: _____
   d. X Other (Complete and attach equipment specific Form 400-E-XX series form(s) to this form if your application involves permit action for new construction, change of location, non-administrative permit revision, alternative operating scenario (AOS), permit shield, streamlined permit conditions, or temporary source permit.)
2. Is this facility required to prepare a Risk Management Plan (RMP) for another agency? ☐ Yes X No

Section V - Title V Submittal Checklist

1. Enter the quantity of each type form submitted in the space provided:

_____	500-A2	_____	500-F1
_____	500-B	_____	500-F2
_____	500-C1	_____	500-F3
_____	500-C2	_____	500-F4
_____	500-D	_____	Other (specify): _____

2. Additional information referenced in this application submitted (Check **ALL** that apply):
   a. x Existing Facility Permit
   b. ☐ Preliminary Facility Permit
   c. ☐ EFB Report for Year _____
   d ☐ None
   e. ☐ Other (Specify): _____
3. Supplemental information included with this application submittal (Check **ALL** that apply):
   a. ☐ Facility Plot Plan
   b. ☐ MSDS Sheet(s)
   c. ☐ None
   d. x Other (Specify): DESCRIPTION OF PROJECT, JUSTIFICATION AND SUGGESTED MODIFIED PERMIT LANGUAGE

AQMD USE ONLY	APPLICATION TYPE	30 DAY PUBLIC NOTICE START DATE	30 DAY PUBLIC NOTICE END DATE	PUBLIC HEARING DATE	45-DAY EPA REVIEW START DATE	45-DAY EPA REVIEW END DATE
	INITIAL, RENEWAL & SIGNIFICANT					
	MINOR & DEMINIMUS					
	ESTABLISH GENERAL PERMIT					

USE THE SECTIONS BELOW FOR TITLE V INITIAL AND RENEWAL APPLICATIONS ONLY:

APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
___ ___ ___ ___ ___ ___			___ ___ ___ ___ ___ ___ / ___ ___	$	

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT $

FORM 400-A, Rev. 10/97

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:
INSPECTOR **SECTOR**
ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR
GENERAL ELECTRIC COMPANY
☐ IRS OR ☐ S. S. NUMBER N/A

BUSINESS MAILING ADDRESS
1923 EAST AVION STREET ONTARIO, CA 91763-7766

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS

TYPE OF ORGANIZATION
X Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill In): _____

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ Yes X No
AVERAGE ANNUAL GROSS RECEIPTS $130 Billion
NUMBER OF EMPLOYEES 340,000
IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED? ☐ Yes X No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? X Yes ☐ No
ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? X Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER OF OWNER
IF NO, ENTER THE LEGAL NAME OF OWNER _____

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION
~~1923 EAST AVION STREET~~ 2264 Avion
NUMBER/STREET
ONTARIO
CITY OR COMMUNITY
CA, 91761-7766
ZIP CODE

FACILITY NAME
GE ENGINE SERVICES
FACILITY ID NUMBER
061160

PRINT NAME OF CONTACT PERSON
IRENE SANTOSCOY
TITLE OF CONTACT PERSON
EHS SPECIALIST

TYPE OF BUSINESS AT THIS FACILITY
AIRCRAFT ENGINE REBUILDING AIRCRAFT ENGINE REBUILDING
PRIMARY SIC CODE FOR THIS FACILITY
3 7 2 4
NUMBER OF EMPLOYEES AT THIS FACILITY
350

CONTACT PERSON'S TELEPHONE NUMBER
(909) 937 -5000
CONTACT PERSON'S FAX NUMBER
(909) 937 - 5319
CONTACT PERSON'S E-MAIL ADDRESS
IRENE.SANTOSCOY@AE.GE.COM

Section III - Application Type

DESCRIPTION OF EQUIPMENT: SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM FOR AREA "C"
PREVIOUS PERMIT #(S): D97285 311821

APPLICATION FOR (SEE INSTRUCTIONS):
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE X CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? X Yes ☐ No

☐ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

_____ 400-E-1 • PARTICULATE MATTER (PM_{10}) CONTROL EQUIPMENT
_____ 400-E-2 • VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT
_____ 400-E-3 • SCRUBBER
_____ 400-E-4 • ABRASIVE BLASTING EQUIPMENT
_____ 400-E-6 • DEGREASER
_____ 400-E-7 • DRY CLEANING EQUIPMENT
_____ 400-E-8 • ETHYLENE OXIDE STERILIZER
_____ 400-E-9 • EXTERNAL COMBUSTION EQUIPMENT
_____ 400-E-10 • FOOD BROILER/FRYER
_____ 400-E-11 • FUEL DISPENSING AND STORAGE EQUIPMENT
_____ 400-E-12 • GAS TURBINE
_____ 400-E-13 • INTERNAL COMBUSTION EQUIPMENT
_____ 400-E-14 • OPEN PROCESS TANK
_____ 400-E-14a • OPEN PROCESS TANK; PROCESS LINE
_____ 400-E-15 • PRINTING EQUIPMENT
_____ 400-E-16 • SOLID MATERIALS STORAGE EQUIPMENT
_____ 400-E-17 • SPRAY BOOTH/OPEN SPRAY
_____ 400-E-17a • POWDER SPRAY BOOTH
_____ 400-E-18 • STORAGE TANK (LIQUID & GASEOUS MAT'L)
_____ 400-E-19 • WAVE SOLDER MACHINE
_____ 400-E-20 • ASBESTOS REMOVAL EQUIPMENT
_____ NONE • ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☐ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:
TITLE OF RESPONSIBLE OFFICIAL OF FIRM: EHS SPECIALIST

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: IRENE SANTOSCOY
RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (909) 937 - 5300
DATE SIGNED: 11/7/05

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: Hugh A. Rose
TITLE OF PREPARER: CONSULTANT

TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: HUGH A. ROSE
PREPARER'S TELEPHONE NUMBER: (661) 254 - 8759
DATE SIGNED: 10/30/00

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD USE ONLY	APPLICATION/TRACKING #	PROJECT #	TYPE	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
	376419	11/21	B C D	____/____	$	11/09/00

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT 3 ENGINEER	ENF. SECT.	CHECK/MONEY ORDER AMOUNT
	7/81				3047295 $ 276.90

3 8 4

S.C.A.Q.M.D.
ENGINEERING
'00 NOV -9 P1:11

TITLE V APPLICATION CERTIFICATION

- TO BE COMPLETED BY TITLE V FACILITIES ONLY -

Section IV - Title V Application

1. This is an application for a(n) (Check all applicable boxes and provide the requested information as appropriate):
   a. ☐ Initial Title V Permit
   b. ☐ Permit Renewal: Provide current permit expiration date: ____/____/____
   c. ☐ Administrative Permit Revision (Check all that apply)
      ☐ Change of Ownership. (Complete and attach equipment-specific Form 400-E-xx series forms)
      ☐ Change of Facility Information
      ☐ Other, Please specify: _____
   d. X Other (Complete and attach equipment specific Form 400-E-XX series form(s) to this form if your application involves permit action for new construction, change of location, non-administrative permit revision, alternative operating scenario (AOS), permit shield, streamlined permit conditions, or temporary source permit.)
2. Is this facility required to prepare a Risk Management Plan (RMP) for another agency? ☐ Yes X No

Section V - Title V Submittal Checklist

1. Enter the quantity of each type form submitted in the space provided:

_____	500-A2	_____	500-F1
_____	500-B	_____	500-F2
_____	500-C1	_____	500-F3
_____	500-C2	_____	500-F4
_____	500-D	_____	Other (specify): _____

2. Additional information referenced in this application submitted (Check **ALL** that apply):
   a. x Existing Facility Permit
   b. ☐ Preliminary Facility Permit
   c. ☐ EFB Report for Year _____
   d ☐ None
   e. ☐ Other (Specify): _____
3. Supplemental information included with this application submittal (Check **ALL** that apply):
   a. ☐ Facility Plot Plan
   b. ☐ MSDS Sheet(s)
   c. ☐ None
   d. x Other (Specify): DESCRIPTION OF PROJECT, JUSTIFICATION AND SUGGESTED MODIFIED PERMIT LANGUAGE

AQMD USE ONLY	APPLICATION TYPE	30 DAY PUBLIC NOTICE START DATE	30 DAY PUBLIC NOTICE END DATE	PUBLIC HEARING DATE	45-DAY EPA REVIEW START DATE	45-DAY EPA REVIEW END DATE
	INITIAL, RENEWAL & SIGNIFICANT					
	MINOR & DEMINIMUS					
	ESTABLISH GENERAL PERMIT					

USE THE SECTIONS BELOW FOR TITLE V INITIAL AND RENEWAL APPLICATIONS ONLY:

APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
____ ____ ____ ____ ____ ____			____ ____ ____ ____ ____ ____ / ____ ____	$	

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT $

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:
INSPECTOR **SECTOR**
ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR
GENERAL ELECTRIC COMPANY
☐ IRS OR ☐ S. S. NUMBER N/A

BUSINESS MAILING ADDRESS
1923 EAST AVION STREET ONTARIO, CA 91763-7766

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS

TYPE OF ORGANIZATION
X Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ Yes X No
AVERAGE ANNUAL GROSS RECEIPTS $130 Billion
NUMBER OF EMPLOYEES 340,000
IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED? ☐ Yes X No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? X Yes ☐ No
ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? X Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER OF OWNER
IF NO, ENTER THE LEGAL NAME OF OWNER _____

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION
~~1923 EAST AVION STREET~~ 3264 Union
NUMBER/STREET
ONTARIO CA, 91761-7766
CITY OR COMMUNITY ZIP CODE

FACILITY NAME
GE ENGINE SERVICES
FACILITY ID NUMBER
061160

PRINT NAME OF CONTACT PERSON
IRENE SANTOSCOY
TITLE OF CONTACT PERSON
EHS SPECIALIST

TYPE OF BUSINESS AT THIS FACILITY
AIRCRAFT ENGINE REBUILDING AIRCRAFT ENGINE REBUILDING
PRIMARY SIC CODE FOR THIS FACILITY _3_ _7_ _2_ _4_
NUMBER OF EMPLOYEES AT THIS FACILITY 350

CONTACT PERSON'S TELEPHONE NUMBER (909) 937 -5000
CONTACT PERSON'S FAX NUMBER (909) 937 - 5319
CONTACT PERSON'S E-MAIL ADDRESS IRENE.SANTOSCOY@AE.GE.COM

Section III - Application Type

DESCRIPTION OF EQUIPMENT: SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM FOR AREA "J" PREVIOUS PERMIT #(S): D97286 3 of 3

APPLICATION FOR (SEE INSTRUCTIONS):
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE X CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? X Yes ☐ No

☐ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

_____ 400-E-1 • PARTICULATE MATTER (PM_{10}) CONTROL EQUIPMENT
_____ 400-E-2 • VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT
_____ 400-E-3 • SCRUBBER
_____ 400-E-4 • ABRASIVE BLASTING EQUIPMENT
_____ 400-E-6 • DEGREASER
_____ 400-E-7 • DRY CLEANING EQUIPMENT
_____ 400-E-8 • ETHYLENE OXIDE STERILIZER
_____ 400-E-9 • EXTERNAL COMBUSTION EQUIPMENT
_____ 400-E-10 • FOOD BROILER/FRYER
_____ 400-E-11 • FUEL DISPENSING AND STORAGE EQUIPMENT
_____ 400-E-12 • GAS TURBINE
_____ 400-E-13 • INTERNAL COMBUSTION EQUIPMENT
_____ 400-E-14 • OPEN PROCESS TANK
_____ 400-E-14a • OPEN PROCESS TANK; PROCESS LINE
_____ 400-E-15 • PRINTING EQUIPMENT
_____ 400-E-16 • SOLID MATERIALS STORAGE EQUIPMENT
_____ 400-E-17 • SPRAY BOOTH/OPEN SPRAY
_____ 400-E-17a • POWDER SPRAY BOOTH
_____ 400-E-18 • STORAGE TANK (LIQUID & GASEOUS MAT'L)
_____ 400-E-19 • WAVE SOLDER MACHINE
_____ 400-E-20 • ASBESTOS REMOVAL EQUIPMENT
_____ NONE • ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☐ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: TITLE OF RESPONSIBLE OFFICIAL OF FIRM: EHS SPECIALIST
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: IRENE SANTOSCOY
RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER (909) 937 - 5300
DATE SIGNED: 11/7/02

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: Hugh A. Rose
TITLE OF PREPARER: CONSULTANT
TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: HUGH A. ROSE
PREPARER'S TELEPHONE NUMBER (661) 254 - 8759
DATE SIGNED: 10/30/02

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD USE ONLY	APPLICATION/TRACKING # 376978	PROJECT # 1100	TYPE B C D	EQUIPMENT CATEGORY CODE: ____/___	FEE SCHEDULE: $	VALIDATION 11/09/02
ENG. A R DATE	ENG. A B DATE 7/81	CLASS I III IV	ASSIGNMENT UNIT 5 ENGINEER	ENF. SECT.	CHECK/MONEY ORDER AMOUNT *003048295* 9263.50	

494

S.C.A.Q.M.D.
ENGINEERING

'00 NOV -9 P1:11

TITLE V APPLICATION CERTIFICATION

- TO BE COMPLETED BY TITLE V FACILITIES ONLY -

Section IV - Title V Application

1. This is an application for a(n) (Check all applicable boxes and provide the requested information as appropriate):
   a. ☐ Initial Title V Permit
   b. ☐ Permit Renewal: Provide current permit expiration date: ____/____/____
   c. ☐ Administrative Permit Revision (Check all that apply)
      ☐ Change of Ownership. (Complete and attach equipment-specific Form 400-E-xx series forms)
      ☐ Change of Facility Information
      ☐ Other, Please specify: _____
   d. X Other (Complete and attach equipment specific Form 400-E-XX series form(s) to this form if your application involves permit action for new construction, change of location, non-administrative permit revision, alternative operating scenario (AOS), permit shield, streamlined permit conditions, or temporary source permit.)
2. Is this facility required to prepare a Risk Management Plan (RMP) for another agency? ☐ Yes X No

Section V - Title V Submittal Checklist

1. Enter the quantity of each type form submitted in the space provided:

_____	500-A2	_____	500-F1
_____	500-B	_____	500-F2
_____	500-C1	_____	500-F3
_____	500-C2	_____	500-F4
_____	500-D	_____	Other (specify): _____

2. Additional information referenced in this application submitted (Check **ALL** that apply):
   a. x Existing Facility Permit
   b. ☐ Preliminary Facility Permit
   c. ☐ EFB Report for Year _____
   d ☐ None
   e. ☐ Other (Specify): _____
3. Supplemental information included with this application submittal (Check **ALL** that apply):
   a. ☐ Facility Plot Plan
   b. ☐ MSDS Sheet(s)
   c. ☐ None
   d. x Other (Specify): DESCRIPTION OF PROJECT, JUSTIFICATION AND SUGGESTED MODIFIED PERMIT LANGUAGE

AQMD USE ONLY	APPLICATION TYPE	30 DAY PUBLIC NOTICE START DATE	30 DAY PUBLIC NOTICE END DATE	PUBLIC HEARING DATE	45-DAY EPA REVIEW START DATE	45-DAY EPA REVIEW END DATE
	INITIAL, RENEWAL & SIGNIFICANT					
	MINOR & DEMINIMUS					
	ESTABLISH GENERAL PERMIT					

USE THE SECTIONS BELOW FOR TITLE V INITIAL AND RENEWAL APPLICATIONS ONLY:

APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
___ ___ ___ ___ ___ ___			___ ___ ___ / ___	$	

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT $

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

MB

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND
FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER
FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION
SEE REVERSE SIDE
PLEASE TYPE OR PRINT

COLTON

SCAQMD USE: SEC | TS | ID NUMBER 141226

1A. PERMIT TO BE ISSUED TO:
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B.
General Electric Company 61160
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS:
1923 E. Avion Street, Ontario, California
NUMBER | STREET | CITY OR COMMUNITY | STATE

2B. 91761
ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"):
2264 Avion Place, Ontario, California 91761
NUMBER | STREET | CITY OR COMMUNITY | ZIP

3B. E. Avion Street
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIALS & NAME:)
C.A. Paulo

4B. CONTACT PHONE NO. (AREA & NO.):
(714 986-6731

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:
Aircraft Engine Turbine Test Cell

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
General Electric Company — NAME
10555B — PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT:
- NEW CONSTRUCTION ☐
- ALTERATION ☒
- CHANGE OF LOCATION ☐
- REINSTATE NON-PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☐
- CHANGE OF CONDITIONS ☐

8. TYPE OF ORGANIZATION:
- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ 2.9 million
AIR POLLUTION CONTROL EQUIPMENT $

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? 2/1/87
ESTIMATED COMPLETION DATE? 2/1/88

11. GENERAL NATURE OF BUSINESS:
Aircraft engine overhaul & repair

12. PRINCIPAL PRODUCT
Aircraft Engine Overhaul

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT:
HOURS/DAY 24
DAYS/WEEK 5
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☒

15a. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
S H Shoff

17. OFFICIAL TITLE OF SIGNER:
Manager, Facilities Engineering

18. TYPED OR PRINTED NAME OF SIGNER:
S.H.(Steve) Shoff

19. PHONE NO.
(714) 986-6731

20. DATE
May 16, 1986

SCAQMD USE

SIC NO.
EQUIP. CAT. NO.: 0 1 4 2 0 0 1 _ _
SCH/STEP: 8A
APPLICATION NO.: 145786
PERMIT NO.
TYPE: B OR C
WORK UNITS: A/C P/O
ASSIGNMENT: 9 UNIT ENGR
CLASS: 1 III
VALIDATION: 6-3-86
FILING FEE: $ 250-
CHECK OR MONEY ORDER NO.: 961582 CK

Form 400A - REVISED 8-84 PRIOR VERSIONS NOT VALID

(Continued on reverse)

C-1

SEE REVERSE FOR FEES REQUIRED UPON FILING

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:
INSPECTOR SECTOR
ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR: GE Engine Services, Inc.
☒ IRS OR ☐ S. S. NUMBER: 3 1 1 4 6 6 3 6 0

PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS): GE Engine Services, Inc.

BUSINESS MAILING ADDRESS: 1923 East Avion Street, Ontario, CA 91761

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS: (same as above)

TYPE OF ORGANIZATION
☒ Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ Yes ☒ No
AVERAGE ANNUAL GROSS RECEIPTS $
NUMBER OF EMPLOYEES 30
IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED? ☐ Yes ☒ No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? ☐ Yes ☐ No

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER
IF NO, ENTER THE LEGAL NAME OF OWNER

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION: 2264 Avion Drive (NUMBER/STREET)
Ontario (CITY OR COMMUNITY) CA 91761 (ZIP CODE)
FACILITY NAME: GE Engine Services, Inc. / West Coast Operations
FACILITY ID NUMBER: 0 6 1 1 6 0

PRINT NAME OF CONTACT PERSON: Hani Zarifa
TITLE OF CONTACT PERSON: Sr. Environmental Engineer
TYPE OF BUSINESS AT THIS FACILITY: Turbine Engine Testing
PRIMARY SIC CODE FOR THIS FACILITY: 3 7 2 4
NUMBER OF EMPLOYEES AT THIS FACILITY: 30
CONTACT PERSON'S TELEPHONE NUMBER: (909) 937 5274
CONTACT PERSON'S FAX NUMBER: (909) 937 5319
CONTACT PERSON'S E-MAIL ADDRESS: Hani.Zarifa@ae.ge.com

Section III - Application Type

APPLICATION FOR (SEE INSTRUCTIONS):
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ Yes ☐ No

☐ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

___	400-E-1 • PARTICULATE MATTER (PM-10) CONTROL EQUIPMENT	___	400-E-13 • INTERNAL COMBUSTION EQUIPMENT
___	400-E-2 • VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT	___	400-E-14 • OPEN PROCESS TANK
___	400-E-3 • SCRUBBER	___	400-E-14a • OPEN PROCESS TANK; PROCESS LINE
___	400-E-4 • ABRASIVE BLASTING EQUIPMENT	___	400-E-15 • PRINTING EQUIPMENT
___	400-E-6 • DEGREASER	___	400-E-16 • SOLID MATERIALS STORAGE EQUIPMENT
___	400-E-7 • DRY CLEANING EQUIPMENT	___	400-E-17 • SPRAY BOOTH/OPEN SPRAY
___	400-E-8 • ETHYLENE OXIDE STERILIZER	___	400-E-17a • POWDER SPRAY BOOTH
___	400-E-9 • EXTERNAL COMBUSTION EQUIPMENT	___	400-E-18 • STORAGE TANK (LIQUID & GASEOUS MATERIAL)
___	400-E-10 • FOOD BROILER/FRYER	___	400-E-19 • WAVE SOLDER MACHINE
___	400-E-11 • FUEL DISPENSING AND STORAGE EQUIPMENT	___	400-E-20 • ASBESTOS REMOVAL EQUIPMENT
___	400-E-12 • GAS TURBINE	___	NONE • ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☒ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: Robert H. Rich
TITLE OF RESPONSIBLE OFFICIAL OF FIRM: Service General Manager
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: Robert H. Rich
RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (909) 937 5302
DATE SIGNED: 3/23/98

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: Hani Zarifa
TITLE OF RESPONSIBLE OFFICIAL OF FIRM: Sr. Environmental Engineer
TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: Hani Zarifa
PREPARER'S TELEPHONE NUMBER: (909) 937 5274
DATE SIGNED: 3/23/98

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD USE ONLY	APPLICATION/TRACKING #	TYPE	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE: C	VALIDATION
	341157	(B) C D	014700	$ Change of Condition	ND 03/24/98

ENG. A R DATE	ENG. (A) R DATE 5/22/98	CLASS I (II) IV	ASSIGNMENT UNIT 176 ENGINEER HN	ENF. SECT.	CHECK/MONEY ORDER AMOUNT
					#0030274700 $ 2848.10

FORM 400-A, Rev. 10/97

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO
GENERAL ELECTRIC COMPANY
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER: 61160

1B
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 East Avion Street | Ontario | CA
NUMBER STREET | CITY OR COMMUNITY | STATE

2B
91761
ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER SAME)
2264 East Avion Place | Ontario, CA 91761
NUMBER STREET | CITY OR COMMUNITY ZIP

3B
Vineyard Ave & Mission Blvd
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
B P O'Leary

4B CONTACT PHONE NO (AREA & NO.)
(714) 391-5424

5 APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
JET-A FUEL OIL STORAGE TANK NO 2

6 IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT STATE NAME OF CORPORATION COMPANY OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER

NAME | PREVIOUS PERMIT NUMBER

7 PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- REINSTATE NON PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☒
- CHANGE OF CONDITIONS ☐

8 TYPE OF ORGANIZATION
- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9 ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ _____ AIR POLLUTION CONTROL EQUIPMENT $ _____

10 FOR THE NEW CONSTRUCTION ALTERATION TRANSFER OF OWNERSHIP OR LOCATION WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

11 GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance

12 PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13 DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☐
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14 NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAYS/WEEK 7
WEEKS/YEAR 52

15 HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☒ NO ☐

15A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES? YES ☒ NO ☐

16 SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
Brian P O'Leary

17 OFFICIAL TITLE OF SIGNER
Mgr, Environmental Quality & Safety(acting

18 TYPED OR PRINTED NAME OF SIGNER
BRIAN P O'LEARY

19 PHONE NO
714-391-5424

20 DATE
6/2/89

SCAQMD USE

SIC NO		EQUIP CAT NO 300900		SCH/STP 7A	JUN 2 1989
APPLICATION NO 201407	PERMIT NO	TYPE (B) OR C	WORK UNITS A/C P/O	ASSIGNMENT UNIT 13 ENGR	CLASS I (III) IV
VALIDATION JUN 2 1989		FILING FEE 375.00/375.00		CHECK OR MONEY ORDER NUMBER 740436-37 CM 06/02/89	

Form 400A PRIOR VERSIONS NOT VALID (Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

89399 02

307

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Filing Fees

Except as noted following, a $250 filing fee must accompany each application for Permit to Construct/Operate

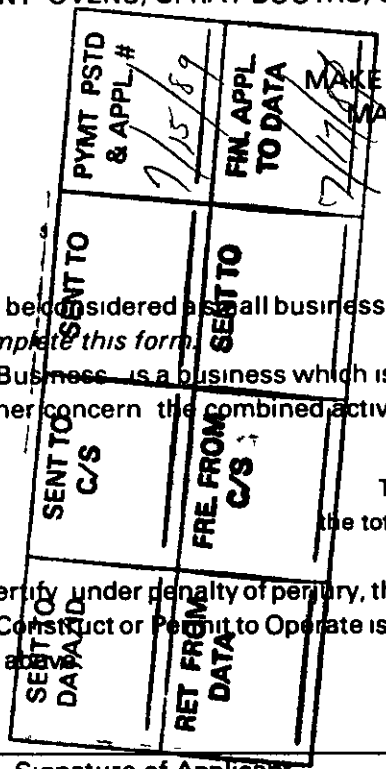
1 For small businesses the filing fee is $160 The small business declaration form below must be completed in order to be considered a small business

2 Each application for change of ownership requires a $110 transfer fee

3 All applicants including state, local governmental and public districts, must pay a permit evaluation fee Such fees are in addition to filing fees and change of ownership fees

SEE APPLICATION INSTRUCTIONS FORM 400-B FOR ADDITIONAL INSTRUCTIONS
Call (818) 572-6212 for assistance
SUPPLEMENTAL DATA FORMS REQUIRED

Special supplemental data forms must be completed for BOILERS, LIQUID HEATERS, DEGREASERS, DRY CLEANING EQUIPMENT OVENS, SPRAY BOOTHS, STORAGE TANKS,ABRASIVE BLASTING OPERATION and PRINTING and DRYING SYSTEM



MAKE CHECK PAYABLE TO SOUTH COAST AQMD
MAIL APPLICATION TO SOUTH COAST AQMD
9150 Flair Drive
El Monte, CA 91731

SMALL BUSINESS DECLARATION

In order to be considered a small business as specified in Regulation XIII, this form must be completed *If not a small business do not complete this form.*

A Small Business is a business which is independently owned and operated and meets the following criteria, or if affiliated with another concern the combined activities of both concerns shall meet these criteria

The number of employees is 10 or less, and
the total gross annual receipts are $500 000 00 or less

I hereby certify under penalty of perjury, that the business enterprise containing the emission source(s) for which an SCAQMD Permit to Construct or Permit to Operate is being applied herein qualifies as a SMALL BUSINESS based on compliance with the definition above

Signature of Applicant _____ Date _____ Telephone Number _____

Printed or Typed Signature _____ Company Name _____

89 JUN -2 A11 31

State law requires that we inform you about the Office of Permit Assistance The Office of Permit Assistance is a state agency which is available to assist you and provide information relating to the permit approval process at the state and local level Call (916)322 4245 for information

89399 01

Revised 1/89

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 FLAIR DR EL MONTE, CA 91731

FUEL OIL STORAGE TANK INFORMATION TO ACCOMPANY PERMIT APPLICATION FORM 400-A
(SEE REVERSE SIDE FOR APPLICATION INSTRUCTIONS)

THIS FORM IS LIMITED TO EQUIPMENT WHICH WAS EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219 PRIOR TO JUNE 3 1988

1 BUSINESS LICENSE NAME

GENERAL ELECTRIC COMPANY

2 TANK LOCATION 2264 East Avion Place, Ontario

TANK IDENTIFICATION (NUMBER OR NAME) Tank No 2

3 TANK SHAPE [X]CYLINDRICAL [ ]SPHERICAL [ ]OTHER _____
DIMENSIONS HEIGHT 24 (FT) WIDTH _____ (FT) LENGTH _____ (FT) DIAMETER 11 (FT)
PAINT [X]CHALKING WHITE [ ]LIGHT GREY OR BLUE [ ]ALUMINUM [ ]DARK COLOR OR NO PAINT

4 TYPE OF TANK (CHECK ALL APPLICABLE) [x]FIXED ROOF [ ]FLOATING ROOF [ ]INTERNALLY HEATED [ ]INSULATED [ ]UNDERGROUND [ ]OTHER _____

5 IF TANK IS TO HAVE A FLOATING ROOF SUPPLY THE FOLLOWING INFORMATION
TYPE OF ROOF [ ]DOUBLE DECK [ ]PONTOON [ ]OTHER _____
TYPE OF SEAL [ ]SINGLE [ ]DOUBLE [ ]OTHER _____
TYPE OF SHELL CONSTRUCTION [ ]RIVETED [ ]WELDED [ ]OTHER _____

6 VENT VALVE DATA (INDICATE TYPE NUMBER SETTINGS AND VAPOR DISPOSAL)

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION	1	0 5 oz	0 5 oz	X		
PRESSURE						
VACUUM						
OPEN						

7 FUEL INFORMATION TYPE OF FUEL OIL Jet A
VAPOR PRESSURE 0039 [X](PSIA) [ ](REID) AT 60 (°F) INITIAL BOILING POINT 315 (°F)
SPECIFIC GRAVITY 0 81 OR _____ °API FLASH POINT 100 (°F)
STORAGE TEMPERATURE MAXIMUM 85 (°F) MINIMUM 45 (°F)

8 OPERATING DATA
MAXIMUM FILLING RATE 18,000 (GAL/HR) AVERAGE THROUGHPUT 500 (GAL/DAY)
TANK TURNOVERS PER YEAR 35 CAPACITY 16,500 (GAL)
AVERAGE OUTAGE (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 4 5 (FT)

THE ABOVE INFORMATION IS SUBMITTED TO DESCRIBE THE USE OF THE EQUIPMENT FOR WHICH APPLICATION FOR PERMIT IS BEING MADE ON THE ACCOMPANYING FORM 400-A

SIGNATURE OF RESPONSIBLE MEMBER OF FIRM Brian P O'Leary DATE 6/2/89

TYPE OR PRINT NAME AND OFFICIAL TITLE OF PERSON SIGNING THIS DATA FORM

NAME BRIAN P O'LEARY

TITLE MGR , ENVIRONMENTAL QUALITY & SAFETY (acting)

400-219(m)(2)-4

APPLICATION INSTRUCTIONS
FOR
FUEL OIL STORAGE TANKS

FILL OUT REVERSE SIDE AND RETURN WITH YOUR APPLICATION (FORM 400-A)

NOTE IF THE FUEL OIL TANK IS USED FOR FUELING VEHICLES, DO NOT USE THIS FORM OR APPLICATON FORM 400-A USE APPLICATION FORM 450

With each application for permit to operate any type of fuel oil storage tank, the following data specifications, plans and drawings must be submitted in duplicate

1 EQUIPMENT LOCATION DRAWING The drawing submitted must be to scale (suggested scale 1 inch = 100 feet, accuracy of measurements to the nearest 5 feet will be satisfactory) and must show at least the location and identification of the fuel oil storage tank on the property

2 DRAWINGS AND SPECIFICATIONS OF FUEL OIL STORAGE TANK. (Item 3)

Structural design calculations and details are not required When standard commercial equipment is to be installed, the manufacturer's catalog describing the equipment may be submitted by the applicant **ADDITIONAL INFORMATION MAY BE REQUIRED**

Further information or clarification concerning permits can be obtained by writing or calling Permit Application Receiving at (818)572-6212

PYMT PSTD & APPL # 2/15/89
FIN APPL TO DATA 7/17/89
SENT TO
SENT TO C/S
SENT FROM C/S
SENT TO DATA/ID

FILING FEES

NOTE This section supercedes the filing fees as described in form 400A for equipment which was exempt from a written permit pursuant to Rule 219 prior to June 3, 1988

A If the equipment is installed prior to June 3, 1988 and the application is filed before June 3, 1989, the application filing fee is $75

B If the equipment is installed prior to June 3, 1988, and the application is filed on or after June 3, 1989, or if the equipment is installed on or after June 3, 1988, the application filing fee is $250 except as noted below

i For small business the filing fee is $160
ii Each application for change of ownership requires a $110 transfer fee
iii All applicants, including state, local governmental and public districts, must pay a permit evaluation fee Such fees are in addition to filing fees and change of ownership fees

2/89

89 JUN -2 PM 3:31

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A PERMIT TO BE ISSUED TO
GENERAL ELECTRIC COMPANY
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER: 61160

1B
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 East Avion Street | Ontario | CA
NUMBER STREET | CITY OR COMMUNITY | STATE

2B
91761
ZIP CODE

3A EQUIPMENT LOCATION (IF SAME ENTER SAME)
2264 East Avion Place | Ontario, CA 91761
NUMBER STREET | CITY OR COMMUNITY | ZIP

3B
Vineyard Ave & Mission Blvd
NEAREST INTERSECTING STREET

4A CONTACT PERSON (INITIAL & NAME)
B P O'Leary

4B CONTACT PHONE NO (AREA & NO)
(714) 391-5424

5 APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
JET-A FUEL OIL STORAGE TANK NO 1

6 IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT STATE NAME OF CORPORATION COMPANY OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER

NAME | PREVIOUS PERMIT NUMBER

7 PERMIT APPLICATION FOR EQUIPMENT

- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- REINSTATE NON PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☒
- CHANGE OF CONDITIONS ☐

8 TYPE OF ORGANIZATION

- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9 ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ _____ AIR POLLUTION CONTROL EQUIPMENT $ _____

10 FOR THE NEW CONSTRUCTION ALTERATION TRANSFER OF OWNERSHIP OR LOCATION WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

11 GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance

12 PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13 DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☐
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14 NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAYS/WEEK 7
WEEKS/YEAR 52

15 HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☐

16A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16 SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
Brian P O'Leary

17 OFFICIAL TITLE OF SIGNER
Mgr., Environmental Quality & Safety (acting

18 TYPED OR PRINTED NAME OF SIGNER
BRIAN P O'LEARY

19 PHONE NO
714-391-5424

20 DATE
6/2/89

SCAQMD USE

SIC NO | EQUIP CAT NO 300-400 | SCH/STP 1-2A | JUN 22 1989

APPLICATION NO 201405 | PERMIT NO | TYPE (B OR C) | WORK UNITS A/C P/O OT THC2 | ASSIGNMENT UNIT 13 ENGR | CLASS I (III) IV

VALIDATION JUN 2 1989 | FILING FEE 375.00 375.00 CAS | CHECK OR MONEY ORDER NUMBER 740437 / 740436

06/02/89

Form 400A PRIOR VERSIONS NOT VALID

(Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

89399 02

CAS 07/14/89

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Filing Fees

Except as noted following, a $250 filing fee must accompany each application for Permit to Construct/Operate

1 For small businesses the filing fee is $160 The small business declaration form below must be completed in order to be considered a small business

2 Each application for change of ownership requires a $110 transfer fee

3 All applicants, including state local governmental and public districts, must pay a permit evaluation fee Such fees are in addition to filing fees and change of ownership fees

SEE APPLICATION INSTRUCTIONS FORM 400-B FOR ADDITIONAL INSTRUCTIONS
Call (818) 572-6212 for assistance
SUPPLEMENTAL DATA FORMS REQUIRED

Special supplemental data forms must be completed for BOILERS, LIQUID HEATERS DEGREASERS, DRY CLEANING EQUIPMENT OVENS SPRAY BOOTHS, STORAGE TANKS ABRASIVE BLASTING OPERATION and PRINTING and DRYING SYSTEM

MAKE CHECK PAYABLE TO SOUTH COAST AQMD
MAIL APPLICATION TO SOUTH COAST AQMD
9150 Flair Drive
El Monte CA 91731

SMALL BUSINESS DECLARATION

In order to be considered a small business as specified in Regulation XIII, this form must be completed *If not a small business do not complete this form*

A Small Business is a business which is independently owned and operated and meets the following criteria, or if affiliated with another concern the combined activities of both concerns shall meet these criteria

The number of employees is 10 or less and
the total gross annual receipts are $500 000 00 or less

I hereby certify, under penalty of perjury, that the business enterprise containing the emission source(s) for which an SCAQMD Permit to Construct or Permit to Operate is being applied herein qualifies as a SMALL BUSINESS based on compliance with the definition above

SENT TO DATA/ID	SENT TO C/S	SENT TO	PYMT. P & APP 7/15/89
Signature of Applicant			Date
REC. FROM DATA	REC. FROM C/S	SENT TO	FIN TO 7/17/89
Printed or Typed Signature			Company Name

Telephone Number

State law requires that we inform you about the Office of Permit Assistance. The Office of Permit Assistance is a state agency which is available to assist you and provide information relating to the permit approval process at the state and local level Call (916)322 4245 for information

Oct 85

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 FLAIR DR EL MONTE, CA 91731

FUEL OIL STORAGE TANK INFORMATION TO ACCOMPANY PERMIT APPLICATION FORM 400-A
(SEE REVERSE SIDE FOR APPLICATION INSTRUCTIONS)

THIS FORM IS LIMITED TO EQUIPMENT WHICH WAS EXEMPT
FROM WRITTEN PERMIT PURSUANT TO RULE 219 PRIOR TO JUNE 3 1988

1 BUSINESS LICENSE NAME

GENERAL ELECTRIC COMPANY

2 TANK LOCATION 2264 East Avion Place, Ontario

TANK IDENTIFICATION (NUMBER OR NAME) Tank No 1

3 TANK SHAPE [X]CYLINDRICAL [ ]SPHERICAL [ ]OTHER _____
DIMENSIONS HEIGHT 24 (FT) WIDTH _____ (FT) LENGTH _____ (FT) DIAMETER 11 (FT)
PAINT [X]CHALKING WHITE [ ]LIGHT GREY OR BLUE [ ]ALUMINUM [ ]DARK COLOR OR NO PAINT

4 TYPE OF TANK [x]FIXED ROOF [ ]INTERNALLY HEATED [ ]UNDERGROUND
(CHECK ALL APPLICABLE) [ ]FLOATING ROOF [ ]INSULATED [ ]OTHER _____

5 IF TANK IS TO HAVE A FLOATING ROOF SUPPLY THE FOLLOWING INFORMATION
TYPE OF ROOF [ ]DOUBLE DECK [ ]PONTOON [ ]OTHER _____
TYPE OF SEAL [ ]SINGLE [ ]DOUBLE [ ]OTHER _____
TYPE OF SHELL CONSTRUCTION [ ]RIVETED [ ]WELDED [ ]OTHER _____

6 VENT VALVE DATA (INDICATE TYPE NUMBER SETTINGS AND VAPOR DISPOSAL)

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION	1	0 5 oz	0 5 oz	X		
PRESSURE						
VACUUM						
OPEN						

7 FUEL INFORMATION TYPE OF FUEL OIL Jet A
VAPOR PRESSURE 0039 [X](PSIA) [ ](REID) AT 60 (°F) INITIAL BOILING POINT 315 (°F)
SPECIFIC GRAVITY 0 81 OR _____ °API FLASH POINT 100 (°F)
STORAGE TEMPERATURE MAXIMUM 85 (°F) MINIMUM 45 (°F)

8 OPERATING DATA
MAXIMUM FILLING RATE 18,000 (GAL/HR) AVERAGE THROUGHPUT 500 (GAL/DAY)
TANK TURNOVERS PER YEAR 35 CAPACITY 16,500 (GAL)
AVERAGE OUTAGE (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 4 5 (FT)

THE ABOVE INFORMATION IS SUBMITTED TO DESCRIBE THE USE OF THE EQUIPMENT
FOR WHICH APPLICATION FOR PERMIT IS BEING MADE ON THE ACCOMPANYING FORM 400-A

SIGNATURE OF RESPONSIBLE MEMBER OF FIRM Brian P O'Leary DATE 6/2/89

TYPE OR PRINT NAME AND OFFICIAL TITLE OF PERSON SIGNING THIS DATA FORM

NAME BRIAN P O'LEARY

TITLE MGR , ENVIRONMENTAL QUALITY & SAFETY (acting)

400-219(m)(2)-4

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO
GENERAL ELECTRIC COMPANY
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER: 61160

1B
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 East Avion Street (NUMBER STREET) | Ontario (CITY OR COMMUNITY) | CA (STATE)

2B
91761 (ZIP CODE)

3A. EQUIPMENT LOCATION (IF SAME ENTER SAME)
2264 East Avion Place (NUMBER STREET) | Ontario, CA 91761 (CITY OR COMMUNITY ZIP)

3B
Vineyard Ave & Mission Blvd (NEAREST INTERSECTING STREET)

4A. CONTACT PERSON (INITIAL & NAME)
B P O'Leary

4B CONTACT PHONE NO (AREA & NO)
(714) 391-5424

5 APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
JET-A FUEL OIL STORAGE TANK NO. 3

6 IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT STATE NAME OF CORPORATION COMPANY OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER

NAME | PREVIOUS PERMIT NUMBER

7 PERMIT APPLICATION FOR EQUIPMENT

- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- REINSTATE NON PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☒
- CHANGE OF CONDITIONS ☐

8 TYPE OF ORGANIZATION

- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9 ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ _____ AIR POLLUTION CONTROL EQUIPMENT $ _____

10 FOR THE NEW CONSTRUCTION ALTERATION TRANSFER OF OWNERSHIP OR LOCATION WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

11 GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13 DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☐
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14 NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAYS/WEEK 7
WEEKS/YEAR 52

15 HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☐

15A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16 SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
Brian P O'Leary

17 OFFICIAL TITLE OF SIGNER
Mgr , Environmental Quality & Safety(acting

18 TYPED OR PRINTED NAME OF SIGNER
BRIAN P O'LEARY

19 PHONE NO
714-391-5424

20 DATE
6/2/89

JUN 22 1989

SCAQMD USE

SIC NO | EQUIP CAT NO 300 900 1 | SCH/STP 7A

APPLICATION NO 201406 | PERMIT NO | TYPE (B) OR C | WORK UNITS A/C P/O | ASSIGNMENT UNIT 13 ENGR | CLASS I (III) IV

VALIDATION JUN 2 1989 | FILING FEE $325.00 3506 | CHECK OR MONEY ORDER NUMBER 740436-37 6/23/89

Form 400A PRIOR VERSIONS NOT VALID

(Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

88399 02

287

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Filing Fees

Except as noted following a $250 filing fee must accompany each application for Permit to Construct/Operate

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Call (818) 572-6212 for assistance
SUPPLEMENTAL DATA FORMS REQUIRED

Special supplemental data forms must be completed for BOILERS LIQUID HEATERS DEGREASERS, DRY CLEANING EQUIPMENT OVENS SPRAY BOOTHS STORAGE TANKS,ABRASIVE BLASTING OPERATION and PRINTING and DRYING SYSTEM

PYMT PSTD 7/15/89 APPL # FIN APPL TO DATA 2/17/89
SENT TO
SENT TO C/S
FRE. FROM C/S
SENT TO DATA

MAKE CHECK PAYABLE TO SOUTH COAST AQMD
MAIL APPLICATION TO SOUTH COAST AQMD
9150 Flair Drive
El Monte, CA 91731

SMALL BUSINESS DECLARATION

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The number of employees is 10 or less and
the total gross annual receipts are $500 000 00 or less

I hereby certify, under penalty of perjury, that the business enterprise containing the emission source(s) for which an SCAQMD Permit to Construct or Permit to Operate is being applied herein qualifies as a SMALL BUSINESS based on compliance with the definition above

Signature of Applicant _____ Date _____ Telephone Number _____

Printed or Typed Signature _____ Company Name _____

89 JUN -2 AM 11:31

State law requires that we inform you about the Office of Permit Assistance The Office of Permit Assistance is a state agency which is available to assist you and provide information relating to the permit approval process at the state and local level Call (916)322-4245 for information

89399-01

Revised 1/89

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 FLAIR DR EL MONTE CA 91731

FUEL OIL STORAGE TANK INFORMATION TO ACCOMPANY PERMIT APPLICATION FORM 400-A
(SEE REVERSE SIDE FOR APPLICATION INSTRUCTIONS)

THIS FORM IS LIMITED TO EQUIPMENT WHICH WAS EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219 PRIOR TO JUNE 3, 1988

1 BUSINESS LICENSE NAME

GENERAL ELECTRIC COMPANY

2 TANK LOCATION 2264 East Avion Place, Ontario

TANK IDENTIFICATION (NUMBER OR NAME) Tank No 3

3 TANK SHAPE [X]CYLINDRICAL [ ]SPHERICAL [ ]OTHER _____
DIMENSIONS HEIGHT 24 (FT) WIDTH _____ (FT) LENGTH _____ (FT) DIAMETER 11 (FT)
PAINT [X]CHALKING WHITE [ ]LIGHT GREY OR BLUE [ ]ALUMINUM [ ]DARK COLOR OR NO PAINT

4 TYPE OF TANK [x]FIXED ROOF [ ]INTERNALLY HEATED [ ]UNDERGROUND
(CHECK ALL APPLICABLE) [ ]FLOATING ROOF [ ]INSULATED [ ]OTHER _____

5 IF TANK IS TO HAVE A FLOATING ROOF SUPPLY THE FOLLOWING INFORMATION
TYPE OF ROOF [ ]DOUBLE DECK [ ]PONTOON [ ]OTHER _____
TYPE OF SEAL [ ]SINGLE [ ]DOUBLE [ ]OTHER _____
TYPE OF SHELL CONSTRUCTION [ ]RIVETED [ ]WELDED [ ]OTHER _____

6 VENT VALVE DATA (INDICATE TYPE NUMBER SETTINGS AND VAPOR DISPOSAL)

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION	1	0 5 oz	0 5 oz	X		
PRESSURE						
VACUUM						
OPEN						

7 FUEL INFORMATION TYPE OF FUEL OIL Jet A
VAPOR PRESSURE 0039 [X](PSIA) [ ](REID) AT 60 (°F) INITIAL BOILING POINT 315 (°F)
SPECIFIC GRAVITY 0 81 OR _____ °API FLASH POINT 100 (°F)
STORAGE TEMPERATURE MAXIMUM 85 (°F) MINIMUM 45 (°F)

8 OPERATING DATA
MAXIMUM FILLING RATE 18,000 (GAL/HR) AVERAGE THROUGHPUT 500 (GAL/DAY)
TANK TURNOVERS PER YEAR 35 CAPACITY 16,500 (GAL)
AVERAGE OUTAGE. (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 4 5 (FT)

THE ABOVE INFORMATION IS SUBMITTED TO DESCRIBE THE USE OF THE EQUIPMENT FOR WHICH APPLICATION FOR PERMIT IS BEING MADE ON THE ACCOMPANYING FORM 400-A

SIGNATURE OF RESPONSIBLE MEMBER OF FIRM Brian P O'Leary DATE 6/2/89

TYPE OR PRINT NAME AND OFFICIAL TITLE OF PERSON SIGNING THIS DATA FORM

NAME BRIAN P O'LEARY

TITLE MGR , ENVIRONMENTAL QUALITY & SAFETY (acting)

400-219(m)(2)-4

APPLICATION INSTRUCTIONS
FOR
FUEL OIL STORAGE TANKS

FILL OUT REVERSE SIDE AND RETURN WITH YOUR APPLICATION (FORM 400-A)

NOTE IF THE FUEL OIL TANK IS USED FOR FUELING VEHICLES, DO NOT USE THIS FORM OR APPLICATON FORM 400-A USE APPLICATION FORM 450

With each application for permit to operate any type of fuel oil storage tank the following data specifications plans and drawings must be submitted in duplicate

1 EQUIPMENT LOCATION DRAWING The drawing submitted must be to scale (suggested scale 1 inch = 100 feet, accuracy of measurements to the nearest 5 feet will be satisfactory) and must show at least the location and identification of the fuel oil storage tank on the property

2 DRAWINGS AND SPECIFICATIONS OF FUEL OIL STORAGE TANK. (Item 3)

Structural design calculations and details are not required When standard commercial equipment is to be installed, the manufacturer's catalog describing the equipment may be submitted by the applicant **ADDITIONAL INFORMATION MAY BE REQUIRED**

Further information or clarification concerning permits can be obtained by writing or calling Permit Application Receiving at (818)572-6212

FILING FEES

NOTE This section supercedes the filing fees as described in form 400A for equipment which was exempt from written permit pursuant to Rule 219 prior to June 3, 1988

A If the equipment is installed prior to June 3, 1988 and the application is filed before June 3, 1989 the application filing fee is $75

B If the equipment is installed prior to June 3, 1988, and the application is filed on or after June 3, 1989, or if the equipment is installed on or after June 3, 1988, the application filing fee is $250, except as noted below

- i For small business the filing fee is $160
- ii Each application for change of ownership requires a $110 transfer fee
- iii All applicants, including state, local governmental and public districts, must pay a permit evaluation fee Such fees are in addition to filing fees and change of ownership fees

2/89

89 JUN -2 11 31

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive, El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
REQUIRED BY THE EXECUTIVE OFFICER

CO. ID. 0 0 1 1 6 0

RB 8/14/91 O.K.

IF YOU HAVE AN EXISTING ID. ENTER ID NUMBER: IF NO ID. LEAVE BLANK

PLEASE TYPE OR PRINT (33)

WHITE-ENGINEERING
YELLOW-FILE
PINK-ENFORCEMENT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
AIRCRAFT ENGINES MAINTENANCE CENTER
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT | SEC | TS | ID NUMBER (FOR NEW CO. ONLY)

1B
GENERAL ELECTRIC COMPANY
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 E. AVION STREET | ONTARIO | CALIFORNIA | 91761
NUMBER STREET | CITY OR COMMUNITY | STATE | ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
2244 E. AVION PLACE | ONTARIO | CALIFORNIA | 91761 | AVION STREET
NUMBER STREET | CITY OR COMMUNITY | ZIP | NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
D LU, MANAGER, ENVIRONMENTAL AND SAFETY

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-6424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
SRC-150 OIL/WATER SEPARATOR (OIL INTERCEPTOR)

6. IF THE EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER

NAME | PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
REINSTATE NON-PAYMENT P/O
- NEW CONSTRUCTION [ ]
- ALTERATION [ ]
- CHANGE OF LOCATION [ ]
- FEES DUE [ ]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [X]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATIONS
BASIC EQUIPMENT $ _____ AIR POLLUTION CONTROL EQUIPMENT $ _____

10. FOR NEW CONSTRUCTION, ALTERNATION, TRANSFER OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETED DATE? _____

11. GENERAL NATURE OF BUSINESS
AIRCRAFT/MARINE AND INDUSTRIAL ENGINE MAINTENANCE

12. PRINCIPAL PRODUCT
OVERHAULED ENGINES

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAY/WEEK 7
WEEKS/YEAR 365

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT?
YES [ ] NO [X]
15A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
For G Romohr

17. OFFICIAL TITLE OF SIGNER
SERVICE GENERAL MANAGER

18. TYPED OR PRINTED NAME OF SIGNER
G.L. ROMOHR For

19. PHONE NO.
(714) 391-6302

20. DATE
8/12/91

SCAQMD USE

SIC NO.	EQUIP. CAT NO.	SCH/STP
	000525	B 7/A

APPLICATION NO.	PERMIT NO.	TYPE B OR C	WORK UNITS A/C P/O	ASSIGNMENT UNIT	ENGR	CLASS I III IV
255988		C		14	MAH	9

VALIDATION	FILING FEE $	CHECK OR MONEY ORDER NUMBER
9/12/91 fah	990 (660+330)	803747 #1890, 00

SENT TO DATA/ID	RET. FROM DATA	SENT TO C/S	RET. FROM C/S	SENT TO	SENT TO	PYMT. PSTD. & APPL.	FIN. APPL. TO DATA

FORM 400A
89390-04

SMALL BUSINESS DECLARATION ON REVERSE SIDE

900.00 for payment fah

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:
INSPECTOR **SECTOR**
ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR: GE Engine Services, Inc.
☒ IRS OR ☐ S. S. NUMBER: 3 1 1 4 6 6 3 6 0

PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS): GE Engine Services, Inc.

BUSINESS MAILING ADDRESS: 1923 East Avion Street, Ontario, CA 91761

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS: (same as above)

TYPE OF ORGANIZATION
☒ Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ Yes ☒ No
AVERAGE ANNUAL GROSS RECEIPTS $
NUMBER OF EMPLOYEES 30
IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED? ☐ Yes ☒ No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? ☐ Yes ☐ No

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER
IF NO, ENTER THE LEGAL NAME OF OWNER

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION: 2264 Avion Drive
NUMBER/STREET
Ontario CA 91761
CITY OR COMMUNITY ZIP CODE

FACILITY NAME: GE Engine Services, Inc. / West Coast Operations
FACILITY ID NUMBER: 0 6 1 1 6 0

PRINT NAME OF CONTACT PERSON: Hani Zarifa
TITLE OF CONTACT PERSON: Sr. Environmental Engineer

TYPE OF BUSINESS AT THIS FACILITY: Turbine Engine Testing
PRIMARY SIC CODE FOR THIS FACILITY: 3 7 2 4
NUMBER OF EMPLOYEES AT THIS FACILITY: 30

CONTACT PERSON'S TELEPHONE NUMBER: (909) 937 5274
CONTACT PERSON'S FAX NUMBER: (909) 937 5319
CONTACT PERSON'S E-MAIL ADDRESS: Hani.Zarifa@ae.ge.com

Section III - Application Type

APPLICATION FOR (SEE INSTRUCTIONS):
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ Yes ☐ No

☐ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

___	400-E-1 • PARTICULATE MATTER (PM-10) CONTROL EQUIPMENT	___	400-E-13 • INTERNAL COMBUSTION EQUIPMENT
1	400-E-2 • VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT	___	400-E-14 • OPEN PROCESS TANK
___	400-E-3 • SCRUBBER	___	400-E-14a • OPEN PROCESS TANK; PROCESS LINE
___	400-E-4 • ABRASIVE BLASTING EQUIPMENT	___	400-E-15 • PRINTING EQUIPMENT
___	400-E-6 • DEGREASER	___	400-E-16 • SOLID MATERIALS STORAGE EQUIPMENT
___	400-E-7 • DRY CLEANING EQUIPMENT	___	400-E-17 • SPRAY BOOTH/OPEN SPRAY
___	400-E-8 • ETHYLENE OXIDE STERILIZER	___	400-E-17a • POWDER SPRAY BOOTH
___	400-E-9 • EXTERNAL COMBUSTION EQUIPMENT	___	400-E-18 • STORAGE TANK (LIQUID & GASEOUS MATERIAL)
___	400-E-10 • FOOD BROILER/FRYER	___	400-E-19 • WAVE SOLDER MACHINE
___	400-E-11 • FUEL DISPENSING AND STORAGE EQUIPMENT	___	400-E-20 • ASBESTOS REMOVAL EQUIPMENT
___	400-E-12 • GAS TURBINE	___	NONE • ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☒ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: Robert H. Rich
TITLE OF RESPONSIBLE OFFICIAL OF FIRM: Service General Manager
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: Robert H. Rich
RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (909) 937 5302
DATE SIGNED: 3/23/98

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: Hani Zarifa
TITLE OF RESPONSIBLE OFFICIAL OF FIRM: Sr. Environmental Engineer
TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: Hani Zarifa
PREPARER'S TELEPHONE NUMBER: (909) 937 5274
DATE SIGNED: 3/23/98

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD USE ONLY	APPLICATION/TRACKING #	TYPE	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
	341152	B C O	555001	$786.50	ND 03/24/98

ENG. A R DATE	ENG. A R DATE	CLASS I II III IV	ASSIGNMENT UNIT 96 ENGINEER HN	ENF. SECT.	CHECK/MONEY ORDER AMOUNT
	5/22/98				#0030274700 $ 2848.10

FORM 400-A, Rev. 10/97

TITLE V APPLICATION CERTIFICATION

- TO BE COMPLETED BY TITLE V FACILITIES ONLY -

Section IV - Title V Application

1. This is an application for a(n) (Check all applicable boxes and provide the requested information as appropriate):
   a. ☒ Initial Title V Permit
   b. ☐ Permit Renewal: Provide current permit expiration date: _____
   c. ☒ Administrative Permit Revision (Check all that apply)
      ☐ Change of Ownership. (Complete and attach equipment-specific Form 400-E-xx series forms)
      ☐ Change of Facility Information
      ☒ Other, Please specify: Name Change for Test Cells (10556B & D64260) to "Test Cell No. 1" and "Test Cell No. 2", respectively.
   d. ☒ Other (Complete and attach equipment specific Form 400-E-XX series form(s) to this form if your application involves permit action for new construction, change of location, non-administrative permit revision, alternative operating scenario (AOS), permit shield, streamlined permit conditions, or temporary source permit.)
2. Is this facility required to prepare a Risk Management Plan (RMP) for another agency? ☐ Yes ☒ No

Section V - Title V Submittal Checklist

1. Enter the quantity of each type form submitted in the space provided:

1	500-A2	_____	500-F1
1	500-B	_____	500-F2
1	500-C1	_____	500-F3
_____	500-C2	_____	500-F4
2	500-D	_____	Other (specify): _____

2. Additional information referenced in this application submitted (Check **ALL** that apply):
   a. ☐ Existing Facility Permit
   b. ☐ Preliminary Facility Permit
   c. ☐ EFB Report for Year _____
   d. ☐ None
   e. ☒ Other (Specify): Current Equipment Permits
3. Supplemental information included with this application submittal (Check **ALL** that apply):
   a. ☐ Facility Plot Plan
   b. ☐ MSDS Sheet(s)
   c. ☐ None
   d. ☒ Other (Specify): Cover Letter, Tables PSR-1 & PSR-2, Letter from J. Broadbent to David Lu.

AQMD USE ONLY	APPLICATION TYPE	30 DAY PUBLIC NOTICE START DATE	30 DAY PUBLIC NOTICE END DATE	PUBLIC HEARING DATE	45-DAY EPA REVIEW START DATE	45-DAY EPA REVIEW END DATE
	INITIAL, RENEWAL & SIGNIFICANT					
	MINOR & DEMINIMUS					
	ESTABLISH GENERAL PERMIT					

USE THE SECTIONS BELOW FOR TITLE V INITIAL AND RENEWAL APPLICATIONS ONLY:

APPLICATION/TRACKING #	TYPE B C D	EQUIPMENT CATEGORY CODE: ___ ___ ___ ___ ___ ___ / ___ ___	FEE SCHEDULE: $	VALIDATION
___ ___ ___ ___ ___ ___				

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT ENGINEER	ENF. SECT.	CHECK/MONEY ORDER # AMOUNT $

FORM 400-A, Rev. 10/97

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE ORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:
INSPECTOR **SECTOR**
ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR: GE Engine Services, Inc.
☒ IRS OR ☐ S. S. NUMBER: 3 1 1 4 6 6 3 6 0

PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS): GE Engine Services, Inc.

BUSINESS MAILING ADDRESS: 1923 East Avion Street, Ontario, CA 91761

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS: (same as above)

TYPE OF ORGANIZATION
☒ Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ Yes ☒ No
AVERAGE ANNUAL GROSS RECEIPTS $
NUMBER OF EMPLOYEES
IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED? ☐ Yes ☒ No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? ☐ Yes ☐ No

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER
IF NO, ENTER THE LEGAL NAME OF OWNER

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION: 2264 Avion Place (NUMBER/STREET)
Ontario (CITY OR COMMUNITY) CA 91761 (ZIP CODE)
FACILITY NAME: GE Engine Services, Inc. / West Coast Operations
FACILITY ID NUMBER: 0 6 1 1 6 0

PRINT NAME OF CONTACT PERSON: Tuan Ngo
TITLE OF CONTACT PERSON: Sr. Environmental Engineer

TYPE OF BUSINESS AT THIS FACILITY: Turbine Engine Testing
PRIMARY SIC CODE FOR THIS FACILITY: 3 7 2 4
NUMBER OF EMPLOYEES AT THIS FACILITY: 30

CONTACT PERSON'S TELEPHONE NUMBER: (909) 937 5274
CONTACT PERSON'S FAX NUMBER: (909) 937 5319
CONTACT PERSON'S E-MAIL ADDRESS: Tuan.Ngo@ae.ge.com

Section III - Application Type

APPLICATION FOR (SEE INSTRUCTIONS):
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☒ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ Yes ☒ No

☒ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

____	400-E-1 • PARTICULATE MATTER (PM-10) CONTROL EQUIPMENT	____	400-E-13 • INTERNAL COMBUSTION EQUIPMENT
____	400-E-2 • VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT	____	400-E-14 • OPEN PROCESS TANK
____	400-E-3 • SCRUBBER	____	400-E-14a • OPEN PROCESS TANK; PROCESS LINE
____	400-E-4 • ABRASIVE BLASTING EQUIPMENT	____	400-E-15 • PRINTING EQUIPMENT
____	400-E-6 • OEGREASER	____	400-E-16 • SOLID MATERIALS STORAGE EQUIPMENT
____	400-E-7 • DRY CLEANING EQUIPMENT	____	400-E-17 • SPRAY BOOTH/OPEN SPRAY
____	400-E-8 • ETHYLENE OXIDE STERILIZER	____	400-E-17a • POWDER SPRAY BOOTH
____	400-E-9 • EXTERNAL COMBUSTION EQUIPMENT	____	400-E-18 • STORAGE TANK (LIQUID & GASEOUS MATERIAL)
____	400-E-10 • FOOD BROILER/FRYER	____	400-E-19 • WAVE SOLDER MACHINE
____	400-E-11 • FUEL DISPENSING AND STORAGE EQUIPMENT	____	400-E-20 • ASBESTOS REMOVAL EQUIPMENT
____	400-E-12 • GAS TURBINE	____	NONE • ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☐ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:
TITLE OF RESPONSIBLE OFFICIAL OF FIRM: Service General Manager
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: Robert H. Rich
RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (909) 937 5302
DATE SIGNED:

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:
TITLE OF RESPONSIBLE OFFICIAL OF FIRM: Senior Manager, Air Sciences
TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: Joseph W. Hower, P.E., DEE, CPP No. B4325
PREPARER'S TELEPHONE NUMBER: (949) 798 3646
DATE SIGNED: 4-13-99

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD USE ONLY
APPLICATION/TRACKING #: 352626 ER
TYPE: (B) C D — 4-16-99
EQUIPMENT CATEGORY CODE: 014700
FEE SCHEDULE: $
VALIDATION: 11-16-99 M
ENG. (A) R — DATE 4/16/99
ENG. A R — DATE
CLASS: (I) III IV
ASSIGNMENT: UNIT J ENGINEER RDO
ENF. SECT.
CHECK/MONEY ORDER # 7562 AMOUNT $ 1053.40

FORM 400-A, Rev. 10/97

TITLE V APPLICATION CERTIFICATION

- TO BE COMPLETED BY TITLE V FACILITIES ONLY -

Section IV - Title V Application

1. This is an application for a(n) (Check all applicable boxes and provide the requested information as appropriate)
   - a ☐ Initial Title V Permit
   - b ☐ Permit Renewal Provide current permit expiration date _____
   - c ☐ Administrative Permit Revision (Check all that apply)
     - ☐ Change of Ownership (Complete and attach equipment-specific Form 400-E-xx series forms)
     - ☐ Change of Facility Information
     - ☐ Other, Please specify _____
   - d ☐ Other (Complete and attach equipment specific Form 400-E-XX series form(s) to this form if your application involves permit action for new construction, change of location, non-administrative permit revision, alternative operating scenario (AOS), permit shield, streamlined permit conditions, or temporary source permit)

2 Is this facility required to prepare a Risk Management Plan (RMP) for another agency? ☐ Yes ☐ No

Section V - Title V Submittal Checklist

1 Enter the quantity of each type form submitted in the space provided

_____	500-A2	_____	500-F1
_____	500-B	_____	500-F2
_____	500-C1	_____	500-F3
_____	500-C2	_____	500-F4
_____	500-D	_____	Other (specify) _____

2 Additional information referenced in this application submitted (Check **ALL** that apply)
- a ☐ Existing Facility Permit
- b ☐ Preliminary Facility Permit
- c ☐ EFB Report for Year _____
- d ☐ None
- e ☐ Other (Specify) _____

3 Supplemental information included with this application submittal (Check **ALL** that apply)
- a ☐ Facility Plot Plan
- b ☐ MSDS Sheet(s)
- c ☐ None
- d ☐ Other (Specify) _____

APR 16 A11:55
S.C.A.Q.M.D
ENGINEERING

AQMD USE ONLY	APPLICATION TYPE	30 DAY PUBLIC NOTICE START DATE	30 DAY PUBLIC NOTICE END DATE	PUBLIC HEARING DATE	45-DAY EPA REVIEW START DATE	45-DAY EPA REVIEW END DATE
	INITIAL, RENEWAL & SIGNIFICANT					
	MINOR & DEMINIMUS					
	ESTABLISH GENERAL PERMIT					

USE THE SECTIONS BELOW FOR TITLE V INITIAL AND RENEWAL APPLICATIONS ONLY:

APPLICATION/TRACKING #	TYPE B C D	EQUIPMENT CATEGDRY CODE	FEE SCHEDULE	VALIDATION
___ ___ ___ ___ ___ ___		___ ___ ___ ___ ___ ___ / ___ ___	$	

ENG A R DATE	ENG A R DATE	CLASS I III IV	ASSIGNMENT UNIT ENGINEER	ENF SECT	CHECK/MONEY ORDER #	AMOUNT $

FORM 400-A, Rev 10/97

South Coast Air Quality Management District
P O Box 4944
Diamond Bar, CA 91765
(909) 396-2000

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) APPLICABILITY FORM 400 - CEQA

The average time to complete the CEQA Applicability Form is no longer than 15 minutes if all necessary information is available If you need assistance filling out this form, you can call Lori Inga (909) 396-3109

Application/Tracking #
Facility Name: GE Engine Services / WCO
Facility ID #: 061160
-- RETAIN FORM IN PERMIT FILE --

All permit applications must be reviewed to determine California Environmental Quality Act (CEQA) applicability See the SCAQMD's "Permit Application Toolkit" for guidance in completing this form Submit only one 400-CEQA form for each 400-A application If submitting multiple applications for the same project, only one 400-CEQA form is necessary A "project" means the whole of an action which has a potential for resulting in physical change to the environment, including construction activities, clearing or grading of land, improvements to existing structures, and activities or equipment involving the issuance of a permit For example, a project might include installation of a new, or modification of an existing internal combustion engine, dry-cleaning facility, boiler, gas turbine, spray coating booth, solvent cleaning tank, etc

Review of Impacts Which May Trigger CEQA

The SCAQMD is required by state law to review discretionary permit projects for potential non-air quality impacts, as well as air quality impacts Responses to the following questions must be provided to allow the SCAQMD to review the permit application project to identify whether or not the project has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document [CEQA Guidelines 15060(a)] To avoid delays in processing this form, please provide additional information explaining any "Yes" responses on a separate sheet and attach to this form Check "Yes" or "No" as applicable

	Yes	No	
1.	☐	X	**HAS THIS PROJECT GENERATED ANY KNOWN PUBLIC CONTROVERSY REGARDING POTENTIAL ADVERSE IMPACTS THAT MAY BE GENERATED BY THE PROJECT** (e g , concerns raised by local groups at public meetings, adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc)**?**
2.	☐	X	**IS THIS PROJECT PART OF A LARGER PROJECT?**
Section I – Air Quality			
3.	☐	X	**WILL THERE BE ANY DEMOLITION, EXCAVATING, AND/OR GRADING CONSTRUCTION ACTIVITIES THAT ENCOMPASS AN AREA EXCEEDING 20,000 SQUARE FEET?**
4.	☐	X	**DOES THIS PROJECT INCLUDE THE OPEN OUTDOOR STORAGE OF DRY BULK SOLID MATERIALS THAT COULD GENERATE DUST?** (If "Yes," please submit a plot plan along with the application package)
5.	☐	X	**WOULD THE PROJECT RESULT IN NOTICEABLE OFF-SITE ODORS** (i e , has the potential to generate Rule 402 nuisance complaints) **FROM ACTIVITIES THAT ARE NOT SUBJECT TO SCAQMD PERMITS** (e g , compost materials or other types of greenwaste such as lawn clippings, tree trimmings, etc)**?**
6.	☐	X	**WILL THE PROPOSED PROJECT INCREASE THE QUANTITY OF HAZARDOUS MATERIALS** (see attached list) **STORED ABOVEGROUND ONSITE OR TRANSPORTED BY MOBILE VEHICLE TO OR FROM THE SITE BY GREATER THAN OR EQUAL TO THE AMOUNTS ASSOCIATED WITH EACH COMPOUND ON THE ATTACHED LIST?**
Section II – Water Resources			
7.	☐	X	**WILL THE PROJECT INCREASE DEMAND FOR WATER AT THE FACILITY BY MORE THAN 5,000,000 GALLONS PER DAY?** (The following examples identify some, but not all, projects that may result in a "yes" answer to this question projects that generate steam, projects that use water as part of the air pollution control equipment, projects that require water as part of the production process, projects that require new or expansion of existing sewage treatment facilities, projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project, projects that require new or expansion of existing water supply facilities, etc)
8.	☐	X	**WILL THE PROJECT REQUIRE CONSTRUCTION OF NEW WATER CONVEYANCE INFRASTRUCTURE?** (Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities, and thus the project requires new water lines, sewage lines, sewage hook-ups, etc)

Section III – Transportation/Circulation

	Yes	No	
9.			**WILL THE PROJECT RESULT IN:**
	☐	X	**THE NEED FOR MORE 350 NEW EMPLOYEES?,** or
	☐	X	**INCREASE HEAVY-DUTY TRANSPORT TRUCK TRAFFIC TO AND/OR FROM THE FACILITY BY MORE THAN 350 TRUCK ROUND-TRIPS PER DAY?,** or
	☐	X	**INCREASE CUSTOMER TRAFFIC BY MORE THAN 700 VISITS PER DAY?**

Section IV – Noise

10.	☐	X	**WILL THE PROJECT INCLUDE EQUIPMENT WITH A NOISE SPECIFICATION GREATER THAN 90 DECIBELS?**

Section V – Public Services

11.			**WILL THE PROJECT CREATE A PERMANENT NEED FOR NEW OR ADDITIONAL PUBLIC SERVICES IN ANY OF THE FOLLOWING AREAS:**
	☐	X	**SOLID WASTE DISPOSAL?** Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day
	☐	X	**HAZARDOUS WASTE DISPOSAL?** Check "No" if the projected potential amount of hazardous wastes generated by the project is less than 42 cubic yards per day (or equivalent in pounds)

****AS A REMINDER, IF ANY ITEM IS MARKED "YES" IN ANY OF THE SECTIONS, PLEASE ATTACH PERTINENT INFORMATION REGARDING THAT ENVIRONMENTAL TOPIC INCLUDING ESTIMATED QUANTITIES, VOLUMES, WEIGHTS, ETC.****

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT to the best of my knowledge. I understand that this form is a streamlined screening tool and that the SCAQMD reserves the right to consider other pertinent information in determining CEQA applicability.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM	TITLE OF RESPONSIBLE OFFICIAL OF FIRM	
	Service General Manager	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM	**RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER**	**DATE signed**
Robert H Rich	(909) 937-5302	/ /
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM	**TITLE OF PREPARER**	
	Senior Manager, Air Sciences	
TYPE OR PRINT NAME OF PREPARER	**PREPARER'S TELEPHONE NUMBER**	**DATE signed**
Joseph W Hower, P E , DEE, CPP	(949) 798-3646	4/13/99

THANK YOU. THIS CONCLUDES FORM 400-CEQA PLEASE SUBMIT ALONG WITH FORM 400-A

SCAQMD STAFF USE ONLY

I HAVE HEREBY REVIEWED THIS FORM AND, BASED ON THE INFORMATION PROVIDED, MAKE THE FOLLOWING DETERMINATION

☒ **THE PROJECT IS EXEMPT FROM CEQA** (The responses in all the sections are marked "No," OR there are one or more "Yes" responses in any of the sections, but additional information or review by SCAQMD staff indicates that the item(s) checked "Yes" have been determined to be insignificant)

☐ **FURTHER REVIEW FOR CEQA APPLICABILITY IS REQUIRED** (There is a "Yes" response in any of the sections Send CEQA Checklist and CEQA documentation, if any, to CEQA Section for review)

STAFF COMMENTS.

DATE REVIEWED. 4/24/99 **PERMITTING ENGINEER'S SIGNATURE**

IF REVIEWED BY CEQA STAFF,

DATE REVIEWED _____ **CEQA STAFF SIGNATURE** _____

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:
INSPECTOR **SECTOR**
ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR
GE Engine Services

☒ IRS OR ☐ S. S. NUMBER
311466360

PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS) **GE Engine Services, Inc.**

BUSINESS MAILING ADDRESS
1923 East Avion Street, Ontario, CA 91761

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS
Same as above

TYPE OF ORGANIZATION
☒ Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS)
☐ Yes ☒ No

AVERAGE ANNUAL GROSS RECEIPTS $

NUMBER OF EMPLOYEES 18

IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED?
☐ Yes ☒ No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.

ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? ☐ Yes ☐ No

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER OF OWNER

IF NO, ENTER THE LEGAL NAME OF OWNER _____

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION
2264 Avion Place (NUMBER/STREET)
Ontario (CITY OR COMMUNITY) CA, 91761 (ZIP CODE)

FACILITY NAME
GE Engine Services, Inc.

FACILITY ID NUMBER
ge-061160

PRINT NAME OF CONTACT PERSON
Tamara Norwood

TITLE OF CONTACT PERSON
Environmental Programs Manager

TYPE OF BUSINESS AT THIS FACILITY
Turbine Engine Testing

PRIMARY SIC CODE FOR THIS FACILITY
3724

NUMBER OF EMPLOYEES AT THIS FACILITY

CONTACT PERSON'S TELEPHONE NUMBER
(620) 442 - 3600 x 4331

CONTACT PERSON'S FAX NUMBER
(513) 786 - 1783

CONTACT PERSON'S E-MAIL ADDRESS
Tamara.Norwood@ae.ge.com

Section III - Application Type

DESCRIPTION OF EQUIPMENT:

PREVIOUS PERMIT #(S):

APPLICATION FOR (SEE INSTRUCTIONS):
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE?
☐ Yes ☐ No

☐ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

_____ 400-E-1	• PARTICULATE MATTER (PM_{10}) CONTROL EQUIPMENT	_____ 400-E-13	• INTERNAL COMBUSTION EQUIPMENT
_____ 400-E-2	• VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT	_____ 400-E-14	• OPEN PROCESS TANK
_____ 400-E-3	• SCRUBBER	_____ 400-E-14a	• OPEN PROCESS TANK; PROCESS LINE
_____ 400-E-4	• ABRASIVE BLASTING EQUIPMENT	_____ 400-E-15	• PRINTING EQUIPMENT
_____ 400-E-6	• DEGREASER	_____ 400-E-16	• SOLID MATERIALS STORAGE EQUIPMENT
_____ 400-E-7	• DRY CLEANING EQUIPMENT	_____ 400-E-17	• SPRAY BOOTH/OPEN SPRAY
_____ 400-E-8	• ETHYLENE OXIDE STERILIZER	_____ 400-E-17a	• POWDER SPRAY BOOTH
_____ 400-E-9	• EXTERNAL COMBUSTION EQUIPMENT	_____ 400-E-18	• STORAGE TANK (LIQUID & GASEOUS MAT'L)
_____ 400-E-10	• FOOD BROILER/FRYER	_____ 400-E-19	• WAVE SOLDER MACHINE
_____ 400-E-11	• FUEL DISPENSING AND STORAGE EQUIPMENT	_____ 400-E-20	• ASBESTOS REMOVAL EQUIPMENT
_____ 400-E-12	• GAS TURBINE	_____ NONE	• ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☒ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: John Timperio

TITLE OF RESPONSIBLE OFFICIAL OF FIRM: SERVICES GENERAL MANAGER 02-21-06

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: **JOHN TIMPERIO**

RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: **(909) 937 - 5302**

DATE SIGNED: / /

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: Barbara L. Barron

TITLE OF PREPARER: **PRINCIPAL, WATSON & BARRON, LTD.**

TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: **BARBARA L. BARRON, QEP**

PREPARER'S TELEPHONE NUMBER: **(919) 828 - 4402**

DATE SIGNED: 02 / 21 / 06

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD USE ONLY	APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE: $	VALIDATION
	454023					02/23/06

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT 5 ENGINEER	ENF. SECT.	CHECK/MONEY ORDER # AMOUNT
					3062846 $ 705.15

FORM 400-A, Rev. 10/97

(52029)

S.C.A.Q.M.D.
ENGINEERING

'06 FEB 23 P3 :33

TITLE V APPLICATION CERTIFICATION

- TO BE COMPLETED BY TITLE V FACILITIES ONLY -

Section IV - Title V Application

1. This is an application for a(n) (Check all applicable boxes and provide the requested information as appropriate):
   a. ☐ Initial Title V Permit
   b. ☒ Permit Renewal: Provide current permit expiration date: 10/09/2006
   c. ☐ Administrative Permit Revision (Check all that apply)
      ☐ Change of Ownership. (Complete and attach *equipment-specific Form* 400-E-xx series forms)
      ☐ Change of Facility Information
      ☐ Other, Please specify: _____
   d. ☐ Other (Complete and attach equipment specific Form 400-E-XX series form(s) to this form if your application involves permit action for new construction, change of location, non-administrative permit revision, alternative operating scenario (AOS), permit shield, streamlined permit conditions, or temporary source permit.)
2. Is this facility required to prepare a Risk Management Plan (RMP) for another agency? ☐ Yes ☒ No

Section V - Title V Submittal Checklist

1. Enter the quantity of each type form submitted in the space provided:

1	500-A2	___	500-F1
1	500-B	___	500-F2
1	500-C1	___	500-F3
___	500-C2	___	500-F4
2	500-D	1	Other (specify): 500-H

2. Additional information referenced in this application submitted (Check **ALL** that apply):
   a. ☒ Existing Facility Permit
   b. ☐ Preliminary Facility Permit
   c. ☐ EFB Report for Year _____
   d ☐ None
   e. ☐ Other (Specify)
3. Supplemental information included with this application submittal (Check **ALL** that apply):
   a. ☐ Facility Plot Plan
   b. ☐ MSDS Sheet(s)
   c. ☐ None
   d. ☒ Other (Specify): Cover Letter; Tables PS-1 and PS-2; Letter from William C Thompson (AQMD) to Irene Santascoy (GEES) dated November 7, 2001

AQMD USE ONLY	APPLICATION TYPE	30 DAY PUBLIC NOTICE START DATE	30 DAY PUBLIC NOTICE END DATE	PUBLIC HEARING DATE	45-DAY EPA REVIEW START DATE	45-DAY EPA REVIEW END DATE
	INITIAL, RENEWAL & SIGNIFICANT					
	MINOR & DEMINIMUS					
	ESTABLISH GENERAL PERMIT					

USE THE SECTIONS BELOW FOR TITLE V INITIAL AND RENEWAL APPLICATIONS ONLY:

APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
___ ___ ___ ___ ___ ___			___ ___ ___ ___ ___ ___ / ___ ___	$	

ENG. A R DATE	ENG. A R DATE	CLASS I III IV	ASSIGNMENT UNIT ENGINEER	ENF. SECT.	CHECK/MONEY ORDER #	AMOUNT $

FORM 400-A, Rev. 10/97

South Coast Air Quality
Management District
21865 East Copley Drive
Diamond Bar, CA 91765
(909) 396- 2000

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) APPLICABILITY FORM 400 - CEQA

The SCAQMD is required by state law, the California Environmental Quality Act (CEQA), to review discretionary permit project applications for potential air quality and other environmental impacts. This form is a screening tool to assist the SCAQMD in clarifying whether or not the project[1] has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document [CEQA Guidelines §15060(a)].[2] Refer to the attached instructions for guidance in completing this form.[3] For each Form 400-A application, also complete and submit one Form 400-CEQA. If submitting multiple Form 400-A applications for the same project at the same time, only one 400-CEQA form is necessary for the entire project. If you need assistance completing this form, contact Permit Services at (909) 396-3385 (or 2668).

FACILITY INFORMATION

Facility Name: GE Engine Services, Inc. **Facility ID** (6-Digit): 61160

Project Description: Title V Permit Renewal

REVIEW FOR EXEMPTION FROM FURTHER CEQA ACTION

Check "Yes" or "No" as applicable

	Yes	No	Is this application for:
A.	☐	☒	**A CEQA and/or NEPA document previously or currently prepared that specifically evaluates this project?** If yes, a permit cannot be issued until a Final CEQA document and Notice of Determination is submitted.
B.	☐	☒	**A request for a change of permittee only (without equipment modifications)?**
C.	☐	☒	**A functionally identical permit unit replacement with no increase in rating or emissions?**
D.	☐	☒	**A change of daily VOC permit limit to a monthly VOC permit limit?**
E.	☐	☒	**Equipment damaged as a result of a disaster during state of emergency?**
F.	☒	☐	**A Title V** (i.e., Regulation XXX) **permit renewal (without equipment modifications)?**
G.	☐	☒	**A Title V administrative permit revision?**
H.	☐	☒	**The conversion of an existing permit into an initial Title V permit?**

If **"Yes"** is checked for any question above, your application does not require additional evaluation for CEQA applicability. Skip to page 2, "SIGNATURES" and sign and date this form.

REVIEW OF IMPACTS WHICH MAY TRIGGER CEQA

Complete Sections I-VI by checking "Yes" or "No" as applicable. To avoid delays in processing your application(s), explain all "Yes" responses on a separate sheet and attach it to this form.

	Yes	No	Section I – General
1.	☐	☐	**Has this project generated any known public controversy regarding potential adverse impacts that may be generated by the project?** Controversy may be construed as concerns raised by local groups at public meetings; adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc.
2.	☐	☐	**Is this project part of a larger project?**
			Section II – Air Quality
3.	☐	☐	**Will there be any demolition, excavating, and/or grading construction activities that encompass an area exceeding 20,000 square feet?**
4.	☐	☐	**Does this project include the open outdoor storage of dry bulk solid materials that could generate dust?** If Yes, include a plot plan with the application package.

[1] A "project" means the whole of an action which has a potential for resulting in physical change to the environment, including construction activities, clearing or grading of land, improvements to existing structures, and activities or equipment involving the issuance of a permit. For example, a project might include installation of a new, or modification of an existing internal combustion engine, dry-cleaning facility, boiler, gas turbine, spray coating booth, solvent cleaning tank, etc.

[2] To download the CEQA guidelines, visit http://ceres.ca.gov/env_law/state.html.

[3] To download this form and the instructions, visit http://www.aqmd.gov/ceqa or http://www.aqmd.gov/permit

	Yes	No	
5.	☐	☐	**Would this project result in noticeable off-site odors from activities that may not be subject to SCAQMD permit requirements?** For example, compost materials or other types of greenwaste (i.e., lawn clippings, tree trimmings, etc.) have the potential to generate odor complaints subject to Rule 402 – Nuisance.
6.	☐	☐	**Does this project cause an increase of emissions from marine vessels, trains and/or airplanes?**
7.	☐	☐	**Will the proposed project increase the QUANTITY of hazardous materials stored aboveground onsite or transported by mobile vehicle to or from the site by greater than or equal to the amounts associated with each compound on the attached Table 1?[4]**
			Section III – Water Resources
8.	☐	☐	**Will the project increase demand for water at the facility by more than 5,000,000 gallons per day?** The following examples identify some, but not all, types of projects that may result in a "yes" answer to this question: 1) projects that generate steam; 2) projects that use water as part of the air pollution control equipment; 3) projects that require water as part of the production process; 4) projects that require new or expansion of existing sewage treatment facilities; 5) projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project; and 6) projects that require new or expansion of existing water supply facilities.
9.	☐	☐	**Will the project require construction of new water conveyance infrastructure?** Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities such that the project requires new water lines, sewage lines, sewage hook-ups, etc.
			Section IV – Transportation/Circulation
10.			**Will the project result in** (Check all that apply)**:**
	☐	☐	**a. the need for more than 350 new employees?**
	☐	☐	**b. an increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round-trips per day?**
	☐	☐	**c. increase customer traffic by more than 700 visits per day?**
			Section V – Noise
11.	☐	☐	**Will the project include equipment that will generate noise GREATER THAN 90 decibels (dB) at the property line?**
			Section VI – Public Services
12.			**Will the project create a permanent need for new or additional public services in any of the following areas** (Check all that apply)**:**
	☐	☐	**a. Solid waste disposal?** Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day.
	☐	☐	**b. Hazardous waste disposal?** Check "No" if the projected potential amount of hazardous wastes generated by the project is less than 42 cubic yards per day (or equivalent in pounds).

REMINDER: *For each "Yes" checked in the sections above, attach all pertinent information including but not limited to estimated quantities, volumes, weights, etc.*

SIGNATURES

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THIS FORM IS A SCREENING TOOL AND THAT THE SCAQMD RESERVES THE RIGHT TO CONSIDER OTHER PERTINENT INFORMATION IN DETERMINING CEQA APPLICABILITY.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:	TITLE OF RESPONSIBLE OFFICIAL OF FIRM:	
John Timperio	Services General Manager 02-21-06	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM:	**RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER:**	**DATE Signed:**
John Timperio	909-937-5302	
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:	**TITLE OF PREPARER:**	
Barbara L. Barron	Principal, Watson & Barron, Ltd.	
TYPE OR PRINT NAME OF PREPARER:	**PREPARER'S TELEPHONE NUMBER:**	**DATE Signed:**
Barbara L. Barron, QEP	919-828-4402	02/21/06

THIS CONCLUDES FORM 400-CEQA. INCLUDE THIS FORM AND THE ATTACHMENTS WITH FORM 400-A.

[4] Table 1 – Regulated Substances List and Threshold Quantities for Accidental Release Prevention can be found in the Instructions for Form 400-CEQA.

South Coast Air Quality Management District

Form 400-CEQA

California Environmental Quality Act (CEQA) Applicability

Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765

Tel: (909) 396-3385

www.aqmd.gov

The SCAQMD is required by state law, the California Environmental Quality Act (CEQA), to review discretionary permit project applications for potential air quality and other environmental impacts. This form is a screening tool to assist the SCAQMD in clarifying whether or not the project[1] has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document [CEQA Guidelines §15060(a)].[2] Refer to the attached instructions for guidance in completing this form.[3] For each Form 400-A application, also complete and submit one Form 400-CEQA. If submitting multiple Form 400-A applications for the same project at the same time, only one 400-CEQA form is necessary for the entire project. If you need assistance completing this form, contact Lori Inga at (909) 396-3109.

FACILITY INFORMATION

Business Name of Operator to Appear on the Permit:	Facility ID (6-Digit):
GE Engine Services, Inc.	061160

Project Description:

Title V permit revision (Application for Permit to Operate existing batch oven (Rule 202(c)); addition of Rule 219 operations)

REVIEW FOR EXEMPTION FROM FURTHER CEQA ACTION

Check "Yes" or "No" as applicable

	Yes	No	Is this application for:
A.	○	◉	**A CEQA and/or NEPA document previously or currently prepared that specifically evaluates this project?** If yes, a permit cannot be issued until a Final CEQA document and Notice of Determination is submitted.
B.	○	◉	**A request for a change of permittee only (without equipment modifications)?**
C.	○	◉	**Equipment certification or equipment registration** (qualifies for Rule 222)?
D.	○	◉	**A functionally identical permit unit replacement with no increase in rating or emissions?**
E.	○	◉	**A change of daily VOC permit limit to a monthly VOC permit limit?**
F.	○	◉	**Equipment damaged as a result of a disaster during state of emergency?**
G.	○	◉	**A Title V** (i.e., Regulation XXX) **permit renewal (without equipment modifications)?**
H.	○	◉	**A Title V administrative permit revision?**
I.	○	◉	**The conversion of an existing permit into an initial Title V permit?**

If **"Yes"** is checked for any question above, your application does not require additional evaluation for CEQA applicability. Skip to page 2, "SIGNATURES" and sign and date this form.

REVIEW OF IMPACTS WHICH MAY TRIGGER CEQA

Complete Sections I-VI by checking "Yes" or "No" as applicable. To avoid delays in processing your application(s), explain all "Yes" responses on a separate sheet and attach it to this form.

	Yes	No	Section I – General
1.	○	◉	**Has this project generated any known public controversy regarding potential adverse impacts that may be generated by the project?** Controversy may be construed as concerns raised by local groups at public meetings; adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc.
2.	○	◉	**Is this project part of a larger project?**
			Section II – Air Quality
3.	○	◉	**Will there be any demolition, excavating, and/or grading construction activities that encompass an area exceeding 20,000 square feet?**
4.	○	◉	**Does this project include the open outdoor storage of dry bulk solid materials that could generate dust?** If Yes, include a plot plan with the application package.

[1] A "project" means the whole of an action which has a potential for resulting in physical change to the environment, including construction activities, clearing or grading of land, improvements to existing structures, and activities or equipment involving the issuance of a permit. For example, a project might include installation of a new, or modification of an existing internal combustion engine, dry-cleaning facility, boiler, gas turbine, spray coating booth, solvent cleaning tank, etc.

[2] To download the CEQA guidelines, visit http://ceres.ca.gov/env_law/state.html.

[3] To download this form and the instructions, visit http://www.aqmd.gov/ceqa or http://www.aqmd.gov/permit

© South Coast Air Quality Management District, Form 400-CEQA (2002.05)

	Yes	No	
5.	○	◉	**Would this project result in noticeable off-site odors from activities that may not be subject to SCAQMD permit requirements?** For example, compost materials or other types of greenwaste (i.e., lawn clippings, tree trimmings, etc.) have the potential to generate odor complaints subject to Rule 402 – Nuisance.
6.	○	◉	**Does this project cause an increase of emissions from marine vessels, trains and/or airplanes?**
7.	○	◉	**Will the proposed project increase the QUANTITY of hazardous materials stored aboveground onsite or transported by mobile vehicle to or from the site by greater than or equal to the amounts associated with each compound on the attached Table 1?[4]**
			Section III – Water Resources
8.	○	◉	**Will the project increase demand for water at the facility by more than 5,000,000 gallons per day?** The following examples identify some, but not all, types of projects that may result in a "yes" answer to this question: 1) projects that generate steam; 2) projects that use water as part of the air pollution control equipment; 3) projects that require water as part of the production process; 4) projects that require new or expansion of existing sewage treatment facilities; 5) projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project; and 6) projects that require new or expansion of existing water supply facilities.
9.	○	◉	**Will the project require construction of new water conveyance infrastructure?** Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities such that the project requires new water lines, sewage lines, sewage hook-ups, etc.
			Section IV – Transportation/Circulation
10.			**Will the project result in** (Check all that apply):
	○	◉	**a. the need for more than 350 new employees?**
	○	◉	**b. an increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round-trips per day?**
	○	◉	**c. increase customer traffic by more than 700 visits per day?**
			Section V – Noise
11.	○	◉	**Will the project include equipment that will generate noise GREATER THAN 90 decibels (dB) at the property line?**
			Section VI – Public Services
12.			**Will the project create a permanent need for new or additional public services in any of the following areas** (Check all that apply):
	○	◉	**a. Solid waste disposal?** Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day.
	○	◉	**b. Hazardous waste disposal?** Check "No" if the projected potential amount of hazardous wastes generated by the project is less than 42 cubic yards per day (or equivalent in pounds).

REMINDER: For each "Yes" checked in the sections above, attach all pertinent information including but not limited to estimated quantities, volumes, weights, etc.

SIGNATURES

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THIS FORM IS A SCREENING TOOL AND THAT THE SCAQMD RESERVES THE RIGHT TO CONSIDER OTHER PERTINENT INFORMATION IN DETERMINING CEQA APPLICABILITY.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:	TITLE OF RESPONSIBLE OFFICIAL OF FIRM:	
	Service General Manager	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM:	RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER:	DATE Signed:
John Macaulay	620 442-3600	10/23/06
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:	TITLE OF PREPARER:	
Barbara Lee Barron	Principal, Watson&Barron, Ltd.	
TYPE OR PRINT NAME OF PREPARER:	PREPARER'S TELEPHONE NUMBER:	DATE Signed:
Barbara Lee Barron, QEP	919 828-4402	10/3/2006

THIS CONCLUDES FORM 400-CEQA. INCLUDE THIS FORM AND THE ATTACHMENTS WITH FORM 400-A.

[4] Table 1 – Regulated Substances List and Threshold Quantities for Accidental Release Prevention can be found in the Instructions for Form 400-CEQA.

© South Coast Air Quality Management District, Form 400-CEQA (2002.05)

South Coast Air Quality Management District

Form 400-A

Application For Permit To Construct and Permit To Operate

Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765

Tel: (909) 396-3385
www.aqmd.gov

Section A: Operator Information

1. Business Name of Operator To Appear On The Permit: GE Engine Services, Inc.

2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD): 061160

3. Owner's Business Name (only if different from Business Name of Operator):

Section B: Equipment Location

4. Equipment Location Address:
For equipment operated at various locations in AQMD's jurisdiction, provide address of initial site

2264 Avion Place
Street Address

Ontario CA, 91761
City State Zip Code

County: ○ Los Angeles ○ Orange ◉ San Bernardino ○ Riverside

Contact Name: Tamara Norwood X4331

Contact Title: Env. Program Mgr. Phone: (620) 442-3600

Fax: (513) 786-1783 E-Mail: Tamara.Norwood@ge.com

Section C: Permit Mailing Address

5. Permit and Correspondence Information:

☒ Check here if same as equipment location address

Street Address

City State Zip Code

County: ○ Los Angeles ○ Orange ○ San Bernardino ○ Riverside

Contact Name:

Contact Title: Phone:

Fax: E-Mail:

Section D: Application Type

The facility is in ○ RECLAIM ◉ Title V ○ RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE):

- ○ New Construction (Permit to Construct)
- ○ Permitted Equipment Altered/ Modified Without Permit Approval*
- ○ Equipment Operating Without A Permit or Expired Permit*
- ○ Proposed Alteration/Modification to Permitted Equipment
- ○ Administrative Change
- ○ Change of Condition For Permit To Operate
- ○ Equipment On-Site But Not Constructed or Operational
- ○ Change of Condition For Permit To Construct
- ◉ Title V Application (Initial, Revisions, etc.) (Also complete Form 500-TV)
- ○ Change of Location—Moving to New Site
- ○ Compliance Plan
- ○ Facility Permit Amendment
- ○ Registration/Certification
- ○ Streamlined Standard Permit

Existing Or Previous Permit/Application Number:
(If you checked any of the items in this column, you MUST provide a existing Permit/ Application Number)

* A Higher Permit Processing Fee applies to those items with an asterisk (Rule 301 (c) (1) (D)

7. Estimated Start Date of Operation/Construction (MM/DD/YYYY):

8. Description of Equipment:

9. Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction? ○ No ○ Yes

10. For Identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each)

11. Are you a Small Business as per AQMD's Rule 102 definition? (10 employees or less and total gross receipts are $500,000 or less, or a not-for-profit training center?) ○ No ○ Yes

12. Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment?
○ No ○ Yes If yes, provide NOV/NC #:

Section E: Facility Business Information

13. What type of business is being conducted at this equipment location? Turbine Engine Repair and Testing

14. What is your businesses primary NAICS Code (North American Industrial Classification System)? 336412

15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator? ◉ No ○ Yes

16. Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location? ◉ No ○ Yes

Section F: Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application is true and correct.

17. Signature of Responsible Official:

18. Title: Service General Manager

19. Print Name: John Macaulay

20. Date: 10/23/06

Check List

- ☐ Form(s) signed and dated by authorized official
- ☐ Supplemental Equipment Form (400-E-XX or 400-E-GEN)
- ☐ CEQA Form (400-CEQA) attached
- ☐ Payment for permit processing fee attached

Your application will be rejected if any of the above items are missing.

AQMD USE ONLY	APPLICATION/TRACKING #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
	462675			$	11-7-06 TOX

ENG. A R DATE	ENG. A R DATE	CLASS I IV	ASSIGNMENT Unit J Engineer	CHECK/MONEY ORDER 30639934	AMOUNT 4719.70	Tracking #

© South Coast Air Quality Management District, Form 400-A (2004.05)

CM 57122

192

South Coast Air Quality Management District

FORM 400-E-9b
EXTERNAL COMBUSTION
BAKE/CURE OVEN

Mail Application To:
SCAQMD
P.O. Box 4944
Diamond Bar, CA 91765

Tel: (909) 396-3385
www.aqmd.gov

This form must be accompanied by a completed Application for a Permit to Construct/Operate -Form 400A, Form CEQA, Plot Plan and Stack Form

Permit to be issued to (Business name of operator to appear on permit):
GE Engine Services, Inc.

Address where the equipment will be operated (for equipment which will be moved to various location in AQMD's jurisdiction, please list the initial location site):
2264 Avion Place, Ontario, CA 91761 (●) Fixed Location ( ) Various Locations

SECTION A: EQUIPMENT DESCRIPTION

Equipment	Manufacturer: Grieve	Model No: B2-650	Make:
Dimension	Length: 9.50 ft.	Width: 6.42 ft.	Height: 7.33 ft.
Type	(●) Cure ( ) Bake ( ) Bakery ( ) Drying		
Design Rating for Fuel	(●) Electric Heating Total KW Rating:	( ) LPG ( ) Natural Gas Fired Total BTU rating: (BTU/hr) Number of burners: Btu rating of each burner: (BTU/hr) Low Nox Type? ( ) Yes ( ) No	
Blower	[X] Exhaust	Quantity: 1 HP: 5.00 CFM: 5000.000 for each unit	
	[ ] Circulation	Quantity: HP: CFM: for each unit	
	[ ] Combustion Air Blower	Quantity: HP: CFM: for each unit	
Method of Heating	( ) Direct fired ( ) Infra red with hot air (●) Infrared with ambient air ( ) Steam Heated ( ) Other Indirect		

SECTION B: PROCESS DESCRIPTION

Brief Description of Process	Materials Processed: Curing solid film lubricant - turbine engine parts For bakery oven, please provide: Yeast Percentage: % Fermentation Type: hours
Operation	(●) Batch ( ) Continuous
Operating Temperature	Normal temperature: 400.00 °F Maximum temperature: 650.00 °F
Instrumentation Data	Describe instrumentation data for measuring temperature and other operating parameters (attach description).
Operating Schedule	Normal: 2 hours/day 5 days/week 52 weeks/yr Maximum: 4 hours/day 5 days/week 52 weeks/yr

SECTION C: APPLICANT CERTIFICATION STATEMENT

I hereby certify that all information contained herein and information submitted with this application is true and correct.

SIGNATURE OF PREPARER:	TITLE OF PREPARER: Principal	PREPARER'S TELEPHONE NUMBER: (919) 828-4402 PREPARER'S E-MAIL ADDRESS:
CONTACT PERSON FOR INFORMATION ON THIS EQUIPMENT: Tamara Norwood E-MAIL ADDRESS: tamara.norwood@ge.com	CONTACT PERSON'S TELEPHONE NUMBER: (620) 442-3600 FAX NUMBER: (513) 786-1783	DATE SIGNED:

CONFIDENTIAL INFORMATION

Under the California Public Records Act, all information in your permit application will be considered a matter of public record and may be disclosed to a third party. If you wish to keep certain items as confidential, please complete the following steps:

(a) Make a copy of any page containing confidential information blanked out. Label this page "public copy."
(b) Label the original page "confidential." Circle all confidential items on the page.
(c) Prepare a written justification for the confidentiality of each confidential item. Append this to the confidential copy.

© South Coast Air Quality Management District, Form 400-E-9b (2002.11)

South Coast Air Quality Management District

Form 400-A

Application For Permit To Construct and Permit To Operate

Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765

Tel: (909) 396-3385
www.aqmd.gov

Section A: Operator Information

1. Business Name of Operator To Appear On The Permit:
GE Engine Services, Inc.

2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD): 061160

3. Owner's Business Name (only if different from Business Name of Operator):

Section B: Equipment Location

4. Equipment Location Address:
For equipment operated at various locations in AQMD's jurisdiction, provide address of initial site

2264 Avion Place
Street Address

Ontario CA, 91776
City State Zip Code

County: ○ Los Angeles ○ Orange ◉ San Bernardino ○ Riverside

Contact Name: Tamara Norwood

Contact Title: Env. Program Mgr. Phone: (620) 442-3600

Fax: (512) 786-1783 E-Mail: tamara.norwood@ge.com

Section C: Permit Mailing Address

5. Permit and Correspondence Information:
☒ Check here if same as equipment location address

Street Address

City State Zip Code

County: ○ Los Angeles ○ Orange ○ San Bernardino ○ Riverside

Contact Name:

Contact Title: Phone:

Fax: E-Mail:

Section D: Application Type

The facility is in ○ RECLAIM ◉ Title V ○ RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE):

- ○ New Construction (Permit to Construct)
- ◉ Equipment Operating Without A Permit or Expired Permit*
- ○ Administrative Change
- ○ Equipment On-Site But Not Constructed or Operational
- ○ Title V Application (Initial, Revisions, etc.) (Also complete Form 500-TV)
- ○ Compliance Plan
- ○ Facility Permit Amendment
- ○ Registration/Certification
- ○ Streamlined Standard Permit
- ○ Permitted Equipment Altered/ Modified Without Permit Approval*
- ○ Proposed Alteration/Modification to Permitted Equipment
- ○ Change of Condition For Permit To Operate
- ○ Change of Condition For Permit To Construct
- ○ Change of Location—Moving to New Site

Existing Or Previous Permit/Application Number:
(If you checked any of the items in this column, you MUST provide a existing Permit/ Application Number)

* A Higher Permit Processing Fee applies to those items with an asterisk (Rule 301 (c) (1) (D)

7. Estimated Start Date of Operation/Construction (MM/DD/YYYY): 07/05/2006

8. Description of Equipment:
Electric Batch Curing Oven (Form 400-E-9b included in application).

9. Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction? ◉ No ○ Yes

10. For Identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each)

11. Are you a Small Business as per AQMD's Rule 102 definition? (10 employees or less and total gross receipts are $500,000 or less, or a not-for-profit training center?) ◉ No ○ Yes

12. Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment?
◉ No ○ Yes If yes, provide NOV/NC #:

Section E: Facility Business Information

13. What type of business is being conducted at this equipment location?
Turbine Engine Repair and Testing

14. What is your businesses primary NAICS Code (North American Industrial Classification System)? 336412

15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator? ◉ No ○ Yes

16. Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location? ◉ No ○ Yes

Section F: Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application is true and correct.

17. Signature of Responsible Official:

18. Title: Service General Manager

19. Print Name: John Macaulay

20. Date: 10/23/06

Check List
- ☐ Form(s) signed and dated by authorized official
- ☐ Supplemental Equipment Form (400-E-XX or 400-E-GEN)
- ☐ CEQA Form (400-CEQA) attached
- ☐ Payment for permit processing fee attached

Your application will be rejected if any of the above items are missing.

AQMD USE ONLY	APPLICATION TRACKING #	TYPE B C D	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
	469676		000 259	$	11-7-06 DR

ENG. A R DATE	ENG. A R DATE	CLASS I III V	ASSIGNMENT Unit J Engineer	CHECK/MONEY ORDER #306399 34	AMOUNT $4,719.70	Tracking #

© South Coast Air Quality Management District, Form 400-A (2004.05)

CT 57122

2 of 2

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s). Complete this side of form only.
Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:
INSPECTOR SECTOR
ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR
GE Engine Services, Inc.

☒ IRS OR ☐ S. S. NUMBER
3 1 1 4 6 6 3 6 0

PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS)
GE Engine Services, Inc.

BUSINESS MAILING ADDRESS
1923 East Avion Street, Ontario, CA 91761

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS
(same as above)

TYPE OF ORGANIZATION
☒ Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS)
☐ Yes ☒ No

AVERAGE ANNUAL GROSS RECEIPTS $
NUMBER OF EMPLOYEES 30

IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED?
☐ Yes ☒ No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.
ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES? ☐ Yes ☐ No

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ Yes ☐ No ☐ IRS OR ☐ S. S. NUMBER
IF NO, ENTER THE LEGAL NAME OF OWNER

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION
2264 Avion Drive
NUMBER/STREET
Ontario CA 91761
CITY OR COMMUNITY ZIP CODE

FACILITY NAME GE Engine Services, Inc. / West Coast Operations
FACILITY ID NUMBER 0 6 1 1 6 0

PRINT NAME OF CONTACT PERSON
Hani Zarifa

TITLE OF CONTACT PERSON
Sr. Environmental Engineer

TYPE OF BUSINESS AT THIS FACILITY
Turbine Engine Testing

PRIMARY SIC CODE FOR THIS FACILITY
3 7 2 4

NUMBER OF EMPLOYEES AT THIS FACILITY
30

CONTACT PERSON'S TELEPHONE NUMBER
(909) 937 5274

CONTACT PERSON'S FAX NUMBER
(909) 937 5319

CONTACT PERSON'S E-MAIL ADDRESS
Hani.Zarifa@ae.ge.com

Section III - Application Type

APPLICATION FOR (SEE INSTRUCTIONS):
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE?
☐ Yes ☐ No

☐ **APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:**

____	400-E-1 • PARTICULATE MATTER (PM-10) CONTROL EQUIPMENT	____	400-E-13 • INTERNAL COMBUSTION EQUIPMENT
____	400-E-2 • VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT	____	400-E-14 • OPEN PROCESS TANK
____	400-E-3 • SCRUBBER	____	400-E-14a • OPEN PROCESS TANK; PROCESS LINE
____	400-E-4 • ABRASIVE BLASTING EQUIPMENT	____	400-E-15 • PRINTING EQUIPMENT
____	400-E-6 • DEGREASER	____	400-E-16 • SOLID MATERIALS STORAGE EQUIPMENT
____	400-E-7 • DRY CLEANING EQUIPMENT	____	400-E-17 • SPRAY BOOTH/OPEN SPRAY
____	400-E-8 • ETHYLENE OXIDE STERILIZER	____	400-E-17a • POWDER SPRAY BOOTH
____	400-E-9 • EXTERNAL COMBUSTION EQUIPMENT	____	400-E-18 • STORAGE TANK (LIQUID & GASEOUS MATERIAL)
____	400-E-10 • FOOD BROILER/FRYER	____	400-E-19 • WAVE SOLDER MACHINE
____	400-E-11 • FUEL DISPENSING AND STORAGE EQUIPMENT	____	400-E-20 • ASBESTOS REMOVAL EQUIPMENT
____	400-E-12 • GAS TURBINE	____	NONE • ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☒ **APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.**

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:
TITLE OF RESPONSIBLE OFFICIAL OF FIRM: Service General Manager
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: Robert H. Rich
RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (909) 937 5302
DATE SIGNED: 3/23/98

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:
TITLE OF RESPONSIBLE OFFICIAL OF FIRM: Sr. Environmental Engineer
TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: Hani Zarifa
PREPARER'S TELEPHONE NUMBER: (909) 937 5274
DATE SIGNED: 3/23/98

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD USE ONLY	APPLICATION/TRACKING #	TYPE	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
	341149	B C D	014700	$ Change of Condition	ND 03/24/98

ENG. A R DATE	ENG. (A) R DATE 5/22/98	CLASS I II III IV	ASSIGNMENT UNIT 86 ENGINEER HN	ENF. SECT.	CHECK/MONEY ORDER AMOUNT # 0030274700 $ 2848.11

FORM 400-A, Rev. 10/97

Irene Santoscoy (909) 937 5300 5319 / 5215

SOUTH COA[illegible] AIR QUALITY MANAGEM[illegible]NT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO O[illegible] AND/OR EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE [illegible]

COLTON

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER: 061160

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 East Avion Street | Ontario | CA
NUMBER STREET | CITY OR COMMUNITY | STATE

2B. ZIP CODE: 91761

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
2264 East Avion Place | Ontario, CA | 91761
NUMBER STREET | CITY OR COMMUNITY | ZIP

3B. NEAREST INTERSECTING STREET: Vineyard Ave.& Mission Blvd.

4A. CONTACT PERSON (INITIAL & NAME): D.W. Lu

4B. CONTACT PHONE NO. (AREA & NO.): (714 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Storage Tank No. 4 for Jet Fuels

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
General Electric — NAME
D02487 — PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION [ ]
- ALTERATION [X]
- CHANGE OF LOCATION [ ]
- REINSTATE NON-PAYMENT P/O FEES DUE [ ]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [ ]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T. AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 0
AIR POLLUTION CONTROL EQUIPMENT $ 0

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? April 1, 1990
ESTIMATED COMPLETION DATE? May 1, 1990

11. GENERAL NATURE OF BUSINESS: Aircraft Engine Maintenance

12. PRINCIPAL PRODUCT: Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA? YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAYS/WEEK 7
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES [ ] NO [X]

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES? YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: M A Donohue

17. OFFICIAL TITLE OF SIGNER: General Service Manager

18. TYPED OR PRINTED NAME OF SIGNER: M.A. Donohue

19. PHONE NO.: 714-391-5302

20. DATE: 4-12-90

SCAQMD USE

SIC NO.		EQUIP CAT NO. 332900 1		SCH/STP 5/C	
APPLICATION NO. 227600	PERMIT NO.	TYPE (B) OR C	WORK UNITS A/C P/O	ASSIGNMENT UNIT 09 ENGR MB	CLASS I III (IV)
VALIDATION 5/4/90 GF		FILING FEE $ 250 00		CHECK OR MONEY ORDER NUMBER 770793	

Form 400A — PRIOR VERSIONS NOT VALID — (Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

89399-02

Reviewed by MB
Colton Unit 9 4/30/90

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive, El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
REQUIRED BY THE EXECUTIVE OFFICER

CO. ID. 06116O

WHITE-ENGINEERING
YELLOW-FILE
PINK-ENFORCEMENT

IF YOU HAVE AN EXISTING ID. ENTER ID NUMBER: IF NO ID. LEAVE BLANK

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
General Electric Co.

BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY): 06116O

1B.
1923 E. Avion Street, Ontario, California 91761

NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 E. Avion Street, Ontario, California 91761
NUMBER | STREET | CITY OR COMMUNITY | STATE | ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
2264 Avion Place, Ontario, California 91761 | Mission & Vineyard
NUMBER | STREET | CITY OR COMMUNITY | ZIP | NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
D.W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
( )

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Underground storage tank for waste fuel and oil

6. IF THE EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER

NAME _____ PREVIOUS PERMIT NUMBER _____

7. PERMIT APPLICATION FOR EQUIPMENT

REINSTATE NON-PAYMENT P/O
- NEW CONSTRUCTION [ ]
- ALTERATION [ ]
- CHANGE OF LOCATION [ ]
- FEES DUE [ ]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [X]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
- CORPORATION [ ]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOVT AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATIONS
BASIC EQUIPMENT $ _____ AIR POLLUTION CONTROL EQUIPMENT $ _____

10. FOR NEW CONSTRUCTION, ALTERNATION, TRANSFER OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETED DATE? _____

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAY/WEEK 7
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT?
YES [ ] NO [X]
15A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
M A Donohue

17. OFFICIAL TITLE OF SIGNER
Service General Manager

18. TYPED OR PRINTED NAME OF SIGNER
M.A. Donohue

19. PHONE NO.
(714) 986-6731

20. DATE
6-19-90

SCAQMD USE

SIC NO.	EQUIP. CAT NO. 332900		SCH/STP 5/A			
APPLICATION NO. 231564 MB	PERMIT NO.	TYPE B OR C B	WORK UNITS A/C P/O	ASSIGNMENT UNIT 09 ENGR MB	CLASS I II III IV	
VALIDATION 6/28/90 MB		FILING FEE $ 250.00		CHECK OR MONEY ORDER NUMBER 765725		
SENT TO DATA/IP	RET. FROM DATA	SENT TO C/S	RET. FROM C/S	SENT TO	SENT TO	PYMT. PSTD. & APPL. 6/29	FIN. APPL. TO DATA

FORM 400A
88080-04

SMALL BUSINESS DECLARATION ON REVERSE SIDE

Reviewed by MB-Colton 12/89 (1 OFS) 6/22/90

South Coast Air Quality Management District

Form 400-A

Application For Permit To Construct and Permit To Operate

Mail Application To
P O Box 4944
Diamond Bar, CA 91765

Tel (909) 396-3385
www.aqmd.gov

Section A Operator Information

1 Business Name of Operator To Appear On The Permit.
ExpressJet Airlines

2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD): 151380

3 Owner's Business Name (only if different from Business Name of Operator)

Section B Equipment Location

4. Equipment Location Address
For equipment operated at various locations in AQMD's jurisdiction provide address of initial site

Ontario International Airport - 2475 Avion Drive
Street Address

Ontario — CA, 91761
City — State — Zip Code

County: ○ Los Angeles ○ Orange ◉ San Bernardino ○ Riverside

Contact Name: Dave Staggs
Contact Title: Regional Director, Maintenance Phone: (832) 687-0328
Fax: n/a E-Mail: Dave Staggs@expresset com

Section C Permit Mailing Address

5. Permit and Correspondence Information
☐ Check here if same as equipment location address

4750 World Houston Parkway, Suite 200
Street Address

Houston — TX — 77032
City — State — Zip Code

Contact Name: Ronald Schultz
Contact Title: Director, Environmental Affairs Phone: (832) 353-3432
Fax: (832) 353-3460 E Mail: Ronald Schultz@expressjet

Section D. Application Type

The facility is in ○ RECLAIM ○ Title V ○ RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE)

- ○ New Construction (Permit to Construct)
- ○ Equipment Operating Without A Permit or Expired Permit*
- ○ Administrative Change
- ◉ Equipment On-Site But Not Constructed or Operational
- ○ Title V Application (Initial Revisions, Modifications etc.)
- ○ Compliance Plan
- ○ Facility Permit Amendment
- ○ Registration/Certification
- ○ Streamlined Standard Permit
- ○ Permitted Equipment Altered/ Modified Without Permit Approval*
- ○ Proposed Alteration/Modification to Permitted Equipment
- ○ Change of Condition For Permit To Operate
- ○ Change of Condition For Permit To Construct
- ○ Change of Location—Moving to New Site

Existing Or Previous Permit/Application Number
(If you checked any of the items in this column you MUST provide a existing Permit/ Application Number)

* A Higher Permit Processing Fee applies to those items with an asterisk (Rule 301 (c) (1) (D)

7 Estimated Start Date of Operation/Construction (MM/DD/YYYY): 04/01/2007

8 Description of Equipment.
TLD Air Start Unit used as a backup power source to start aircraft engines The unit is equipped with a 2002 200hp Cummins diesel fueled engine (model number B5 9C, serial number 46274304) The engine family certification is 2CEXL0359ABA The unit is equipped with air pollution controls

9 Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction? ◉ No ○ Yes

10 For identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each): 0

11 Are you a Small Business as per AQMD's Rule 102 definition? (10 employees or less and total gross receipts are $500 000 or less, or a not-for-profit training center?) ◉ No ○ Yes

12 Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment?
◉ No ○ Yes If yes provide NOV/NC #

Section E Facility Business Information

13 What type of business is being conducted at this equipment location?
Commercial Passenger Airline

14 What is your businesses primary NAICS Code (North American Industrial Classification System)? 4512

15 Are there other facilities in the SCAQMD jurisdiction operated by the same operator? ○ No ◉ Yes

16 Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location? ◉ No ○ Yes

Section F. Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application is true and correct.

17 Signature of Responsible Official

18. Title: Director, Environmental

19 Print Name: Ronald Schultz

20 Date: 03/10/2007

Check List
- ☒ Form(s) signed and dated by authorized official
- ☒ Supplemental Equipment Form (400-E XX or 400-E-GEN)
- ☒ CEQA Form (400-CEQA) attached
- ☒ Payment for permit processing fee attached

Your application will be rejected if any of the above items are missing

AQMD USE ONLY	APPLICATION/TRACKING # 466815	TYPE B C D	EQUIPMENT CATEGORY CODE	FEE SCHEDULE $	VALIDATION 3/29/07
ENG A R DATE	ENG A R DATE	CLASS I III IV	ASSIGNMENT Unit Engineer	CHECK/MONEY ORDER # 2718	AMOUNT $ 1695.45 Tracking # 099873

© South Coast Air Quality Management District, Form 400-A (2006 02)

4/5/07

ENGINEERING

'07 MAR 23 P2 22

South Coast Air Quality Management District

Form 400-CEQA

California Environmental Quality Act (CEQA) Applicability

Mail Application To
P O Box 4944
Diamond Bar, CA 91765

Tel (909) 396-3385

www.aqmd.gov

The SCAQMD is required by state law, the California Environmental Quality Act (CEQA), to review discretionary permit project applications for potential air quality and other environmental impacts. This form is a screening tool to assist the SCAQMD in clarifying whether or not the project[1] has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document [CEQA Guidelines §15060(a)].[2] Refer to the attached instructions for guidance in completing this form.[3] For each Form 400-A application, also complete and submit one Form 400-CEQA. If submitting multiple Form 400-A applications for the same project at the same time, only one 400-CEQA form is necessary for the entire project. If you need assistance completing this form, contact Lori Inga at (909) 396-3109

FACILITY INFORMATION

Business Name of Operator to Appear on the Permit	Facility ID (6-Digit)
ExpressJet Airlines	

Project Description

Permit to operate a TLD Air Start Unit with a diesel-fueled engine used as a backup power source to start aircraft engines

REVIEW FOR EXEMPTION FROM FURTHER CEQA ACTION

Check "Yes" or "No" as applicable

	Yes	No	Is this application for
A.	○	◉	**A CEQA and/or NEPA document previously or currently prepared that specifically evaluates this project?** If yes, a permit cannot be issued until a Final CEQA document and Notice of Determination is submitted
B	○	◉	**A request for a change of permittee only (without equipment modifications)?**
C	○	◉	**Equipment certification or equipment registration** (qualifies for Rule 222)?
D	○	◉	**A functionally identical permit unit replacement with no increase in rating or emissions?**
E	○	◉	**A change of daily VOC permit limit to a monthly VOC permit limit?**
F	○	◉	**Equipment damaged as a result of a disaster during state of emergency?**
G	○	◉	**A Title V** (i.e., Regulation XXX) **permit renewal (without equipment modifications)?**
H	○	◉	**A Title V administrative permit revision?**
I	○	◉	**The conversion of an existing permit into an initial Title V permit?**

If **"Yes"** is checked for any question above, your application does not require additional evaluation for CEQA applicability. Skip to page 2, "SIGNATURES" and sign and date this form

REVIEW OF IMPACTS WHICH MAY TRIGGER CEQA

Complete Sections I-VI by checking "Yes" or "No" as applicable. To avoid delays in processing your application(s), explain all "Yes" responses on a separate sheet and attach it to this form

	Yes	No	Section I – General
1	○	◉	**Has this project generated any known public controversy regarding potential adverse impacts that may be generated by the project?** Controversy may be construed as concerns raised by local groups at public meetings, adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc.
2	○	◉	**Is this project part of a larger project?**
			Section II – Air Quality
3	○	◉	**Will there be any demolition, excavating, and/or grading construction activities that encompass an area exceeding 20,000 square feet?**
4.	○	◉	**Does this project include the open outdoor storage of dry bulk solid materials that could generate dust?** If Yes, include a plot plan with the application package

[1] A "project" means the whole of an action which has a potential for resulting in physical change to the environment, including construction activities, clearing or grading of land, improvements to existing structures, and activities or equipment involving the issuance of a permit. For example, a project might include installation of a new, or modification of an existing internal combustion engine, dry cleaning facility, boiler, gas turbine, spray coating booth, solvent cleaning tank, etc.

[2] To download the CEQA guidelines, visit http://ceres.ca.gov/env_law/state.html

[3] To download this form and the instructions, visit http://www.aqmd.gov/ceqa or http://www.aqmd.gov/permit

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	Yes	No	
5.	○	◉	**Would this project result in noticeable off-site odors from activities that may not be subject to SCAQMD permit requirements?** For example, compost materials or other types of greenwaste (i e , lawn clippings, tree trimmings, etc.) have the potential to generate odor complaints subject to Rule 402 – Nuisance
6.	○	◉	**Does this project cause an increase of emissions from marine vessels, trains and/or airplanes?**
7	○	◉	**Will the proposed project increase the QUANTITY of hazardous materials stored aboveground onsite or transported by mobile vehicle to or from the site by greater than or equal to the amounts associated with each compound on the attached Table 1?[4]**
			Section III – Water Resources
8.	○	◉	**Will the project increase demand for water at the facility by more than 5,000,000 gallons per day?** The following examples identify some, but not all, types of projects that may result in a "yes" answer to this question 1) projects that generate steam, 2) projects that use water as part of the air pollution control equipment, 3) projects that require water as part of the production process, 4) projects that require new or expansion of existing sewage treatment facilities 5) projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project; and 6) projects that require new or expansion of existing water supply facilities.
9	○	◉	**Will the project require construction of new water conveyance infrastructure?** Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities such that the project requires new water lines, sewage lines, sewage hook-ups, etc.
			Section IV – Transportation/Circulation
10			**Will the project result in** (Check all that apply)
	○	◉	**a the need for more than 350 new employees?**
	○	◉	**b an increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round-trips per day?**
	○	◉	**c increase customer traffic by more than 700 visits per day?**
			Section V – Noise
11	○	◉	**Will the project include equipment that will generate noise GREATER THAN 90 decibels (dB) at the property line?**
			Section VI – Public Services
12			**Will the project create a permanent need for new or additional public services in any of the following areas** (Check all that apply)
	○	◉	**a Solid waste disposal?** Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day
	○	◉	**b Hazardous waste disposal?** Check "No" if the projected potential amount of hazardous wastes generated by the project is less than 42 cubic yards per day (or equivalent in pounds)

"REMINDER. For each "Yes" checked in the sections above, attach all pertinent information including but not limited to estimated quantities, volumes, weights, etc."

SIGNATURES

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THIS FORM IS A SCREENING TOOL AND THAT THE SCAQMD RESERVES THE RIGHT TO CONSIDER OTHER PERTINENT INFORMATION IN DETERMINING CEQA APPLICABILITY

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM	TITLE OF RESPONSIBLE OFFICIAL OF FIRM	
	Director, Environmental Affairs	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM	**RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER**	**DATE Signed**
Ronald Schultz	(832) 3533-432	03/10/2007
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM	**TITLE OF PREPARER.**	
	Consultant	
TYPE OR PRINT NAME OF PREPARER	**PREPARER'S TELEPHONE NUMBER**	**DATE Signed**
Jay Porter	(512) 7916-754	03/15/2007

THIS CONCLUDES FORM 400-CEQA. INCLUDE THIS FORM AND THE ATTACHMENTS WITH FORM 400-A.

[4] Table 1 – Regulated Substances List and Threshold Quantities for Accidental Release Prevention can be found in the Instructions for Form 400-CEQA

South Coast Air Quality Management District

FORM 400-E-13b

NON-EMERGENCY INTERNAL COMBUSTION ENGINE

Mail Application To
SCAQMD
P O Box 4944
Diamond Bar, CA 91765
Tel (909) 396-3385
www.aqmd.gov

This form must be accompanied by a completed Application for a Permit to Construct/Operate -Form 400A, Form CEQA, Plot Plan and Stack Form

Permit to be issued to (Business name of operator to appear on permit)

ExpressJet Airlines

Address where the equipment will be operated (for equipment which will be moved to various location in AQMD's jurisdiction, please list the initial location site)

Ontario Intl Airport - Avion Drive, Ontario, CA 91764 ◉ Fixed Location ○ Various Locations

Does Applicant hold a valid permit for Portable ICE under CA Statewide Portable Equipment Registration Program? ○ Yes ◉ No
If yes, ICE permit is not required from the South Coast Air Quality Management District.

SECTION A. EQUIPMENT INFORMATION

Internal Combustion Engine

Is the ICE an EPA Certified or Qualifying Non-Road Engine? ◉ Yes ○ No If yes, provide EPA Certificate No. 2CEXL0359ABA & attach copy

Manufacturer	Model No
Cummins	B5 9C
Serial No	**Date of Manufacture**
46274304	01/01/2002 (mm/dd/yyyy)
Manufacturer Maximum Rating	**Date of Installation**
200 00 BHP @ 2500 RPM	04/01/2007 (mm/dd/yyyy)

For an ICE manufactured after 7/18/94 please provide manufacturer's specification and guarantee

ICE Function (Check all that apply)

☐ Electrical Generator ☐ Fire Pump ☐ Compressor ☐ Co-Generation
☐ Flood Control ☐ Pump Driver ☒ Other (Specify) Air Start Unit

Type

○ Stationary ◉ Portable ☒ Intra-facility ☐ Off- Site ☐ Rental ☐ Non-Rental

Fuel

○ Natural Gas ○ LPG ○ Refinery Gas* ○ Digester Gas* ○ Landfill Gas*
◉ Diesel Oil No 2 ○ Other* _____

*If Digester Gas Landfill Gas Refinery Gas and/or Other are checked attach fuel analysis indicating higher heating value and sulfur content.

Stand-By Fuel

○ Natural Gas ○ LPG ○ Refinery Gas* ○ Digester Gas* ○ Landfill Gas*
◉ Diesel Oil No 2 ○ Other* _____

*If Digester Gas Landfill Gas, Refinery Gas, and/or Other are checked attach fuel analysis indicating higher heating value and sulfur content

Cycle Type

○ Two Cycle ◉ Four Cycle

Combustion Type

○ Lean Burn ○ Rich Burn

No of Cylinders

○ Four ◉ Six ○ Eight ○ Ten ○ Twelve ○ Sixteen ○ Other _____

Aspiration Type

○ Turbocharged ◉ Turbocharged/Aftercooled
○ Naturally Aspirated ☐ Timing Retarded ≥ 4° (relative to standard timing)

Air Pollution Control (if applicable)

○ Selective Catalytic Reduction (SCR)* ○ No Controls
○ Selective Non-catalytic Reduction (SNCR)* ○ Air Fuel Ratio Controller
○ Non-selective Catalytic Reduction (NSCR) ○ Other (specify) _____

* Separate application is required

Manufacturer	Model No

If already permitted, indicate Permit No _____ Device No _____

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SECTION B OPERATION INFORMATION

Fuel Consumption

Maximum Rated load 7 900 gal/hr OR _____ cu ft/hr | Average Load 7 900 gal/hr OR _____ cu ft/hr

Emissions Data

Pollutants	Maximum Emissions Before Control		Maximum Emissions After Control	
	Gm/Bhp-hr	PPM (15% O2)	Gm/Bhp-hr	PPM (15% O2)
ROG	0 350			
NOx	6 880			
CO	0 810			
PM	0 185			
SOx	0 000			

Emissions Reference (attach)

- ☐ Manufacturer's Guarantee
- ☐ Catalytic Manufacturer's Guarantee
- ☒ Source Test Data
- ☐ EPA Emission Factors
- ☐ Other (specify) _____

Operating Schedule

Normal	1 hours/day	5 days/week	20 weeks/yr
Maximum	2 hours/day	5 days/week	30 weeks/yr

SECTION C APPLICANT CERTIFICATION STATEMENT

I hereby certify that all information contained herein and information submitted with this application is true and correct.

SIGNATURE OF PREPARER	TITLE OF PREPARER	PREPARER'S TELEPHONE NUMBER	PREPARER'S E-MAIL ADDRESS
	Consultant	(512) 791-6754	AstralEHS@aol com

CONTACT PERSON FOR INFORMATION ON THIS EQUIPMENT	CONTACT PERSON'S TELEPHONE NUMBER	DATE SIGNED
Britt Hinkle	(361) 944-3040	
E-MAIL ADDRESS Britt Hinkle@expressjet.c	FAX NUMBER	03/10/2007

CONFIDENTIAL INFORMATION

Under the California Public Records Act, all information in your permit application will be considered a matter of public record and may be disclosed to a third party If you wish to keep certain items as confidential, please complete the following steps

(a) Make a copy of any page containing confidential information blanked out. Label this page "public copy"
(b) Label the original page "confidential" Circle all confidential items on the page
(c) Prepare a written justification for the confidentiality of each confidential item Append this to the confidential copy

© South Coast Air Quality Management District, Form 400-E 13b (2006 02)

Serial Number 46274304

South Coast Air Quality Management District

Form 400-A

Application For Permit To Construct and Permit To Operate

Mail Application To
P O Box 4944
Diamond Bar, CA 91765

Tel (909) 396-3385
www.aqmd.gov

Section A. Operator Information

1 Business Name of Operator To Appear On The Permit.
ExpressJet Airlines

2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD).

3. Owner's Business Name (only if different from Business Name of Operator)

Section B. Equipment Location

4 Equipment Location Address.
For equipment operated at various locations in AQMD's jurisdiction provide address of initial site

Ontario International Airport - 2475 Avion Drive
Street Address

Ontario — CA, 91761
City — State — Zip Code

County: ○ Los Angeles ○ Orange ◉ San Bernardino ○ Riverside

Contact Name Dave Staggs

Contact Title Regional Director, Maintenance Phone (832) 687-0328

Fax n/a E-Mail Dave Staggs@expresset com

Section C Permit Mailing Address

5. Permit and Correspondence Information.
☐ Check here if same as equipment location address

4750 World Houston Parkway, Suite 200
Street Address

Houston — TX — 77032
City — State — Zip Code

Contact Name Ronald Schultz

Contact Title Director, Environmental Affairs Phone (832) 353-3432

Fax (832) 353-3460 E-Mail Ronald Schultz@expressjet

Section D Application Type

The facility is in ○ RECLAIM ○ Title V ○ RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE):

- ○ New Construction (Permit to Construct)
- ○ Equipment Operating Without A Permit or Expired Permit*
- ○ Administrative Change
- ◉ Equipment On-Site But Not Constructed or Operational
- ○ Title V Application (Initial Revisions Modifications etc)
- ○ Compliance Plan
- ○ Facility Permit Amendment
- ○ Registration/Certification
- ○ Streamlined Standard Permit

- ○ Permitted Equipment Altered/ Modified Without Permit Approval*
- ○ Proposed Alteration/Modification to Permitted Equipment
- ○ Change of Condition For Permit To Operate
- ○ Change of Condition For Permit To Construct
- ○ Change of Location—Moving to New Site

Existing Or Previous Permit/Application Number
(If you checked any of the items in this column, you MUST provide a existing Permit/ Application Number)

* A Higher Permit Processing Fee applies to those items with an asterisk (Rule 301 (c) (1) (D)

7 Estimated Start Date of Operation/Construction (MM/DD/YYYY).
04/01/2007

8 Description of Equipment.
Hobart Ground Power Unit (GPU) used to power aircraft when engines are not running The unit is equipped with a 2003 110hp Cummins diesel fueled engine (model number B3 9C, serial number 46305201) The engine family certification is 2CEXL0239ACA The unit is equipped with air pollution controls

9 Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction? ◉ No ○ Yes

10 For identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each) 0

11 Are you a Small Business as per AQMD's Rule 102 definition? (10 employees or less and total gross receipts are $500 000 or less, or a not-for-profit training center?) ◉ No ○ Yes

12 Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment?
◉ No ○ Yes If yes, provide NOV/NC #

Section E Facility Business Information

13 What type of business is being conducted at this equipment location?
Commercial Passenger Airline

14 What is your businesses primary NAICS Code (North American Industrial Classification System)? 4512

15 Are there other facilities in the SCAQMD jurisdiction operated by the same operator? ○ No ◉ Yes

16. Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location? ◉ No ○ Yes

Section F Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application is true and correct.

17 Signature of Responsible Official

18 Title
Director, Environmental

19 Print Name
Ronald Schultz

20 Date
03/10/2007

Check List
- ☒ Form(s) signed and dated by authorized official
- ☒ Supplemental Equipment Form (400-E-XX or 400-E-GEN)
- ☒ CEQA Form (400-CEQA) attached
- ☒ Payment for permit processing fee attached

Your application will be rejected if any of the above items are missing

AQMD USE ONLY	APPLICATION/TRACKING # 466817	TYPE B C D	EQUIPMENT CATEGORY CODE	FEE SCHEDULE $	VALIDATION 3/23/07
ENG A R DATE	ENG A R DATE	CLASS I III IV	ASSIGNMENT Unit Engineer	CHECK/MONEY ORDER # 2717	AMOUNT $ 1695.47 Tracking # 59815

© South Coast Air Quality Management District, Form 400-A (2006 02)

recommend 4/5/07

S . . . M
ENGINE . . .

'07 MAR 23 P2 22

South Coast Air Quality Management District

Form 400-CEQA

California Environmental Quality Act (CEQA) Applicability

Mail Application To
P O Box 4944
Diamond Bar, CA 91765
Tel (909) 396-3385
www.aqmd.gov

The SCAQMD is required by state law, the California Environmental Quality Act (CEQA), to review discretionary permit project applications for potential air quality and other environmental impacts This form is a screening tool to assist the SCAQMD in clarifying whether or not the project[1] has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document [CEQA Guidelines §15060(a)][2] Refer to the attached instructions for guidance in completing this form [3] For each Form 400-A application, also complete and submit one Form 400-CEQA. If submitting multiple Form 400-A applications for the same project at the same time, only one 400-CEQA form is necessary for the entire project. If you need assistance completing this form, contact Lori Inga at (909) 396-3109

FACILITY INFORMATION

Business Name of Operator to Appear on the Permit:	Facility ID (6-Digit)
ExpressJet Airlines	

Project Description

Permit to operate a Hobart Ground Power Unit used as a power source to run aircraft when engines are off and there is no other power available

REVIEW FOR EXEMPTION FROM FURTHER CEQA ACTION

Check "Yes" or "No" as applicable

	Yes	No	Is this application for
A.	○	◉	**A CEQA and/or NEPA document previously or currently prepared that specifically evaluates this project?** If yes, a permit cannot be issued until a Final CEQA document and Notice of Determination is submitted
B	○	◉	**A request for a change of permittee only (without equipment modifications)?**
C	○	◉	**Equipment certification or equipment registration** (qualifies for Rule 222)?
D	○	◉	**A functionally identical permit unit replacement with no increase in rating or emissions?**
E	○	◉	**A change of daily VOC permit limit to a monthly VOC permit limit?**
F	○	◉	**Equipment damaged as a result of a disaster during state of emergency?**
G	○	◉	**A Title V** (i e Regulation XXX) **permit renewal (without equipment modifications)?**
H	○	◉	**A Title V administrative permit revision?**
I	○	◉	**The conversion of an existing permit into an initial Title V permit?**

If **"Yes"** is checked for any question above, your application does not require additional evaluation for CEQA applicability Skip to page 2, "SIGNATURES" and sign and date this form

REVIEW OF IMPACTS WHICH MAY TRIGGER CEQA

Complete Sections I-VI by checking "Yes" or "No" as applicable To avoid delays in processing your application(s) explain all "Yes" responses on a separate sheet and attach it to this form

	Yes	No	Section I – General
1	○	◉	**Has this project generated any known public controversy regarding potential adverse impacts that may be generated by the project?** Controversy may be construed as concerns raised by local groups at public meetings, adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc.
2	○	◉	**Is this project part of a larger project?**
			Section II – Air Quality
3	○	◉	**Will there be any demolition, excavating, and/or grading construction activities that encompass an area exceeding 20,000 square feet?**
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[1] A "project" means the whole of an action which has a potential for resulting in physical change to the environment, including construction activities, clearing or grading of land, improvements to existing structures, and activities or equipment involving the issuance of a permit For example, a project might include installation of a new, or modification of an existing internal combustion engine, dry-cleaning facility, boiler, gas turbine, spray coating booth, solvent cleaning tank, etc.
[2] To download the CEQA guidelines, visit http://ceres.ca.gov/env_law/state.html
[3] To download this form and the instructions, visit http://www.aqmd.gov/ceqa or http://www.aqmd.gov/permit

© South Coast Air Quality Management District, Form 400-CEQA (2006 02)

	Yes	No	
5	○	◉	**Would this project result in noticeable off-site odors from activities that may not be subject to SCAQMD permit requirements?** For example, compost materials or other types of greenwaste (i e , lawn clippings, tree trimmings, etc.) have the potential to generate odor complaints subject to Rule 402 – Nuisance
6	○	◉	**Does this project cause an increase of emissions from marine vessels, trains and/or airplanes?**
7	○	◉	**Will the proposed project increase the QUANTITY of hazardous materials stored aboveground onsite or transported by mobile vehicle to or from the site by greater than or equal to the amounts associated with each compound on the attached Table 1?[4]**
			Section III – Water Resources
8	○	◉	**Will the project increase demand for water at the facility by more than 5,000,000 gallons per day?** The following examples identify some, but not all, types of projects that may result in a "yes" answer to this question 1) projects that generate steam, 2) projects that use water as part of the air pollution control equipment; 3) projects that require water as part of the production process, 4) projects that require new or expansion of existing sewage treatment facilities, 5) projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project; and 6) projects that require new or expansion of existing water supply facilities.
9	○	◉	**Will the project require construction of new water conveyance infrastructure?** Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities such that the project requires new water lines, sewage lines, sewage hook-ups, etc
			Section IV – Transportation/Circulation
10			**Will the project result in** (Check all that apply)
	○	◉	**a the need for more than 350 new employees?**
	○	◉	**b an increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round-trips per day?**
	○	◉	**c Increase customer traffic by more than 700 visits per day?**
			Section V – Noise
11	○	◉	**Will the project include equipment that will generate noise GREATER THAN 90 decibels (dB) at the property line?**
			Section VI – Public Services
12			**Will the project create a permanent need for new or additional public services in any of the following areas** (Check all that apply)
	○	◉	**a Solid waste disposal?** Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day
	○	◉	**b Hazardous waste disposal?** Check "No" if the projected potential amount of hazardous wastes generated by the project is less than 42 cubic yards per day (or equivalent in pounds)

"REMINDER. *For each "Yes" checked in the sections above, attach all pertinent information including but not limited to estimated quantities, volumes, weights, etc* "

SIGNATURES

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THIS FORM IS A SCREENING TOOL AND THAT THE SCAQMD RESERVES THE RIGHT TO CONSIDER OTHER PERTINENT INFORMATION IN DETERMINING CEQA APPLICABILITY

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM	TITLE OF RESPONSIBLE OFFICIAL OF FIRM	
	Director, Environmental Affairs	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM	**RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER**	**DATE Signed**
Ronald Schultz	(832) 3533-432	03/10/2007
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM	**TITLE OF PREPARER**	
	Consultant	
TYPE OR PRINT NAME OF PREPARER.	**PREPARER'S TELEPHONE NUMBER.**	**DATE Signed:**
Jay Porter	(512) 7916-754	03/15/2007

THIS CONCLUDES FORM 400-CEQA INCLUDE THIS FORM AND THE ATTACHMENTS WITH FORM 400-A

[4] Table 1 – Regulated Substances List and Threshold Quantities for Accidental Release Prevention can be found in the Instructions for Form 400-CEQA

South Coast Air Quality Management District

FORM 400-E-13b

NON-EMERGENCY INTERNAL COMBUSTION ENGINE

Mail Application To
SCAQMD
P O Box 4944
Diamond Bar, CA 91765
Tel (909) 396-3385
www.aqmd.gov

This form must be accompanied by a completed Application for a Permit to Construct/Operate -Form 400A, Form CEQA, Plot Plan and Stack Form

Permit to be issued to (Business name of operator to appear on permit)

ExpressJet Airlines

Address where the equipment will be operated (for equipment which will be moved to various location in AQMD's jurisdiction, please list the initial location site)

Ontario Intl Airport - Avion Drive, Ontario, CA 91764 ◉ Fixed Location ○ Various Locations

Does Applicant hold a valid permit for Portable ICE under CA Statewide Portable Equipment Registration Program? ○ Yes ◉ No
If yes, ICE permit is not required from the South Coast Air Quality Management District.

SECTION A EQUIPMENT INFORMATION

Internal Combustion Engine

Is the ICE an EPA Certified or Qualifying Non-Road Engine? ◉ Yes ○ No If yes, provide EPA Certificate No 2CEXL0239ACA & attach copy

Manufacturer	Model No
Cummins	B3 9-C
Serial No	**Date of Manufacture**
46305012	01/01/2003 (mm/dd/yyyy)
Manufacturer Maximum Rating	**Date of Installation**
125 00 BHP @ 2200 RPM	04/01/2007 (mm/dd/yyyy)

For an ICE manufactured after 7/18/94, please provide manufacturer's specification and guarantee

ICE Function (Check all that apply)

☐ Electrical Generator ☐ Fire Pump ☐ Compressor ☐ Co-Generation
☐ Flood Control ☐ Pump Driver ☒ Other (Specify) Air Start Unit

Type

○ Stationary ◉ Portable ☒ Intra-facility ☐ Off- Site ☐ Rental ☐ Non-Rental

Fuel

○ Natural Gas ○ LPG ○ Refinery Gas* ○ Digester Gas* ○ Landfill Gas*
◉ Diesel Oil No 2 ○ Other*

*If Digester Gas Landfill Gas Refinery Gas and/or Other are checked attach fuel analysis indicating higher heating value and sulfur content.

Stand-By Fuel

○ Natural Gas ○ LPG ○ Refinery Gas* ○ Digester Gas* ○ Landfill Gas*
◉ Diesel Oil No 2 ○ Other*

*If Digester Gas Landfill Gas Refinery Gas and/or Other are checked, attach fuel analysis indicating higher heating value and sulfur content.

Cycle Type

○ Two Cycle ◉ Four Cycle

Combustion Type

○ Lean Burn ○ Rich Burn

No of Cylinders

◉ Four ~~◉ Six~~ ○ Eight ○ Ten ○ Twelve ○ Sixteen ○ Other

Aspiration Type

○ Turbocharged ◉ Turbocharged/Aftercooled
○ Naturally Aspirated ☐ Timing Retarded ≥ 4° (relative to standard timing)

Air Pollution Control (if applicable)

○ Selective Catalytic Reduction (SCR)* ○ No Controls
○ Selective Non-catalytic Reduction (SNCR)* ○ Air Fuel Ratio Controller
○ Non-selective Catalytic Reduction (NSCR) ○ Other (specify)

* Separate application is required

Manufacturer	Model No

If already permitted, indicate Permit No _____ Device No. _____

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SECTION B OPERATION INFORMATION

Fuel Consumption

Maximum Rated load 5 500 gal./hr OR _____ cu ft./hr | Average Load 5 500 gal./hr OR _____ cu ft./hr

Emissions Data

Pollutants	Maximum Emissions Before Control		Maximum Emissions After Control	
	Gm/Bhp-hr	PPM (15% O2)	Gm/Bhp-hr	PPM (15% O2)
ROG	0 310			
NOx	8 330			
CO	0 630			
PM	0 115			
SOx	0 000			

Emissions Reference (attach)

- [X] Manufacturer's Guarantee
- [ ] Catalytic Manufacturer's Guarantee
- [ ] Source Test Data
- [ ] EPA Emission Factors
- [ ] Other (specify) _____

Operating Schedule

Normal	1 hours/day	5 days/week	20 weeks/yr
Maximum	2 hours/day	5 days/week	52 weeks/yr

SECTION C APPLICANT CERTIFICATION STATEMENT

I hereby certify that all information contained herein and information submitted with this application is true and correct.

SIGNATURE OF PREPARER	TITLE OF PREPARER	PREPARER'S TELEPHONE NUMBER
	Consultant	(512) 791-6754
		PREPARER'S E-MAIL ADDRESS: AstralEHS@aol com

CONTACT PERSON FOR INFORMATION ON THIS EQUIPMENT	CONTACT PERSON'S TELEPHONE NUMBER	DATE SIGNED
Dave Staggs	(832) 687-0328	
E-MAIL ADDRESS Dave Staggs@expressjet co	FAX NUMBER	03/15/2007

CONFIDENTIAL INFORMATION

Under the California Public Records Act, all information in your permit application will be considered a matter of public record and may be disclosed to a third party. If you wish to keep certain items as confidential, please complete the following steps:

(a) Make a copy of any page containing confidential information blanked out. Label this page "public copy."
(b) Label the original page "confidential." Circle all confidential items on the page.
(c) Prepare a written justification for the confidentiality of each confidential item. Append this to the confidential copy.

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Serial Number 4630501

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

COPY

CO.ID. 0 1 1 7 2 6

IF YOU HAVE AN EXISTING PERMIT ENTER ID NUMBER-IF NO PERMIT LEAVE BLANK

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY) 11726

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 E. Avion Street | Ontario | CA | 2B. 91761
NUMBER STREET | CITY OR COMMUNITY | STATE | ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
same | 3B.
NUMBER STREET | CITY OR COMMUNITY | ZIP | NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
D.W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Instapak Foam-In-Place Packaging System

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NAME | PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- REINSTATE NON-PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☒
- CHANGE OF CONDITIONS ☐

8. TYPE OF ORGANIZATION
- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T. AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 2,000
AIR POLLUTION CONTROL EQUIPMENT $

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? ESTIMATED COMPLETION DATE?

11. GENERAL NATURE OF BUSINESS
Aircraft engine maintenance

12. PRINCIPAL PRODUCT
Aircraft engine maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 16
DAYS/WEEK 6
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☒

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
M A Donohue

17. OFFICIAL TITLE OF SIGNER
General Manager

18. TYPED OR PRINTED NAME OF SIGNER
M. Donohue

19. PHONE NO.
(714) 986-6731

20. DATE
11/17/89

SCAQMD USE

SIC NO. | EQUIP CAT NO. 29950 | SCH/STP 8A

APPLICATION NO. 217256 | PERMIT NO. | TYPE (B OR C) | WORK UNITS A/C P/O | ASSIGNMENT UNIT 9 ENGR | CLASS I II III IV

VALIDATION 11-28-89 | FILING FEE $ 250.00 | CHECK OR MONEY ORDER NUMBER 137

Form 400A

PRIOR VERSIONS NOT VALID

(Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

89399-02

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

COPY

CO.ID. 01726 — FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

IF YOU HAVE AN EXISTING PERMIT ENTER ID NUMBER-IF NO PERMIT LEAVE BLANK

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY): 11726

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 East Avion Street, Ontario, California
NUMBER STREET CITY OR COMMUNITY STATE

2B. ZIP CODE: 91761

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
1923 East Avion Street, Ontario, California 91761
NUMBER STREET CITY OR COMMUNITY ZIP

3B. NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
David W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Plastic blast cabinet

IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER

NAME _____ PREVIOUS PERMIT NUMBER _____

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- Research & Evaluation ☒
- REINSTATE NON-PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☐
- CHANGE OF CONDITIONS ☐

8. TYPE OF ORGANIZATION
- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T. AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 10,000
AIR POLLUTION CONTROL EQUIPMENT $ 5,000

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? 1/1/90 ESTIMATED COMPLETION DATE? 1/15/90

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 8
DAYS/WEEK 5
WEEKS/YEAR 50

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☒

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
M P Donohue

17. OFFICIAL TITLE OF SIGNER
General Manager

18. TYPED OR PRINTED NAME OF SIGNER
M.A. Donohue

19. PHONE NO.
(714) 986-6731

20. DATE
11/17/89

SCAQMD USE

SIC NO. | EQUIP CAT NO. 29560 | SCAQTP 8R

APPLICATION NO. 218446 | PERMIT NO. | TYPE B OR C 0 | WORK UNITS A/C P/O | ASSIGNMENT UNIT 9 ENGR | CLASS I III IV

VALIDATION | FILING FEE $ 11-28-89 500.00 | CHECK OR MONEY ORDER NUMBER 755447

Form 400A PRIOR VERSIONS NOT VALID

(Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

89399-02

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

COLTON

MB

CO.ID. 01726

IF YOU HAVE AN EXISTING PERMIT ENTER ID NUMBER-IF NO PERMIT LEAVE BLANK

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | 11726 ID NUMBER (FOR NEW CO. ONLY)

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 East Avion Street, Ontario, California
NUMBER STREET CITY OR COMMUNITY STATE

2B. 91761 ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
1923 East Avion Street, Ontario, Calif. 91761
NUMBER STREET CITY OR COMMUNITY ZIP

3B. Vineyard & Mission Boulevard
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
David W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Bag filter for grit blast cabinet

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
General Electric Company
NAME

E03296
PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☒
- CHANGE OF LOCATION ☐
- REINSTATE NON-PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☐
- CHANGE OF CONDITIONS ☐

8. TYPE OF ORGANIZATION
- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T. AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 10,000
AIR POLLUTION CONTROL EQUIPMENT $ 5,000

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? As soon as the permit is issued.
ESTIMATED COMPLETION DATE? 2 weeks after the permit is issued.

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 8
DAYS/WEEK 5
WEEKS/YEAR 50

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☒

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
M A Donohue

17. OFFICIAL TITLE OF SIGNER
General Manager

18. TYPED OR PRINTED NAME OF SIGNER
M.A. Donohue

19. PHONE NO.
(714) 986-6731

20. DATE
11/17/89

SCAQMD USE

SIC NO.
EQUIP CAT NO. 299560 - -
SCH/SEP 8A
APPLICATION NO. 218447
PERMIT NO.
TYPE B OR C
WORK UNITS A/C P/O
ASSIGNMENT UNIT 89 ENGR
CLASS (I) III IV
VALIDATION 11-28-89
FILING FEE $ 500.00
CHECK OR MONEY ORDER NUMBER 75544b 2of2

Form 400A PRIOR VERSIONS NOT VALID

(Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

89399-02

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

CO.ID. 01726

IF YOU HAVE AN EXISTING PERMIT ENTER ID NUMBER-IF NO PERMIT LEAVE BLANK

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY) 11726 (P)

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 East Avion Street, Ontario, California
NUMBER STREET CITY OR COMMUNITY STATE

2B. 91761
ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
1923 East Avion Street, Ontario, California 91761
NUMBER STREET CITY OR COMMUNITY ZIP

3B.
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
David W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Bag filter for plastic blast cabinet

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER

NAME PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- REINSTATE-NON-PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☐
- CHANGE OF CONDITIONS ☐
- Research & Evaluation ☒

8. TYPE OF ORGANIZATION
- CORPORATION ☐
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T. AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 10,000
AIR POLLUTION CONTROL EQUIPMENT $ 5,000

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? 1/1/90 ESTIMATED COMPLETION DATE? 1/15/90

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☐
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 8
DAYS/WEEK 5
WEEKS/YEAR 50

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☒

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
M A Donohue

17. OFFICIAL TITLE OF SIGNER
General Manager

18. TYPED OR PRINTED NAME OF SIGNER
M.A. Donohue

19. PHONE NO.
(714) 986-6731

20. DATE
11/17/89

SCAQMD USE

SIC NO. | EQUIP CAT NO. 29560 | SCHAST# 8A

APPLICATION NO. 218449 | PERMIT NO. | TYPE B OR C | WORK UNITS A/C P/O | ASSIGNMENT UNIT 9 ENGR | CLASS I III IV

VALIDATION 11-28-89 | FILING FEE $ 560.00 | CHECK OR MONEY ORDER NUMBER 755446

Form 400A PRIOR VERSIONS NOT VALID (Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

89399-02

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

CO.ID. 01726

IF YOU HAVE AN EXISTING PERMIT ENTER ID NUMBER-IF NO PERMIT LEAVE BLANK

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY): 11726

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 East Avion Street, Ontario, California
NUMBER STREET CITY OR COMMUNITY STATE

2B. 91761
ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
1923 East Avion Street Ontario, Calif. 91761
NUMBER STREET CITY OR COMMUNITY ZIP

3B. Vineyard Avenue & Mission Blvd.
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
David W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
~~Grit~~ Blast Cabinet

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
General Electric Company (NAME)
E03295 (PREVIOUS PERMIT NUMBER)

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☒
- CHANGE OF LOCATION ☐
- REINSTATE NON-PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☐
- CHANGE OF CONDITIONS ☐

8. TYPE OF ORGANIZATION
- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T. AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 10,000
AIR POLLUTION CONTROL EQUIPMENT $ 5,000

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? As soon as the permit is issued.
ESTIMATED COMPLETION DATE? 2 weeks after the permit is issued.

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 8
DAYS/WEEK 5
WEEKS/YEAR 50

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☒

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES? YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
M.A. Donohue

17. OFFICIAL TITLE OF SIGNER
General Manager

18. TYPED OR PRINTED NAME OF SIGNER
M.A. Donohue

19. PHONE NO.
(714) 986-6731

20. DATE
11/17/89

SCAQMD USE

SIC NO. | EQUIP CAT NO. 29956Q/__ | SCHSTP 87

APPLICATION NO. 218450 | PERMIT NO. | TYPE (B OR C) | WORK UNITS A/C P/O | ASSIGNMENT UNIT 09 ENGR | CLASS I III IV

VALIDATION 11-28-89 | FILING FEE $ 500.00 | CHECK OR MONEY ORDER NUMBER 75546

Form 400A PRIOR VERSIONS NOT VALID

1 of 2 (Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

89399-02

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9[illegible]0 Flair Drive El Monte, CA [illegible]731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
GENERAL ELECTRIC COMPANY
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER: 11726

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 East Avion Street (NUMBER STREET) | Ontario (CITY OR COMMUNITY) | CA (STATE)

2B. 91761 (ZIP CODE)

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
1923 East Avion Place (NUMBER STREET) | Ontario (CITY OR COMMUNITY) | 91761 (ZIP)

3B. Vineyard Ave. & Mission Blvd. (NEAREST INTERSECTING STREET)

4A. CONTACT PERSON (INITIAL & NAME)
B. P. O'LEARY

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
SURFACE PREPARATION TANKS

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NAME | PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- REINSTATE NON-PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☒
- CHANGE OF CONDITIONS ☐

8. TYPE OF ORGANIZATION
- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T. AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ _____ AIR POLLUTION CONTROL EQUIPMENT $ _____

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAYS/WEEK 7
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☒

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
Brian P. O'Leary

17. OFFICIAL TITLE OF SIGNER
Mgr. Environmental Quality & Safety (acting)

18. TYPED OR PRINTED NAME OF SIGNER
BRIAN P. O'LEARY

19. PHONE NO.
714-391-5424

20. DATE
6/2/89

SCAQMD USE

SIC NO. | EQUIP CAT NO. 000321 / | SCH/STP 7A | JUN 22 1989

APPLICATION NO. 20143 | PERMIT NO. | TYPE (B OR C) | WORK UNITS A/C P/O | ASSIGNMENT UNIT 13 ENGR | CLASS I (III) IV

VALIDATION: JUN 2 1989

FILING FEE: 375.00 375.00

CHECK OR MONEY ORDER NUMBER: 74943 6-37 06/02/89

Form 400A — PRIOR VERSIONS NOT VALID — (Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

89399-02

48 7

Accept WKS RCS

OK Jpf

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

APCD USE: 2-3 | 4-5 | 6-12 (SIC | TS | ID NUMBER)

1A. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B. NONE
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: ONTARIO INT'AL AIRPORT, ONTARIO, CA
NUMBER STREET CITY OR COMMUNITY STATE

2B. 91761 ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): SAME
NUMBER STREET CITY OR COMMUNITY ZIP CODE

3B. VINEYARD AVE
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIALS & NAME): S.H. SHOFF

4B. CONTACT PHONE NO. (AREA & NO.): (714) 986-6731 EXT 204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT: 40,000 CFM FUME COLLECTION AND EXHAUST SCRUBBER SYSTEM

5B. PRIMARY AIR POLLUTION CONTROL EQUIP.

5C. SECONDARY AIR POLLUTION CONTROL EQUIP.

5D. BOILER OPERATING CAPACITY ____ (THOUSANDS OF BTU/HR.) % BOILER STEAM USED FOR SPACE HEAT ____

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NAME: NONE PREVIOUS PERMIT NUMBER: NONE

7. PERMIT APPLICATION: 13
- NEW CONSTRUCTION [X] 1
- ALTERATION [ ] 2
- CHANGE OF LOCATION [ ] 3
- CHANGE OF OWNERSHIP [ ] 4

8. TYPE OF ORGANIZATION: 14
- CORPORATION [X] 1
- PARTNERSHIP [ ] 2
- INDIVIDUAL OWNER [ ] 3
- LOCAL GOV'T. AGENCY [ ] 4
- STATE AGENCY [ ] 5
- FEDERAL AGENCY [ ] 6
- UTILITY [ ] 7

9. NO. OF EMPLOYEES AT THIS LOCATION: 470 (15-18)

10. AREA OF: 16.0 ACRES TO TENTHS

11. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ #60,000 (25-31) AIR POLLUTION CONTROL EQUIPMENT $ ____ (32-38) ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ ____ (39-45)

12. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? ____ ESTIMATED COMPLETION DATE? ____

13. GENERAL NATURE OF BUSINESS: JET ENGINE REPAIR SHOP

14. PRINCIPAL PRODUCT: SERVICE (46-55)

15. % ANNUAL THROUGHPUT BY QUARTERS:

DEC-FEB	MAR-MAY	JUN-AUG	SEP-NOV
25 % (56-57)	25 % (58-59)	25 % (60-61)	25 % (62-63)

15A. DO YOU CLAIM CONFIDENTIALITY OF DATA? 64
YES [ ] 1 NO [X] 2
IF YES, STATE NATURE OF DATA IN ITEM 23.

16. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT: (65-70)
HOURS/DAY 24
DAYS/WEEK 7
WEEKS/YEAR 50

17. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Melton Sutton

19. OFFICIAL TITLE OF SIGNER: FACILITIES ENGR

18. TYPED OR PRINTED NAME OF SIGNER: MELTON SUTTON

20. PHONE NO. (714) 986-6731

21. DATE 15 MAR 79

APCD USE ONLY

STATE: 13-14 CS | COUNTY: 4200 LA, 5440 OR, 6420 RIV, (6700) SB (15-18) | AQCR: (24) SCAB, 33 SED (19-20) | CITY: 5380 (21-24) | NEDS I.D. NO: 25-28 | DATE: 4-27-79 (29-33)

C.B.: (005) SCB, 011 SCD (34-36) | L.C.: [OMIT] (37-38) | SIC: 4582 (39-42) | IPP: 43-44 | ST. LIST NO.: 45-49 | ALPHA LIST NO.: 50-57 | EQUIP. CAT. NO.: 000208 40C (58-65)

APPLICATION NO.: 00721 E (13-18) | PERMIT NO.: E03290 (19-24) | TYPE: B OR (P) (25) | WORK UNITS: (0) C/O P/O (26-29) | ASSIGNMENT: (1) UNIT ENGR (30-31) | CLASS: (1) I III S (32)

VALIDATION: SCAQMD029 50000a 827R (33-37) (111)

FILING FEE: $50.00 (38-41) | CHECK OR MONEY ORDER NO.: 268860 (42-49)

PERMIT FEE: $500.00 (50-53) | CHECK OR MONEY ORDER NO.: 299789 (54-61)

ARF-150.00

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

22. SUPPLEMENTARY INFORMATION FOR EACH STACK OR EMISSION POINT:

STACK NO.	(a) HEIGHT	(b) DIAMETER	(c) TEMP.	(d) FLOW RATE	(e) VELOCITY
1	≈ 25 Ft	36 IN			
2					
3					

(IF MORE THAN 3, LIST ON A SEPARATE SHEET)

(a) HEIGHT - DISTANCE ABOVE GROUND LEVEL TO DISCHARGE POINT, FEET.
(b) DIAMETER OF DISCHARGE POINT TO NEAREST TENTH FOOT. NOTE: IF NOT CIRCULAR INSERT DIAMETER OF EQUIVALENT CIRCULAR AREA. USING A MEASURED OR ESTIMATED CROSS-SECTIONAL AREA (A, IN SQUARE FEET), THE EQUIVALENT DIAMETER (D_e, IN FEET) MAY BE CALCULATED:

$$D_e = 1.128 \sqrt{A}$$

(c) TEMPERATURE AT DISCHARGE POINT IN °F, ACTUAL OR ESTIMATED TO NEAREST 50°F.
(d) FLOW RATE AT DISCHARGE POINT IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
(e) VELOCITY OF DISCHARGE IN FT/SEC, DESIGN OR MEASURED RATE.

23. REMARKS

IF YOU WISH TO SPECIFY PROCESS INFORMATION AS PROPRIETARY OR CONFIDENTIAL, SPACE IS PROVIDED FOR THIS PURPOSE. HOWEVER, THE KINDS AND RATES OF EMISSIONS MAY NOT BE HELD CONFIDENTIAL. BY STATE LAW EMISSIONS ARE SUBJECT TO PUBLIC DISCLOSURE.

Accept WMS RCS

OK JMF

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

APCD USE: 2-3 | 4-5 | 6-12 (SEC | TS | ID NUMBER)

1A. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B. NONE
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: ONTARIO INTÁL AIRPORT, ONTARIO, CA
NUMBER STREET CITY OR COMMUNITY STATE

2B. 91761 ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): SAME
NUMBER STREET CITY OR COMMUNITY ZIP CODE

3B. VINEYARD AVE
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIALS & NAME): S.H. SHOFF

4B. CONTACT PHONE NO. (AREA & NO.): (714) 986-6731 EXT 204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:
I.C.M. 4800 SUPERHOUSE STYLE III GRIT-BLAST CLEANING MACHINES
Abrasive Blast Cabinet #1

5B. PRIMARY AIR POLLUTION CONTROL EQUIP.: DUST COLLECTORS

5C. SECONDARY AIR POLLUTION CONTROL EQUIP.: —

5D. BOILER OPERATING CAPACITY: — (THOUSANDS OF BTU/HR.) % BOILER STEAM USED FOR SPACE HEAT: —

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NAME: NONE
PREVIOUS PERMIT NUMBER: NONE

7. PERMIT APPLICATION: 13
- NEW CONSTRUCTION [X] 1
- ALTERATION [ ] 2
- CHANGE OF LOCATION [ ] 3
- CHANGE OF OWNERSHIP [ ] 4

8. TYPE OF ORGANIZATION: 14
- CORPORATION [X] 1
- PARTNERSHIP [ ] 2
- INDIVIDUAL OWNER [ ] 3
- LOCAL GOV'T. AGENCY [ ] 4
- STATE AGENCY [ ] 5
- FEDERAL AGENCY [ ] 6
- UTILITY [ ] 7

9. NO. OF EMPLOYEES AT THIS LOCATION: 470 (15-18)

10. AREA OF: 16.0 ACRES TO TENTHS

11. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ ≈8,000 (25-31)
AIR POLLUTION CONTROL EQUIPMENT $ ≈2,300 (32-38)
ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ UNKNOWN (39-45)

12. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

13. GENERAL NATURE OF BUSINESS: JET ENGINE REPAIR SHOP

14. PRINCIPAL PRODUCT: SERVICE-JET ENGINES (46-55)

15. % ANNUAL THROUGHPUT BY QUARTERS:

DEC-FEB	MAR-MAY	JUN-AUG	SEP-NOV
25 % (56-57)	25 % (58-59)	25 % (60-61)	25 % (62-63)

15A. DO YOU CLAIM CONFIDENTIALITY OF DATA? (64)
YES [ ] 1
NO [X] 2
IF YES, STATE NATURE OF DATA IN ITEM 23.

16. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT: (65-70)
HOURS/DAY 5
DAYS/WEEK 6
WEEKS/YEAR 50

17. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Delton Sutton

19. OFFICIAL TITLE OF SIGNER: FACILITIES ENGINEER

18. TYPED OR PRINTED NAME OF SIGNER: DELTON SUTTON

20. PHONE NO.: (714) 986-6731

21. DATE: 13 MAR 79

APCD USE ONLY

STATE: 05 (13-14)	COUNTY: 4200 LA, 5440 OR, 6420 RIV, (670) SB (15-18)	ADCR: 4 SCAB, 33 SCED (19-20)	CITY: 5380 (21-24)	NEDS I.D. NO: (25-28)	DATE: 4-27-79 (29-33)		
C.R.: 008 SCB, 011 SCD (34-36)	L.C.: (OMIT) (37-38)	SIC: 4582 (39-42)	IPP (43-44)	ST. LIST NO. (45-49)	ALPHA LIST NO. (50-57)	EQUIP. CAT. NO.: 00028421B (58-65)	
APPLICATION NO.: 00722E (13-18)	PERMIT NO.: E03291 (19-24)	TYPE: (0) OR C (25)	WORK UNITS: 3 A/C, 5 P/O (26-29)	ASSIGNMENT: RES UNIT, ENGR (30-31)	CLASS: 0 (32)		
VALIDATION: CAQMD030 (33-37) (111)	5000Da 8272	FILING FEE: $50.00 (38-41)	CHECK OR MONEY ORDER NO.: 268860 (42-49)				
		PERMIT FEE: $50.00 (50-53)	CHECK OR MONEY ORDER NO.: 299789 (54-61)				

Form 400A – REVISED 12-1-76. PRIOR VERSIONS NOT VALID

30.00

(Continued on reverse)

Acct 4 WKS RCS

OK JPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

APCD USE: 2-3 | 4-5 | 6-12 (SEC | TS | ID NUMBER)

1A. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B. NOVE
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: ONTARIO INT'AL AIRPORT, ONTARIO, CA
NUMBER STREET CITY OR COMMUNITY STATE

2B. 91761
ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): SAME
NUMBER STREET CITY OR COMMUNITY ZIP CODE

3B. VINEYARD AVE
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIALS & NAME): S. H. SHOFF

4B. CONTACT PHONE NO. (AREA & NO.): (714) 986-6731 EXT 204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:
I.C.M. MODEL SS 400-E DUST COLLECTOR #1

5B. PRIMARY AIR POLLUTION CONTROL EQUIP.

5C. SECONDARY AIR POLLUTION CONTROL EQUIP.

5D. BOILER OPERATING CAPACITY — (THOUSANDS OF BTU/HR.) % BOILER STEAM USED FOR SPACE HEAT —

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NAME: NOVE — PREVIOUS PERMIT NUMBER: NOVE

7. PERMIT APPLICATION: 13
- NEW CONSTRUCTION [X] 1
- ALTERATION [ ] 2
- CHANGE OF LOCATION [ ] 3
- CHANGE OF OWNERSHIP [ ] 4

8. TYPE OF ORGANIZATION: 14
- CORPORATION [X] 1
- PARTNERSHIP [ ] 2
- INDIVIDUAL OWNER [ ] 3
- LOCAL GOV'T. AGENCY [ ] 4
- STATE AGENCY [ ] 5
- FEDERAL AGENCY [ ] 6
- UTILITY [ ] 7

9. NO. OF EMPLOYEES AT THIS LOCATION: 470 (15-18)

10. AREA OF: 16.0 ACRES TO TENTHS

11. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ ≈2,300 (25-31) AIR POLLUTION CONTROL EQUIPMENT $ — (32-38) ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ UNKNOWN (39-45)

12. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? — ESTIMATED COMPLETION DATE? —

13. GENERAL NATURE OF BUSINESS: JET ENGINE REPAIR SHOP

14. PRINCIPAL PRODUCT: SERVICE (46-55)

15. % ANNUAL THROUGHPUT BY QUARTERS:
DEC-FEB 25 % (56-57) | MAR-MAY 25 % (58-59) | JUN-AUG 25 % (60-61) | SEP-NOV 25 % (62-63)

15A. DO YOU CLAIM CONFIDENTIALITY OF DATA? (64)
YES [ ] 1
NO [X] 2
IF YES, STATE NATURE OF DATA IN ITEM 23.

16. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT: (65-70)
HOURS/DAY 5
DAYS/WEEK 6
WEEKS/YEAR 50

17. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Delton Sutton

19. OFFICIAL TITLE OF SIGNER: FACILITIES ENGINEER

18. TYPED OR PRINTED NAME OF SIGNER: DELTON SUTTON

20. PHONE NO.: (714) 986-6731

21. DATE: 13 MAR 79

APCD USE ONLY

STATE: 05 (13-14) | COUNTY: 4200 LA, 5440 OR, 6420 RIV, (6709 SB) (15-18) | AQCR: 24 SCAB, 33 SED (19-20) | CITY: 5380 (21-24) | NEDS I.D. NO. (25-28) | DATE: 4-27-79 (29-33)

C.R.: 001 SCB, 011 SCD (34-36) | L.C.: (OMIT) (37-38) | SIC: 4582 (39-42) | IPP (43-44) | ST. LIST NO. (45-49) | ALPHA LIST NO. (50-57) | EQUIP. CAT. NO.: 0002842 K (58-65)

APPLICATION NO.: 00723E (13-18) | PERMIT NO.: E03292 (19-24) | TYPE: 8 OR (5) (25) | WORK UNITS: 10 (26-29) | ASSIGNMENT: UNIT 265, ENGR (30-31) | CLASS: 1 II III 3 (32)

VALIDATION: SCAQMD031 (33-37) (III) | FILING FEE: 50.00 (38-41) | CHECK OR MONEY ORDER NO.: 268860 (42-49)

50000a 827R

PERMIT FEE: $ 50.00 (50-53) | CHECK OR MONEY ORDER NO.: 299789 (54-61)

ARF-30.00

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive, El Monte, CA 9173[illegible]

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPER[illegible]
REQUIRED BY THE EXECUTIVE OFFICER

COLTEC

WHITE-ENGINEERING
YELLOW-FILE
PINK-ENFORCEMENT

CO. ID.

IF YOU HAVE AN EXISTING ID. ENTER ID NUMBER: IF NO ID. LEAVE BLANK

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY): 011726

1B.
General Electric Company
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 East Avion Street | Ontario | California | 91761
NUMBER STREET | CITY OR COMMUNITY | STATE | ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
Same | Vineyard & Mission
NUMBER STREET | CITY OR COMMUNITY | ZIP | NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
David W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
(714 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
ICM 8' x 8' x 8' Blast Room (Model #C10651)

6. IF THE EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
N/A — NAME
N/A — PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION [X]
- ALTERATION [ ]
- CHANGE OF LOCATION [ ]
- REINSTATE NON-PAYMENT P/O [ ]
- FEES DUE [ ]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [ ]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATIONS
BASIC EQUIPMENT $ 20,000.00
AIR POLLUTION CONTROL EQUIPMENT $ 30,000.00

10. FOR NEW CONSTRUCTION, ALTERNATION, TRANSFER OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? 8-1-90
ESTIMATED COMPLETED DATE? 8-7-90

11. GENERAL NATURE OF BUSINESS
Aircraft Engine

12. PRINCIPAL PRODUCT
Jet Engine Overhaul

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 12
DAY/WEEK 6
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT?
YES [ ] NO [X]
15A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
M.A. Donohue

17. OFFICIAL TITLE OF SIGNER
Service General Manager

18. TYPED OR PRINTED NAME OF SIGNER
M.A. Donohue

19. PHONE NO.

20. DATE 7-16-90

SCAQMD USE

SIC NO.	EQUIP. CAT NO.	SCH/STP
	000284	B

APPLICATION NO.	PERMIT NO.	TYPE B OR C	WORK UNITS A/C	WORK UNITS P/O	ASSIGNMENT UNIT	ASSIGNMENT ENGR	CLASS I / III / IV
235482		B			09	MB	II

VALIDATION	FILING FEE $	CHECK OR MONEY ORDER NUMBER
8/9/90 GF	660	27926

SENT TO DATA/ID	RET. FROM DATA	SENT TO C/S	RET. FROM C/S	SENT TO	SENT TO	PYMT. PSTD. & APPL.	FIN. APPL. TO DATA

FORM 400A
89390-04

SMALL BUSINESS DECLARATION ON REVERSE SIDE

12/89

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive, El Monte, CA 91731

COLOR

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
REQUIRED BY THE EXECUTIVE OFFICER

CO. ID.

IF YOU HAVE AN EXISTING ID, ENTER ID NUMBER. IF NO ID, LEAVE BLANK

WHITE ENGINEERING
YELLOW FILE
PINK ENFORCEMENT

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY)
011726

1B.
General Electric Company
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 East Avion Street | Ontario | California | 91761
NUMBER STREET | CITY OR COMMUNITY | STATE | ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
Same
NUMBER STREET | CITY OR COMMUNITY | ZIP | NEAREST INTERSECTING STREET
Vineyard & Mission

4A. CONTACT PERSON (INITIAL & NAME)
David W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
* Air polution equipment for ICM 8'x8'x8' blast room (Model #C10651)

6. IF THE EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
N/A
NAME
N/A
PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
REINSTATE NON PAYMENT P/O
NEW CONSTRUCTION [X]
ALTERATION [ ]
CHANGE OF LOCATION [ ]
FEES DUE [ ]
CHANGE OF OWNERSHIP [ ]
EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [ ]
CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
CORPORATION [X]
PARTNERSHIP [ ]
INDIVIDUAL OWNER [ ]
LOCAL GOV'T AGENCY [ ]
STATE AGENCY [ ]
FEDERAL AGENCY [ ]
UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATIONS
BASIC EQUIPMENT $ 0
AIR POLLUTION CONTROL EQUIPMENT $ 30,000

10. FOR NEW CONSTRUCTION, ALTERNATION, TRANSFER OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? 8-1-90
ESTIMATED COMPLETED DATE? 8-7-90

11. GENERAL NATURE OF BUSINESS
Aircraft Engine

12. PRINCIPAL PRODUCT
Jet Engine Overhaul

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 12
DAY/WEEK 6
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT?
YES [ ] NO [X]
15A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
M.A. Donohue

17. OFFICIAL TITLE OF SIGNER
Service General Manager

18. TYPED OR PRINTED NAME OF SIGNER
M.A. Donohue

19. PHONE NO.

20. DATE
2-12-90

SCAQMD USE

SIC NO.	EQUIP. CAT NO. 122		SCH/STP C		
APPLICATION NO 235483	PERMIT NO.	TYPE B OR C C	WORK UNITS A/C P/O	ASSIGNMENT UNIT 09 ENGR MR	CLASS I II III IV
VALIDATION 8/9/90GF		FILING FEE $ 1700		CHECK OR MONEY ORDER NUMBER 77936	

SENT TO DATA/ID	RET. FROM DATA	SENT TO C/S	RET. FROM C/S	SENT TO	SENT TO	PYMT. PSTD. & APPL.	FIN. APPL. TO DATA

SMALL BUSINESS DECLARATION ON REVERSE SIDE

12/84

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

SEC	TS	ID NUMBER
		11726

1A. PERMIT TO BE ISSUED TO:
GENERAL ELECTRIC COMPANY
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 East Avion Street (NUMBER STREET) | Ontario (CITY OR COMMUNITY) | CA (STATE) | 2B. 91761 (ZIP CODE)

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
1923 East Avion Place (NUMBER STREET) | Ontario (CITY OR COMMUNITY) | 91761 (ZIP)

3B. Vineyard Ave. & Mission Blvd.
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
B. P. O'LEARY

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
SURFACE PREPARATION TANKS

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NAME
PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- REINSTATE NON-PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☒
- CHANGE OF CONDITIONS ☐

8. TYPE OF ORGANIZATION
- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T. AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $
AIR POLLUTION CONTROL EQUIPMENT $

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE?
ESTIMATED COMPLETION DATE?

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA? YES ☐ NO ☐
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY
DAYS/WEEK
WEEKS/YEAR

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☐

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES? YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
Brian P. O'Leary

17. OFFICIAL TITLE OF SIGNER
Mgr. Environmental Quality & Safety (acting)

18. TYPED OR PRINTED NAME OF SIGNER
BRIAN P. O'LEARY

19. PHONE NO.
714-391-5424

20. DATE
6/2/89

SCAQMD USE

SIC NO.		EQUIP CAT NO.	SCH/STP	
		000321	7A	JUN 22 1989

APPLICATION NO.	PERMIT NO.	TYPE (B) OR C	WORK UNITS A/C	WORK UNITS P/O	ASSIGNMENT UNIT 13 ENGR	CLASS I (III) IV
201414						

VALIDATION: JUN 2 1989
FILING FEE: $ 375.35
CHECK OR MONEY ORDER NUMBER: 740436-37
06/02/89

Form 400A — PRIOR VERSIONS NOT VALID

(Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

587

89399-02

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive, El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
REQUIRED BY THE EXECUTIVE OFFICER

CO. ID. 0 1 1 7 2 6

WHITE-ENGINEERING
YELLOW-FILE
PINK-ENFORCEMENT

IF YOU HAVE AN EXISTING ID. ENTER ID NUMBER: IF NO ID. LEAVE BLANK

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
General Electric Co.
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY): 01726 fa

1B.
1923 E. Avion Street, Ontario, California 91761
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 E. Avion Street, Ontario, California 91761
NUMBER | STREET | CITY OR COMMUNITY | STATE | ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
SAME
NUMBER | STREET | CITY OR COMMUNITY | ZIP | NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
D.W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Underground Storage Tank for T58 Test Cell

6. IF THE EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER

NAME _____ PREVIOUS PERMIT NUMBER _____

7. PERMIT APPLICATION FOR EQUIPMENT

NEW CONSTRUCTION		REINSTATE NON-PAYMENT P/O FEES DUE	
ALTERATION		CHANGE OF OWNERSHIP	
CHANGE OF LOCATION		EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT	X
		CHANGE OF CONDITIONS	

8. TYPE OF ORGANIZATION

CORPORATION	X	STATE AGENCY	
PARTNERSHIP		FEDERAL AGENCY	
INDIVIDUAL OWNER		UTILITY	
LOCAL GOV'T AGENCY			

9. ESTIMATED COST OF EQUIPMENT OR ALTERATIONS
BASIC EQUIPMENT $ _____ AIR POLLUTION CONTROL EQUIPMENT $ _____

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 90 JUN 21 PM 12:18

10. FOR NEW CONSTRUCTION, ALTERNATION, TRANSFER OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETED DATE? _____

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAY/WEEK 7
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT?
YES [ ] NO [X]
15A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
M.A. Donohue

17. OFFICIAL TITLE OF SIGNER
Service General Manager

18. TYPED OR PRINTED NAME OF SIGNER
M.A. Donohue

19. PHONE NO.
(714) 986-6731

20. DATE
6-19-90

SCAQMD USE

SIC NO.	EQUIP. CAT NO. 332900			SCH/STP 5/A		
APPLICATION NO. 231566 fa	PERMIT NO.	TYPE (B) OR C B	WORK UNITS A/C P/O	ASSIGNMENT UNIT 09 ENGR MB	CLASS I (III) IV	
VALIDATION 6/28/90 fa3		FILING FEE $ 750.00		CHECK OR MONEY ORDER NUMBER 765725		
SENT TO DATA/ID	RET. FROM DATA	SENT TO C/S	RET. FROM C/S	SENT TO	SENT TO	PYMT. PSTD. APPL. 6/29	FIN. APPL. TO D/

FORM 400A
89390-04

(3 OF 3)

SMALL BUSINESS DECLARATION ON REVERSE SIDE

Reviewed by MB Colton

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive, El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
REQUIRED BY THE EXECUTIVE OFFICER

CO. ID. 01726

WHITE-ENGINEERING
YELLOW-FILE
PINK-ENFORCEMENT

IF YOU HAVE AN EXISTING ID. ENTER ID NUMBER: IF NO ID. LEAVE BLANK

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
General Electric Co.
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY): 01726 fa

1B.
1923 E. Avion Street., Ontario, California 91761
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 E. Avion Street, Ontario, California 91761
NUMBER | STREET | CITY OR COMMUNITY | STATE | ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
SAME
NUMBER | STREET | CITY OR COMMUNITY | ZIP | NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
D.W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Underground storage tank for calibration fluid

6. IF THE EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER

NAME _____ PREVIOUS PERMIT NUMBER _____

7. PERMIT APPLICATION FOR EQUIPMENT

NEW CONSTRUCTION	☐	REINSTATE NON-PAYMENT P/O FEES DUE	☐
ALTERATION	☐	CHANGE OF OWNERSHIP	☐
CHANGE OF LOCATION	☐	EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT	☒
		CHANGE OF CONDITIONS	☐

8. TYPE OF ORGANIZATION

CORPORATION	☒	STATE AGENCY	☐
PARTNERSHIP	☐	FEDERAL AGENCY	☐
INDIVIDUAL OWNER	☐	UTILITY	☐
LOCAL GOV'T AGENCY	☐		

SOUTH COAST AIR QUALITY MGMT DIST
JUN 21 PM 12:15

9. ESTIMATED COST OF EQUIPMENT OR ALTERATIONS
BASIC EQUIPMENT $ _____ AIR POLLUTION CONTROL EQUIPMENT $ _____

10. FOR NEW CONSTRUCTION, ALTERNATION, TRANSFER OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETED DATE? _____

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAY/WEEK 7
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT?
YES ☐ NO ☒
15A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
M.A. Donohue

17. OFFICIAL TITLE OF SIGNER
Service General Manager

18. TYPED OR PRINTED NAME OF SIGNER
M.A. Donohue

19. PHONE NO.
(714) 986-6731

20. DATE
6-19-90

SCAQMD USE

SIC NO.	EQUIP. CAT NO. 332900			SCH/STP 5/B		
APPLICATION NO. 231565	PERMIT NO.	TYPE B OR C B	WORK UNITS A/C P/O	ASSIGNMENT UNIT 09 ENGR MB	CLASS I II III IV	
VALIDATION 6/28/90 MB		FILING FEE $ 750.00		CHECK OR MONEY ORDER NUMBER 765725		
SENT TO DATA/ID	RET. FROM DATA	SENT TO C/S	RET. FROM C/S	SENT TO	SENT TO	PYMT. PSTD. & APPL. 6/29	FIN. APPL. TO DATA

FORM 400A
89390-04

(2 OF 3) *SMALL BUSINESS DECLARATION ON REVERSE SIDE* Reviewed by MB - Colton 12/89

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive, El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
REQUIRED BY THE EXECUTIVE OFFICER

CO. ID. 01726

WHITE-ENGINEERING
YELLOW-FILE
PINK-ENFORCEMENT

IF YOU HAVE AN EXISTING ID. ENTER ID NUMBER: IF NO ID. LEAVE BLANK

PLEASE TYPE OR PRINT

SCAQMD USE

SEC | TS | ID NUMBER (FOR NEW CO. ONLY): 01726

1A. PERMIT TO BE ISSUED TO:
General Electric Co.
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS

NUMBER	STREET	CITY OR COMMUNITY	STATE	ZIP CODE
1923	E. Avion Street	Ontario	Calif.	91761

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")

NUMBER	STREET	CITY OR COMMUNITY	ZIP	NEAREST INTERSECTING STREET
1923	E. Avion Street	Ontario	Calif. 91761	

4A. CONTACT PERSON (INITIAL & NAME)
D.W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
C/T58 Aircraft ~~Engine Test Cell~~

6. IF THE EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NAME
PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION
- ALTERATION
- CHANGE OF LOCATION
- REINSTATE NON-PAYMENT P/O
- FEES DUE
- CHANGE OF OWNERSHIP
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT
- CHANGE OF CONDITIONS [x]

8. TYPE OF ORGANIZATION
- CORPORATION [x]
- PARTNERSHIP
- INDIVIDUAL OWNER
- LOCAL GOV'T AGENCY
- STATE AGENCY
- FEDERAL AGENCY
- UTILITY

RECEIVED JUN 12 1990 SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

9. ESTIMATED COST OF EQUIPMENT OR ALTERATIONS
BASIC EQUIPMENT $
AIR POLLUTION CONTROL EQUIPMENT $

10. FOR NEW CONSTRUCTION, ALTERNATION, TRANSFER OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE?
ESTIMATED COMPLETED DATE?

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance & Testing

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [x]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 8
DAY/WEEK ~~7~~ 5
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT?
YES [ ] NO [x]
15A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [x] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
M.A. Donohue

17. OFFICIAL TITLE OF SIGNER
General Service Manager

18. TYPED OR PRINTED NAME OF SIGNER
M.A. Donohue

19. PHONE NO. (714) 391-~~7340~~ 5424

20. DATE 6/14/90

SCAQMD USE

SIC NO. 346 1411	EQUIP. CAT NO. 01780				SCH/STP 7/A	
APPLICATION NO. 231567	PERMIT NO.	TYPE B OR C B	WORK UNITS A/C P/O	ASSIGNMENT UNIT 09 ENGR MB	CLASS I II III IV	
VALIDATION 6/28/90	David W. Lu Susan C. Lu	FILING FEE $ 250.00			CHECK OR MONEY ORDER NUMBER 298	
SENT TO DATA/ID	RET. FROM DATA	SENT TO C/S	RET. FROM C/S	SENT TO	SENT TO	PYMT. RSTD. & APPL. 6/29 FIN. APPL. TO DATA

FORM 400A 89390-04

SMALL BUSINESS DECLARATION ON REVERSE SIDE

Reviewed by MB - Colton 12/89 6/29

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive, El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
REQUIRED BY THE EXECUTIVE OFFICER

CO. ID. 0 1 1 7 2 6

IF YOU HAVE AN EXISTING ID. ENTER ID NUMBER: IF NO ID. LEAVE BLANK

PLEASE TYPE OR PRINT

7/18/90 +L

WHITE-ENGINEERING
YELLOW-FILE
PINK-ENFORCEMENT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
General Electric Co.
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT | SEC | TS | ID NUMBER (FOR NEW CO. ONLY) 011726

1B.

NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 E. Avion Street, Ontario, California 91761
NUMBER | STREET | CITY OR COMMUNITY | STATE | ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
SAME
NUMBER | STREET | CITY OR COMMUNITY | ZIP | NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
D. W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
(714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Cold ~~MXXX~~ Nitric Strip Tank

6. IF THE EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER

NAME | PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT

NEW CONSTRUCTION		REINSTATE NON-PAYMENT P/O	
ALTERATION		FEES DUE	
CHANGE OF LOCATION		CHANGE OF OWNERSHIP	
		EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT	X
		CHANGE OF CONDITIONS	

8. TYPE OF ORGANIZATION

CORPORATION		STATE AGENCY	
PARTNERSHIP		FEDERAL AGENCY	
INDIVIDUAL OWNER		UTILITY	
LOCAL GOV'T AGENCY			

9. ESTIMATED COST OF EQUIPMENT OR ALTERATIONS
BASIC EQUIPMENT $ _____ AIR POLLUTION CONTROL EQUIPMENT $ _____

10. FOR NEW CONSTRUCTION, ALTERNATION, TRANSFER OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETED DATE? _____

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance & Testing

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 16
DAY/WEEK 6
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT?
YES [ ] NO [X]
15A. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
M.A. Donohue

17. OFFICIAL TITLE OF SIGNER
Service General Manager

18. TYPED OR PRINTED NAME OF SIGNER
M.A. Donohue

19. PHONE NO.
(714) 391-5302

20. DATE
6-29-90

SCAQMD USE

SIC NO.	EQUIP. CAT NO. 206310			SCH/STP 5A		
APPLICATION NO. 233471	PERMIT NO.	TYPE B OR C B	WORK UNITS A/C P/O	ASSIGNMENT UNIT 09 ENGR	CLASS I II III IV	
VALIDATION 7/17/90 RG		FILING FEE $ 250 B		CHECK OR MONEY ORDER NUMBER 259-2863761		
SENT TO DATA/ID	RET. FROM DATA	SENT TO C/S	RET. FROM C/S	SENT TO	SENT TO	PYMT. PSTD. & APPL. 7/20	FIN. APPL. TO DATA

FORM 400A
88390-04

SMALL BUSINESS DECLARATION ON REVERSE SIDE 12/89

Reviewed by SF 7/11/90

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

9150 Flair Drive, El Monte, CA 91731

FORM 400A

NC/NOV NUMBER _____
INSPECTOR _____ SECTOR _____
ISSUE DATE _____

COMPANY INFORMATION

LEGAL NAME OF APPLICANT: General Electric Co.

☐ IRS OR ☐ S.S. NUMBER [redacted]

PERMIT TO BE ISSUED TO: (SEE INSTRUCTIONS)
Aircraft Engines Maintenance Center

BUSINESS MAILING ADDRESS
1923 E. Avion St., Ontario, CA 91761

TYPE OF ORGANIZATION
☒ CORPORATION ☐ LIMITED PARTNERSHIP ☐ GOVERNMENT ENTITY
☐ INDIVIDUAL ☐ GENERAL PARTNERSHIP ☐ OTHER _____

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ YES ☒ NO
AVERAGE ANNUAL GROSS RECEIPTS:
NUMBER OF EMPLOYEES:
IS YOUR BUSINESS 51 PERCENT OR MORE WOMAN/MINORITY OWNED? (OPTIONAL) ☐ YES ☒ NO

ARE ALL FACILITIES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL RULES? ☒ YES ☐ NO

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ YES ☐ NO ☐ IRS OR ☐ S.S. NUMBER OF THE OWNER

IF NO, ENTER LEGAL NAME OF OWNER

FACILITY INFORMATION

EQUIPMENT ADDRESS/LOCATION
1923 E. Avion St.
NUMBER / STREET

Ontario CA 91761
CITY OR COMMUNITY ZIP CODE

FACILITY NAME

FACILITY ID NUMBER (SEE INSTRUCTIONS) 0 1 1 7 2 6 @16 PS 7/31/91

CONTACT PERSON AND TITLE: David Lu, Mgr. Environmental
CONTACT TELEPHONE NUMBER: 714 391-5424
NUMBER OF EMPLOYEES AT THIS FACILITY: 180

TYPE OF BUSINESS AT THIS FACILITY: Engine Maintenance
BUSINESS TYPE CODE (SEE INSTRUCTIONS): 3 7 2 4
IS THERE A SCHOOL WITHIN 1,000 FEET OF YOUR PROPERTY? YES ☐ NO ☒

EQUIPMENT INFORMATION

EQUIPMENT DESCRIPTION (SEE INSTRUCTIONS)
Engine Parts Cleaning Tank with 5% Hydrochloric Acid

APPLICATION FOR: (SEE INSTRUCTIONS)
☐ NEW CONSTRUCTION ☐ MODIFICATION ☐ CHANGE OF LOCATION
☒ EXISTING EQUIPMENT OPERATING WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE? ☐ YES ☒ NO

HAVE YOU BEEN ISSUED A NOTICE TO COMPLY (NC) OR A NOTICE OF VIOLATION (NOV) FOR THIS EQUIPMENT? ☐ YES ☒ NO
NC NUMBER: NOV NUMBER: NOTICE ISSUE DATE:
NUMBER OF EMPLOYEES NEEDED TO OPERATE THIS EQUIPMENT: 1

IF THE EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF PERMITTEE:
PREVIOUS PERMIT NUMBER:

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED COST OF:
BASIC EQUIPMENT $
AIR POLLUTION CONTROL EQUIPMENT $

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED START DATE:
ESTIMATED COMPLETION DATE:

FOR CHANGE OF PERMITTEE, LOCATION OR CONDITION, ENTER DATE OF OCCURRENCE:
FOR EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT, ENTER INITIAL OPERATION DATE: Prior to 1989

1991 JUL 30 PM 3:40 SOUTH COAST AIR QUALITY

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? ☐ YES ☒ NO
IF YES, ENTER NAME: AND SUBMIT A COPY IF APPROVED
DO YOU CLAIM CONFIDENTIALITY OF DATA ? (SEE INSTRUCTIONS) ☐ YES ☒ NO

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT

SIGNATURE: G L Romahr
OFFICIAL TITLE OF SIGNER: Service General Mgr.
TYPE OR PRINT NAME OF SIGNER: G. L. Romahr
TELEPHONE NUMBER: (714) 391-5302
DATE: 7-22-91

SCAQMD USE ONLY

APPLICATION NUMBER	TYPE	EQUIPMENT CATEGORY NUMBER	ASSIGNMENT	CLASS	ENF. SECT.
254086	(B) C D	000321	UNIT 9 ENGINEER CAW	I (II) IV	

ENGR. A R DATE INITIAL	ENGR. A R DATE INITIAL	FEE SCHEDULE	$ 660	VALIDATION	CHECK OR MONEY ORDER NUMBER	AMOUNT
		B		7/30/91 PS	900635	$660.00

DISTRIBUTION – WHITE – ENGINEERING – CANARY – ENFORCEMENT – PINK – APPLICANT

08/91 6/90

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE RED TAG

1A. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER: 011726 LI

1B. GENERAL ELECTRIC COMPANY
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: 1923 E. Avion Ave. (NUMBER STREET) Ontario (CITY OR COMMUNITY) CA (STATE) 2B. 91761 (ZIP CODE)

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): SAME (NUMBER STREET) (CITY OR COMMUNITY) (ZIP)
3B. NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME): David Lu
4B. CONTACT PHONE NO. (AREA & NO.): (714) 391-5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT: Thermal ~~Spray~~ Arc Plasma System

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NAME: N/A
PREVIOUS PERMIT NUMBER: N/A

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION [X]
- ALTERATION [ ]
- CHANGE OF LOCATION [ ]
- REINSTATE NON-PAYMENT P/O FEES DUE [ ]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [ ]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T. AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 315,000.00
AIR POLLUTION CONTROL EQUIPMENT $ 197,791.82

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? September 1990
ESTIMATED COMPLETION DATE? October 1990

11. GENERAL NATURE OF BUSINESS: Jet Engine Overhaul Facility
12. PRINCIPAL PRODUCT: Coating Thermal Spraying

13. DO YOU CLAIM CONFIDENTIALITY OF DATA? YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 12
DAYS/WEEK 6
WEEKS/YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES [ ] NO [X]

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES? YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: M. A. Donohue
17. OFFICIAL TITLE OF SIGNER: SERVICE GENERAL MANAGER
18. TYPED OR PRINTED NAME OF SIGNER: M. A. Donohue
19. PHONE NO.: 714-391-5302
20. DATE: 7-31-90

SCAQMD USE

SIC NO. | EQUIP CAT NO. ~~000294~~ 167 | SCHED TP VB

APPLICATION NO. | PERMIT NO. | TYPE B OR C | WORK UNITS A/C P/O | ASSIGNMENT UNIT ENGR | CLASS I II IV

VALIDATION: 7/31/90 RC | FILING FEE $ ~~750~~ 1700 | CHECK OR MONEY ORDER NUMBER: 779925

Form 400A
PRIOR VERSIONS NOT VALID

(Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

89399-02

decaf
Nat
9/13

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

CO.ID. 0 1 1 7 2 6

IF YOU HAVE AN EXISTING PERMIT ENTER ID NUMBER-IF NO PERMIT LEAVE BLANK

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

MB

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CD. ONLY): 11726

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 E. Avion St. (NUMBER STREET) Ontario (CITY OR COMMUNITY) CA (STATE)

2B. ZIP CODE: 91761

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
(same)
NUMBER STREET CITY OR COMMUNITY ZIP

3B. NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME)
D. W. Lu

4B. CONTACT PHONE NO. (AREA & NO.)
( ) (714) 391- 5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Cold Solvent Degreaser

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NAME PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION [X]
- ALTERATION [ ]
- CHANGE OF LOCATION [ ]
- REINSTATE NON-PAYMENT P/O FEES DUE [ ]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [ ]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T. AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 500.00
AIR POLLUTION CONTROL EQUIPMENT $

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? As soon as the permit is issued ESTIMATED COMPLETION DATE?

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance & Testing

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 16
DAYS/WEEK 6
WEEKS/YEAR 50

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES [ ] NO [X]

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION

17. OFFICIAL TITLE OF SIGNER
General Service Manager

18. TYPED OR PRINTED NAME OF SIGNER
S. B. Bransfield

19. PHONE NO.
(714) 391-7348

20. DATE
9/25/89

RECEIVED SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

SCAQMD USE

SIC NO. | EQUIP CAT NO. 00022 1 | SCH/STP 8A | OCT 25 1989

APPLICATION NO. 214093 | PERMIT NO. | TYPE B OR C | WORK UNITS A/C P/O | ASSIGNMENT UNIT 10 ENGR | CLASS I II III IV

VALIDATION 10/2/89 | FILING FEE $ 500.00 | CHECK OR MONEY ORDER NUMBER 715179

Form 400A PRIOR VERSIONS NOT VALID

(Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

89399-02

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

CO.ID. 01176

IF YOU HAVE AN EXISTING PERMIT ENTER ID NUMBER-IF NO PERMIT LEAVE BLANK

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A. PERMIT TO BE ISSUED TO:
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

SEC | TS | ID NUMBER (FOR NEW CO. ONLY): 11726

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
1923 E. Avion St. | Ontario | CA
NUMBER STREET | CITY OR COMMUNITY | STATE

2B. ZIP CODE: 91761

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
(same)
NUMBER STREET | CITY OR COMMUNITY | ZIP

3B. NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIAL & NAME): D. W. Lu

4B. CONTACT PHONE NO. (AREA & NO.): ( ) (714) 391- 5424

5. APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Cold Solvent Degreaser

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NAME | PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION [X]
- ALTERATION [ ]
- CHANGE OF LOCATION [ ]
- REINSTATE NON-PAYMENT P/O FEES DUE [ ]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [ ]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T. AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 500.00
AIR POLLUTION CONTROL EQUIPMENT $

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? As soon as the permit is issued ESTIMATED COMPLETION DATE?

11. GENERAL NATURE OF BUSINESS
Aircraft Engine Maintenance & Testing

12. PRINCIPAL PRODUCT
Aircraft Engine Maintenance

13. DO YOU CLAIM CONFIDENTIALITY OF DATA? YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 16
DAYS/WEEK 6
WEEKS/YEAR 50

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES [ ] NO [X]

15A. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES? YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION

17. OFFICIAL TITLE OF SIGNER
General Service Manager

18. TYPED OR PRINTED NAME OF SIGNER
S. B. Bransfield

19. PHONE NO.: (714) 391-7348

20. DATE: 9/25/89

SCAQMD USE

SIC NO. | EQUIP CAT NO. 000221 | SCH/STP OCT 25 1989

APPLICATION NO. 214092 | PERMIT NO. | TYPE (B) OR C | WORK UNITS A/C P/O | ASSIGNMENT UNIT 10 ENGR | CLASS (I) II III IV

VALIDATION 10/02/89 | FILING FEE $ 500.00 | CHECK OR MONEY ORDER NUMBER 751379

Form 400A PRIOR VERSIONS NOT VALID

(Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING (1 of 2)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION
SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE: SEC | TS | ID NUMBER 11726

1 A. PERMIT TO BE ISSUED TO:
General Electric Company - Aviation Service Operation
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1 B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2 A. MAILING ADDRESS:
Ontario International Airport, Ontario, California
NUMBER STREET CITY OR COMMUNITY STATE

2 B. 91761 ZIP CODE

3 A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"):
Same
NUMBER STREET CITY OR COMMUNITY ZIP CODE

3 B. Vineyard
NEAREST INTERSECTING STREET

4 A. CONTACT PERSON (INITIALS & NAME):
Robert Seguy

4 B. CONTACT PHONE NO. (AREA & NO.):
(714) 986-6731

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:
Dust collector is an ICM HB-950E, 10 H.P., 240/480 V, 3 Ø, 60 HZ exhaust blower. Blower to deliver 3200 CFM at 12" state pressure.

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
None - to replace existing equipment (permit no. 10557B)
NAME PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT:
- NEW CONSTRUCTION [X]
- ALTERATION [ ]
- CHANGE OF LOCATION [ ]
- CHANGE OF OWNERSHIP EXISTING EQUIPMENT WITHOUT PRIOR PERMIT [ ]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION:
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ 28,400 AIR POLLUTION CONTROL EQUIPMENT $ included

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? COMPLETE

11. GENERAL NATURE OF BUSINESS:
Aircraft Engine Overhaul

12. PRINCIPAL PRODUCT:
Overhaul

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT:
HOURS / DAY 5 max
DAYS / WEEK 5
WEEKS / YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES [ ] NO [X]

15a. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION:
Robert Seguy

17. OFFICIAL TITLE OF SIGNER:
ENVIRONMENTAL AND SAFETY ENGINEER.

18. TYPED OR PRINTED NAME OF SIGNER:
Robert Seguy

19. PHONE NO.
(714) 986-6731

20. DATE
11-18-83

SCAQMD USE

SIC NO. 4582
EQUIP. CAT. NO. 00284
SCH/STEP: A DEC 14 1983
APPLICATION NO. 118077
PERMIT NO.
TYPE B OR C
WORK UNITS A/C P/O
ASSIGNMENT UNIT ENGR
CLASS I III
VALIDATION 12/6/83
FILING FEE $ 523.00
CHECK OR MONEY ORDER NO. 961764

Form 400A - REVISED 8-83 PRIOR VERSIONS NOT VALID (Continued on reverse) C - 1

SEE REVERSE FOR FEES REQUIRED UPON FILING 1 of 2

$23.00 due on issuance

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION
SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE: SEC | TS | ID NUMBER: 11726

1 A. PERMIT TO BE ISSUED TO:
General Electric Company - Aviation Service Operation
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1 B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2 A. MAILING ADDRESS
Ontario International Airport, Ontario, California
NUMBER STREET CITY OR COMMUNITY STATE

2 B.
91761
ZIP CODE

3 A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"):
Same
NUMBER STREET CITY OR COMMUNITY ZIP CODE

3 B.
Vineyard
NEAREST INTERSECTING STREET

4 A. CONTACT PERSON (INITIALS & NAME):

4 B. CONTACT PHONE NO. (AREA & NO.):
( )

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:
Walk-in grit blast 8' x 8' x 8', air inlet filter frames sized for a minimum velocity of 500 RPM, air sweep floor to automatically recover and convey the abrasive media for reuse, cyclone is 3200 CFM.

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
None - to replace existing equipment (permit no. 20558B)
NAME PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT:
- NEW CONSTRUCTION [X]
- ALTERATION [ ]
- CHANGE OF LOCATION [ ]
- CHANGE OF OWNERSHIP EXISTING EQUIPMENT WITHOUT PRIOR PERMIT [ ]
- CHANGE OF CONDITIONS [ ]

8. TYPE OF ORGANIZATION:
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ 28,400
AIR POLLUTION CONTROL EQUIPMENT $ included

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? COMPLETE

11. GENERAL NATURE OF BUSINESS:
Aircraft Engine Overhaul

12. PRINCIPAL PRODUCT:
Overhaul

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT:
HOURS / DAY 5 max
DAYS / WEEK 5
WEEKS / YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES [ ] NO [X]

15a. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [X] NO [ ]

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
Robert Seguy CYNTHIA. PAULO

17. OFFICIAL TITLE OF SIGNER
ENVIRONMENTAL AND SAFETY ENGINEER

18. TYPED OR PRINTED NAME OF SIGNER:
Robert Seguy

19. PHONE NO.
(714) 986-6731

20. DATE
11-18-83

SCAQMD USE

SIC NO. 4582
EQUIP. CAT. NO. 21
SCH/STEP. N/A DEC 14 1983
APPLICATION NO. 118078
PERMIT NO.
TYPE B OR C
WORK UNITS A/C P/O
ASSIGNMENT UNIT ENGR
CLASS I III
VALIDATION 12/6/83
FILING FEE $523.00
CHECK OR MONEY ORDER NO 501764

Form 400A - REVISED 8-83 PRIOR VERSIONS NOT VALID (Continued on reverse) C - 1

SEE REVERSE FOR FEES REQUIRED UPON FILING 2 of 2

#23, an amendment

CL/CP
KH
CO

R219
(DIESEL)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 FLAIR DRIVE, EL MONTE, CA 91731 (8[illegible]

CASH ON HAND

APPLICATION FOR PERMIT TO CONSTRUCT/OPERATE FOR FUEL STORAGE & DISPENSING FACILITY

(W/ EXISTING 2 GAS Tanks / 1 Gas Nozzle)

1. BUSINESS LICENSE NAME: General Electric Company — CORPORATION[X] PARTNERSHIP[ ] INDIV.OWNERSHIP[ ]

2. LOCATION ADDRESS: 1923 East Avion Street — LOCATION CITY: Ontario CA — ZIP CODE: 91761

3. LOCATION COUNTY: LOS ANGELES[ ]1 ORANGE[ ]2 RIVERSIDE[ ]3 SAN BERNARDINO[X]4

4. MAILING ADDRESS: 1923 East Avion Street — CITY: Ontario — STATE: CA — ZIP CODE: 91761

5. APPLICATION TYPE: NEW FACILITY[ ]1 ALTERATION[ ]2 CHANGE OF OWNERSHIP[ ]3 EXISTING DIESEL TANK[X]4
CO. ID # _____ PREVIOUS PERMIT # _____
FOR ALTERATION: #TANKS ADD _____ REMOVE _____ REPLACE _____ #NOZZLES ADD _____ REMOVE _____
ADDITION OF PHASE I CONTROL _____ ADDITION OF PHASE II CONTROL _____ ADDITION OF SUBMERGED FILL _____

6. BUSINESS TYPE: (CHECK ONE BOX ONLY)
RETAIL [ ]1 CONSUMER ACCOUNT [X]2 GOVERNMENT AGENCY [ ]3
FOR CONSUMER ACCOUNT AND GOVERNMENT AGENCY, DO YOU OWN ANY FLEET VEHICLES? YES[X] NO[ ]
IF YES, TOTAL NUMBER OF FLEET VEHICLES: EIGHT

7. BOARD OF EQUALIZATION NUMBER: FR EHA 23-771100

8. VAPOR RECOVERY SYSTEMS: (See Reverse Side For Instructions)
PHASE I ONLY[ ]1 PHASE II ONLY[ ]2 BOTH PHASE I & II[ ]3 EXEMPT[X]5

9. TANK AND NOZZLE INFORMATION: (Please List All Tanks And Nozzles On Premises)
(See Reverse Side For Instructions)

TYPE	NUMBER OF TANKS	TANK CAPACITY (GALLONS)	THRUPUT (GAL/YEAR)	NUMBER OF NOZZLES	CONTROL TYPE (Phase II)	UNDERGROUND [1] OR ABOVEGROUND [2]
GASOLINE	1	6000 each		1	91	[1]
METHANOL						[ ]
DIESEL	2	6000 ea	40,000	ONE		[1]
LPG						[ ]
WASTE OIL					Emco Wheaton	[ ]
OTHER						[ ]
						[ ]

10. METHANOL COMPATIBLE TANK INFORMATION: (See Reverse Side For Instructions)
DO YOU HAVE ANY EXISTING METHANOL COMPATIBLE TANKS WHICH HAVE A FUEL STORAGE AND DISPENSING PERMIT? YES[ ] NO[X]
IF YES, PERMIT # _____
IF NO, YOU MUST SUBMIT CERTIFICATION FROM THE MANUFACTURER WITH THE APPLICATION FOR:
A. METHANOL TANKS
B. SEALS, FITTINGS AND PIPING

11. INSTALLATION DATE: PRIOR TO 1985 — 12. NOTICE TO COMPLY #:

SIGNATURE: Brian P O'Leary — David Lee — DATE: 6/2/89

PRINT NAME: BRIAN P. O'LEARY — TITLE: MANAGER, (ACTING) ENVIRONMENTAL QUALITY & SAFETY — TELEPHONE: (714) 391-5424

CONTRACTOR'S NAME, ADDRESS AND TELEPHONE NUMBER:

SCAQMD USE ONLY CO. ID#: 11726 — APPLICATION NO: 201416

TRANSACTION CODE: DATE: 6/2/89 — CHECK NO.: 144856-37 — AMOUNT: 375 ~~325~~

90500 (10) 000027707 — CR 06/02/89

Run Date : 05/28/2002 08:24 AM

South Coast Air Quality Management District

Facility Equipment List Report

Facility: 61160 GE ENGINE SERVICES
Last Inspection: 05/24/2002
SIC: 3724
Inspector: BK01 BRETT KIMBERLY
Inspection Date: 05/24/2002
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:SH
Mailing Address: 1923 E AVION ST, ONTARIO 91761-7766 Sector:SH
Instruction:

MR: 0104 Contact: IRENE SANTOSCOY (909) 9375000
TS: TS57 - R203 VOC Extraction - De Quarter: 0010 - inspect in 3rd quarter, every year
Facility Status: Active On Hold: N Suspended: N
Assignment No. 706116 Facility Team: X1
Disposition: Operating in Compliance at time of inspection

RECLAIM: N TITLE V: Y SIP: AIR:

	Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
	341152				555001	BCAT	INITIAL TITLE V PERMIT APPLICATION	03/23/1998	BANKING/ PLAN GRANTED
✓	341151	F34703	10/27/2000	ACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	02/23/1998	PERMIT TO OPERATE GRANTED
✓	341149	F35578	12/06/2000	ACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	03/23/1998	PERMIT TO OPERATE GRANTED
✓	376915	F36249	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s.	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376915	F36249	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UNDER	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376916	F36253	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s.	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376916	F36253	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UNDER	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376917	F36255	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s.	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376917	F36255	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UNDER	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376918	F36256	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s.	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376918	F36256	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UNDER	11/09/2000	PERMIT TO OPERATE GRANTED

Report: On May 24, 2002 with Supervising Inspector Rich Watson, I arrived for an annual Title V inspection. The facility's Title V permit became official in October 2001. We met with Theresa Du Bois, EHS Specialist, and a temporary EHS Specialist named Stacy, whose last name I didn't acquire. The facility conducts aircraft engine overhauls and testing. A majority of the property is for engine maintenance. The 2 test cells and the soil vapor units are at 2264 Avion Place. A test cell is just an engine mount with an exhaust stack. Test cell #1 has not been operated for many months and #2 had been operated the day before the inspection. Records are maintained of fuel usage and this is used to calculate pollutant emissions based on engine-specific emission factors. Records show compliance with daily and 30-day average emissions. Soil unit "A" was in operation with an air flow rate of 141 cfm, in compliance with permit limit. Records are maintained of ppm concentrations based on readings from a PID. The soil units are only operated as needed. They currently have a consultant on-site all day to monitor the soil equipment.

All wipe cleaning of engines is done with acetone. There is no painting or plating. Rule 219 equipment include glove box abrasive blast cabinets and <50 HP emergency generators.

The company submitted the Title V annual and semi-annual compliance certifications on the same form with both check boxes marked. I informed Mr. Du Bois that they need to submit separate forms with only one box checked for each report. No notices were issued.

Inspector: Brett Kimberly Date: 5-28-02 Reviewed By: R C Watson Date: 6/11/02

South Coast Air Quality Management District

Facility Equipment List Report

Facility 61160 GE ENGINE SERVICES
Last Inspection 06/16/2005
SIC 3724
Inspector DC05 DEVORLYN D CELESTINE
Inspection Date 06/16/2005
Location Address 2264 AVION PL, ONTARIO 91761 Sector SH
Mailing Address 1923 E AVION ST, ONTARIO 91761-7766 Sector SH
Instruction

MR 0104 Contact IRENE SANTOSCOY (909) 9375000
TS TS-11 Industrial Sector-base Quarter 0010 - inspect in 3rd quarter, every year
Facility Status Active On Hold N Suspended N
Assignment No 890328 Facility Team X1
Disposition Operating in Compliance at time of inspection

RECLAIM N TITLE V Y SIP AIR

	Application No	Permit No	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
	341149	F35578	12/06/2000	ACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	03/23/1998	PERMIT TO OPERATE GRANTED
	341151	F34703	10/27/2000	ACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	02/23/1998	PERMIT TO OPERATE GRANTED
✓	376915	F36249	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t s	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376915	F36249	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UN	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376916	F36253	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t s	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376916	F36253	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UN	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376917	F36255	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t s	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376917	F36255	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UN	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376918	F36256	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t s	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376918	F36256	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UN	11/09/2000	PERMIT TO OPERATE GRANTED

Report On June 16, 2005 I met with Bradley Grubbs, EHS Site Focal Point, for GE Engine services The facility was in operation during the inspection The soil vapor extraction equipment is located at 2264 Avion Place The inspection revealed that there were no changes made to the equipment on site The equipment was operating according to permit conditions Geosyntec is still the consultant who operates and maintains the equipment and conducts the monitoring The records of operation reveal that the equipment is operating according to permit conditions

ENTERED 6/21/05

Inspector D Celestini Date 6-21-05 Reviewed By [signature] Date 6/21/05

South Coast Air Quality Management District

Facility Equipment List Report

Facility 61160 GE ENGINE SERVICES
Last Inspection 05/13/2004
SIC 3724
Inspector. DC05 DEVORLYN D CELESTINE
Inspection Date 05/13/2004
Location Address 2264 AVION PL, ONTARIO 91761 Sector SH
Mailing Address 1923 E AVION ST, ONTARIO 91761-7766 Sector SH
Instruction

MR 0104 Contact IRENE SANTOSCOY (909) 9375000
TS TS-11 Industrial Sector-base Quarter 0010 - inspect in 3rd quarter, every year
Facility Status Active On Hold N Suspended N
Assignment No 825477 Facility Team X1
Disposition Operating in Compliance at time of inspection

RECLAIM N TITLE V Y SIP AIR

	Application No	Permit No	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
	341149	F35578	12/06/2000	ACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	03/23/1998	PERMIT TO OPERATE GRANTED
	341151	F34703	10/27/2000	ACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	02/23/1998	PERMIT TO OPERATE GRANTED
✓	376915	F36249	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t s	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376915	F36249	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UN	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376916	F36253	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t s	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376916	F36253	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UN	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376917	F36255	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376917	F36255	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UN	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376918	F36256	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t s	11/09/2000	PERMIT TO OPERATE GRANTED
✓	376918	F36256	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UN	11/09/2000	PERMIT TO OPERATE GRANTED

Report: On May 13, 2004, I arrived at 1923 Avion Street, and met with Rob Meyers, EHS Manager for GE Engine Services I informed Mr Meyers of the compliance inspection of the VOC vapor extraction equipment The facility is aircraft engine repair shop. The facility was in operation during the inspection.

Permitted VOC extraction unit F36249 was in operation and in compliance with permit limit. The other three units are permanently in place in various locations around the test cell facility. Based upon the plume and migration pattern if necessary the other units be placed in operation The average flow rate is 122 scfm which is in compliance with permit conditions Operation and maintenance is done on a weekly basis as well as there is a field service check by the Geosyntec the consultant for this equipment. Records are readily available for inspection

The facility is in compliance with all Soil Treat Vapor extraction equipment.

Inspector D. Celestine Date: 5-18-04 Reviewed By. Date: 6/3/04

ENTERED

South Coast Air Quality Management District

Facility Equipment List Report

Facility 61160 GE ENGINE SERVICES
Last Inspection 08/05/2003
SIC 3724
Inspector NG02 NANCY GIBSON
Inspection Date 08/05/2003
Location Address 2264 AVION PL ONTARIO 91761 Sector SH
Mailing Address 1923 E AVION ST ONTARIO 91761-7766 Sector SH
Instruction

MR 0104 Contact IRENE SANTOSCOY (909) 9375000
TS TS-57 Toxics R203 VOC Extract Quarter 0010 - inspect in 3rd quarter every year
Facility Status Active On Hold N Suspended N
Assignment No 777022 Facility Team X1
Disposition Operating in Compliance at time of inspection

RECLAIM N TITLE V Y SIP AIR

Application No	Permit No	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
201407	D12854	12/05/1989	INACTIVE	300900 BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	06/02/1989	PERMIT TO OPERATE GRANTED
169570	D02488	09/21/1988	INACTIVE	248900 BCAT	STORAGE TANK GASOLINE	05/09/1988	PERMIT TO OPERATE GRANTED
169571	D02487	09/21/1988	INACTIVE	248900 BCAT	STORAGE TANK GASOLINE	05/09/1988	PERMIT TO OPERATE GRANTED
10556B	10556B	06/16/1976	INACTIVE	033709 BCAT	TURBINE ENGINE (>50 MW) OTHER FUEL	01/01/1990	PERMIT TO OPERATE GRANTED

Report On August 5 2003 I arrived at GE Engine Services for an equipment check for Engineer Jim Fakhoury and a Title V compliance inspection

GE Engine Services conducts aircraft engine overhauls and testing The majority of the facility is for engine maintenance I met with Mr Rolando Espejo (909/937 5311) Environmental Health & Safety Generalist and Dr Phil Wang (909/937-6731)

The two Jet Engine Test Facility/Test Cells Permit F35578 and Permit F34664 are located at 2264 Avion Place A test cell is a large engine mount wit an exhaust stack Test Cell #1 was not operating and the stack height was measured at 45 feet 7 inches Test Cell #2 was in operation dunng the inspection and the height was measured at 58 feet 2 inches The test cell height was required by Engineer Jim Fakhoury for Title V evaluation Records are maintained of fuel usage and this is used to calculate pollutant emissions based on engine specific emission factors Records show compliance with daily and 30-day average emissions Soil units were not in operation at the time of my inspection and are only operated on an as needed basis Records are maintained of ppm concentrations based on readings from a PID

All wipe cleaning of engines is done with acetone No plating or painting is done on site Rule 219 equipment includes glove box abrasive blast cabinets and <50 HP emergency generators

All Title V annual and semi-annual compliance certifications have been submitted

The facility is in compliance with District Rules and Regulations

Inspector _____ Date _____ Reviewed By _____ Date _____

REPORT ID: ENF749R1 A. E. I. S. - EQUIPMENT LIST INQUIRY 09/28/95

ID Company Name & Location Page: 1

011726 GENERAL ELECTRIC CO
1923 E AVION DR ONTARIO CA 91761-7766

1923 E AVION DR ONTARIO CA 91761-7766

Owner: CA On Hold: Expired: Suspended: Number Of: Employees: 000~~296~~ 320 Vehicles: 0008

Sic#: 3724 Phone: 909~~3915424~~ 27 Contact: DAVID W LU

Section	Sector	TS	Freq	Mr#	Insp Date	Radio	Quarter	Pty	Source
CO	SH	71	1	1206	~~022189~~ 092295	R	0010		

Equip Category	Description	T	Permit Number	Date	Appl Number	Commts
✓ 00028400	ABRASIVE BLASTING (CABINE	B	D32913	901015	218446	Active
Rules: 1140						
✓ 29956022	BAGHOUSE, AMBIENT TEMP (>	C	D32915	901015	218449	Active
Rules: 1140						
✓ 42554000	FREONS PACKAGING	B	D32916	901015	217256	Active
Rules: 1175						
✓ 20631000	MISC INORGANIC ACID STRIP	B	D48559	920218	233471	Active
Rules: 401 402						
✓ 00032100	TANK, SURFACE PREPARATION		D57864	930119	201413	Active
Rules: 219						
✓ 00000023	DRY FILTER, ABSOLUTE	C	D89893	950417	283092	Active
Rules: 401 402						
✓ 00028123	TANK CHEMICAL MILLING	B	D89894	950417	283093	Active
Rules: 401 402						
✓ 00020840	SCRUBBER, OTHER VENTING S	C	E03290	791113	00721E	Active
Rules: 1124 1107 1125						
✓ 00028475	ABRASIVE BLASTING (CABINE	B	E03291	791113	00722E	Active
Rules: 1140						
✓ 00028475	BAGHOUSE, AMBIENT TEMP (>	C	E03292	791113	00723E	Active
Rules: 1140						
✓ 00000022	BAGHOUSE, AMBIENT TEMP (>	C	M51159	860718	118077	Active
Rules: 1140						
✓ 00028422	ABRASIVE BLASTING (CABINE	B	M51160	860718	118078	Active
Rules: 1140						

ENTERED

Interactive - VS7 8/22/95

Comments: No Chromium nor Cr anodizing since 1992. R1169 Does Not Apply. Abrasive Blasting and Baghouses Complied w/ R1140 & 203(b). Fryron PRG. complied w/ R1175 & 203(b). Two Wastewater Treatment Systems had No Permit. Co. Provided A Letter From ARMD dated 9/11/89 exempting the system from permit. NCA 21909 was issued to provide flow

Inspector: Gamelito G. Bunitez Review By: _____ Date: _____

Diagram and info. on scrubber and tank tanks vented to it. I.E. 03290, Scrubber, previously was permitted with TK.12, Heated Nickel stripping tank was vented to it. TK.12 and the vent pipe had been removed. Two other vent lines on the other side of the room had been capped. The nitric acid striptank (D48559) had been relocated from the other side into the room housing the other Tks. For Safety Reasons. Co. was advised to send a letter informing ARMD of alteration to permit description of D57864 for the removal of TK.12 and the associated vent pipe which appeared to be open to the atmosphere. This equipment is exempt now from permit per R219(b)(4). Six UV Penetrant Inspection Booths vented to the atmosphere are exempt from permit per R219(e)(4), but usage records per R109 have to be started on the penetrant spray which contains VOC. Recordkeeping requirement was included in NCA 21909. One Steam Generator was exempt per R219(b)(2). Two storage Tks. of LPG were exempt per R219(m)(2). Facility is very well kept & maintained. I just informed the Co. of the possibility of R401 & R402 violations if the pressed sludge from the Electric Milling and 2 WWT Systems had to be transported to Hazardous Landfill.

10/3/95

South Coast
AIR QUALITY MANAGEMENT DISTRICT
9150 FLAIR DRIVE, EL MONTE, CA 91731 (818) 572-6200

September 11, 1989

David W. Lu
Manager
Environmental Quality & Safety
General Electric Co
Ontario, CA 91761

Subject: Proposed WasteWater Treatment System

Dear David:

We have reviewed your drawings on the waste water system and have determined that the system as designed should not cause the issusance of any air contaminants. Mr. Randall Shaw of Engineering Science, the project manager for this system is also of the opinion that the treatment process for removing the nickel and lead from the waste stream will not cause any air pollution.

The sulphuric acid day tank is exempt from permit requirement as per District's Rule 219(m)(1)(A). Therefore the proposed system should not require any air quality permits.

If you have any further question regarding this matter please call Mohan Balagopalan at (714)872-6066.

Very truly yours,

William J. Dennison
Director of Engineering

Robert J. Hilovsky
Supervising Engineer

Post-it™ brand fax transmittal memo 7671	# of pages ▸ 1
To Carmelita Benitez	From HANI ZARIFA
Co. SCAQMD	Co. G-E
Dept.	Phone # 909 391 5274
Fax # 909 396 3342	Fax # 909 391 5319

To: Mohan Balagopalan@Toxics
From: Carmelita Benitez
Cc: Sam Vergara@Toxics
Bcc:
Subject: Alternative Recordkeeping Form
Attachment:
Date: 2/6/96 12:09 PM

I faxed a sample R 109 form to GE and Hani Zarifa agreed to use it. The only allowance that we gave is to waive the daily requirement. GE can just log the date that the solvent is replenished. The facility showed in its records that the solvent is completely drained in approximately 30-45 days and new solvent is refilled . The waste solvent is sent to a solvent recycler.

I left a message in Hani's voice mail that the letter he sent for your signature was not applicable since the alternative record keeeping as proposed was not acceptable. A new form has to be sent to AQMD for approval.

FAX

General Electric Engine Services
1923 East Avion Street
Ontario, CA 91761
Facility ID No. 011726

Date 12/21/95

Number of pages including cover sheet 2

To:

Mohan Balagopalan

Phone (909) 396-2704

Fax Phone (909) 396-3350

CC:

From:

Hani Zarifa

Phone (909) 391-5274

Fax Phone (909) 391-5319

REMARKS:

☐ Urgent ☐ For your review ☒ Reply ASAP ☐ Please comment

Your response to the attached letter is greatly appreciated.

Sam,

Could you approve this or should it go to another unit. This facility was inspected by Carmelita.

Thank.

MUST APPROVED SEE CARMELITA'S ERROR

1/29/95

Sam,

Okayed R109 form faxed to GE & Backup us.

CMS – 1/31/96

GE Aircraft Engines

Environmental, Health & Safety
General Electric Company
1923 E. Avion St., Ontario, CA 91761
Phone 714 391-5424/5274/5489

December 21, 1995

South Coast Air Quality Management District
P.O. Box 4944
Diamond Bar, CA 91765-0944

Attention: Mohan Balagopalan

Subject: VOC Recordkeeping

Per our telephone conversation yesterday, this letter is to confirm your agreement with our proposed alternative to daily recordkeeping for our stoddard solvent tanks. As we discussed, we conducted a study to verify that no stoddard solvent is emitted as a VOC. For a two month period, the levels of stoddard solvent in each flow tank were recorded. It was shown that no recordable amount was lost due to evaporation. To further substantiate this finding, a comparison of the quantities of stoddard solvent hauled off the facility to that which was received during the entire year of 1995 was conducted. It was shown that the numbers were the same.

Therefore, per rule 109(c)(1)(D), an alternate method to daily recordkeeping is proposed. This method would consist of a yearly reconciliation of the quantity of stoddard solvent issued to the area to that which is collected for disposal.

As you indicated yesterday, you found this alternative to be adequate. Please confirm this by signing and returning this letter via fax at (909) 391-5319.

Your attention to this matter is greatly appreciated. If you have any questions, please call me at (909) 391-5274.

Sincerely,

Hani Zarifa

Hani Zarifa

Mohan Balagopalan

TO BE SIGNED by MOHAN
& MAILED BACK TO
G.E.

OMB
1/31/96

FAX

General Electric Engine Services
1923 East Avion Street
Ontario, CA 91761
Facility ID No. 011726

Date 12/21/95

Number of pages including cover sheet 2

To:

Mohan Balagopalan

Phone (909) 396-2704

Fax Phone (909) 396-3350

CC:

From:

Hani Zarifa

Phone (909) 391-5274

Fax Phone (909) 391-5319

REMARKS:

☐ Urgent ☐ For your review ☒ Reply ASAP ☐ Please comment

Your response to the attached letter is greatly appreciated.

Sam,

Could you approve this or should it go to Anaheim unit. This facility was inspected by Carmelita.

Thank.

Disapproved — See Commissioner Review

1/29/95

Mohan,

I informed Hani that he has to include the informations that R 109 (c)(1) requires. The alternative that I suggested to him is to only record on the day that new solvent is replenished since they empty two degreasers every month or so loads a drum and Laodan for a recycler. I advised that the daily recording with only ditto marks are necessary.

Carmelita 1/31/95

GE Aircraft Engines

Environmental, Health & Safety
General Electric Company
1923 E. Avion St., Ontario, CA 91761
Phone 714 391-5424/5274/5489

December 21, 1995

South Coast Air Quality Management District
P.O. Box 4944
Diamond Bar, CA 91765-0944

Attention: Mohan Balagopalan

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Your attention to this matter is greatly appreciated. If you have any questions, please call me at (909) 391-5274.

Sincerely,

R109 (c)(1)(

Hani Zarifa

Mohan Balagopalan

2.9 mm Hg VP @ 25°C
VOC

Stoddard Solvent

VOC Recordkeeping

The Stoddard Solvent / Flow Tank operation is used to clean and inspect metal jet engine parts that include bearings and other engine parts. The Tank dimensions are 41"L x 21"W x 20"H. The tank is exempt per rule SCAQMD Rule 219(l)(10) since its surface area is less than 10.8 square feet, and an internal volume of less than 92.5 gallons, and having an organic solvent loss of 3 gallons per day or less. Another exemption for permitting is the solvent having an initial boiling point of 150 C or 302 F or greater or using material with a VOC content of 2 percent (20g/l) or less by volume. However, per SCAQMD Rule 219(o), recordkeeping is required per Rule 109 to verify and maintain any exemption. SCAQMD Rule 1122(g) for remote reservoir cold cleaners also regulates this process requiring no leaks, closed lid when not in use, and no atomizing of the solvent. The Stoddard Solvent (Calibrating Fluid Type II) specifications are as follows:

Material Name	Method of Application	Vapor Pressure	VOC Content
Calibrating Fluid Type II or Stoddard Solvent	Part Cleaning and Inspection	2.9mmHg	100%

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To Carmelita Benitez	From HANI ZARIFA
Co. AQMD	Co. GE
Dept.	Phone # 909 391 5274
Fax # 909 396 3350	Fax # 909 391 5319

c:\word\8ovoc.doc

FLOW ROOM 1 inch = 3.75 gallons

STODDARD SOLVENT VOC RECORD KEEPING FORM

DATE	EMPLOYEE NAME & #	AMT USED	APPLICATION
Month/Day/Yr	Be Specific and print clearly	Ounces / Gallons	What specific part was the chemical used for
12/1/95	HANI ZARIFA	8½" Used Ø	Engine Parts Cleaning
12/4/95	" "	" "	" " "
12/5/95	" "	" "	" " "
12/6/95	" "	" "	" " "
12/7/95	" "	" "	" " "
12/8/95	" "	" "	" " "
12/11/95	" "	" "	" " "
12/12/95	" "	" "	" " "
12/13/95	" "	" "	" " "
12/14/95	" "	" "	" "
12/15/95	" "	" "	" " "
12/18/95	" "	" "	" " "
12/19/95	" "	" "	" " "
12/20/95	" "	" "	" " "
12/21/95	" "	" "	" " "
12/26/95	" "	" "	" " "
12/27/95	" "	" "	" " "
12/28/95	" "	" "	" " "
12/29/95	" "	" "	" " "
1/2/96	" "	8¼" "	" " "
1/3/96	" "	" "	" " "
1/4/96	" "	" "	" " "
1/5/96	" "	" "	" " "
1/8/96	" "	" "	" " "
1/9/96	" "	" "	" " "
1/10/96	" "	" "	" " "
1/11/96	" "	" "	" " "
1/12/96	" "	" "	" " "

EHS FORM 109

TRANSMISSION RESULT REPORT (JAN 31 '96 02:59PM)

SCAQMD ADMIN SERV 909 396 3350

(AUTO)

DATE	START TIME	REMOTE TERMINAL IDENTIFICATION	TIME	RE-SULTS	MODE	TOTAL PAGES	PERSONAL LABEL	FILE NO.
JAN 31	02:58PM	93915319	00'55"	OK	ES	03		017

E)ECM >)REDUCTION S)STANDARD D)DETAIL F)FINE

M)MEMORY C)CONFIDENTIAL $)TRANSFER P)POLLING #)BATCH

South Coast
AIR QUALITY MANAGEMENT DISTRICT
21865 E. Copley Drive, Diamond Bar, CA 91765-4182 (714) 396-2000

TELECOPY TRANSMITTAL FORM

Number of pages (including this page): 3 DATE: 1/31/96

TO: HANI ZAHRIFA FAX No. 909-391-5319

FROM: CARMELITA

SUBJECT: VOC RECORD KEEPING

MESSAGES/COMMENTS:

You may call at 909/396-3061 to verify that communication has been received.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 COPELY DRIVE - DIAMOND BAR, CA 91765-4182

NOTICE TO COMPLY

DATE OF INSPECTION 9/22/95

GENERAL ELECTRIC Co.
NAME

1923 E. AVION DR. ONTARIO 91761
MAILING ADDRESS CITY

SAME 011726
LOCATION-ADDRESS OF INSPECTION I.D. #

ONTARIO SH 909-391-5274
CITY SECTOR TELEPHONE #

YOU ARE DIRECTED TO COMPLY WITH

[X] CALIFORNIA HEALTH AND SAFETY SECTION(S)
42303

[X] SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS, RULE(S)

R 109

FAILURE TO COMPLY WITH

[ ] Section 42303 may result in the suspension of permits pursuant to Health and Safety Code Section 42304.

[ ] Other sections of the Health and Safety Code or District Rules is punishable by the imposition of criminal or civil penalties provided by law.

TO COMPLY YOU ARE REQUIRED TO

(1) SUBMIT FLOW DIAGRAM AND INFORMATION ON ALL EQUIPMENT VENTED TO SCRUBBER WITH P.O. E03290, and

(2) START KEEPING RECORDS OF USAGE OF VOC-CONTAINING PENETRANT SPRAY IN each of the 6 PENETRANT TESTING BOOTH

DUE DATE: 10/13/95

WHEN COMPLIANCE HAS BEEN ACHIEVED, PLEASE CALL THE UNDERSIGNED INSPECTOR AT THE TELEPHONE NUMBER LISTED BELOW.

SERVED TO: HANI W. ZARIFA Date 9/29/95

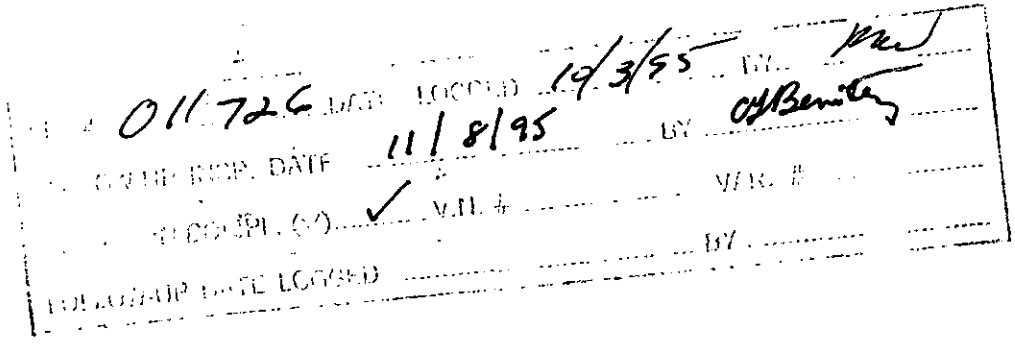
TITLE: SR. ENVT. ENGR BY: CARMELITA G. BERMEZ

TELEPHONE (909) 396-3061

No. A 21911

OFFICE OF STATIONARY SOURCE COMPLIANCE

FILE COPY


011726
DATE LOGGED 10/3/95 BY
DATE 11/8/95 BY
VTR #
BY

GE Aircraft Engines

Environmental, Health & Safety
General Electric Company
1923 E. Avion St., Ontario, CA 91761
Phone 714 391-5424/5274/5489

Certified Mail No. P069408980

October 10, 1995

South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4182

Attention: Mohan Balagopalan

This letter is in follow-up to the air inspection conducted by Ms. Carmelita Benitez on September 22, 1995 and the follow-up request for information dated September 29, 1995. Attached, you will find Figure 1 indicating the current layout of the cleaning line. The figure indicates all tank sizes, contents, and whether they are vented to the air scrubbers. Permit No. D57864, attached, was issued for hot and cold nickel stripping tanks containing nitric acid, which we no longer use. Since we have removed the hot nitric acid tank, which led to the previously issued permit, we request that you review the current layout to determine the necessity of a permit. The only nitric acid used on the cleaning line, indicated in figure 1, has a current permit No. D48559, attached, by which we will continue to operate. This small nitric acid tank has been relocated, but is still vented, to a safer area, where if any spills occur, they will be contained.

In Ms. Benitez's letter, she also indicated that we need to monitor usage of VOC containing penetrants in our penetrant inspection area. VOC records were reviewed during the inspection, as well as follow-up telephone conversations were held indicating that we have been keeping records of the VOC containing penetrants from the point of issue of the products, per Rule 109.

If you have any questions, please call me at (909) 391-5274.

Sincerely,

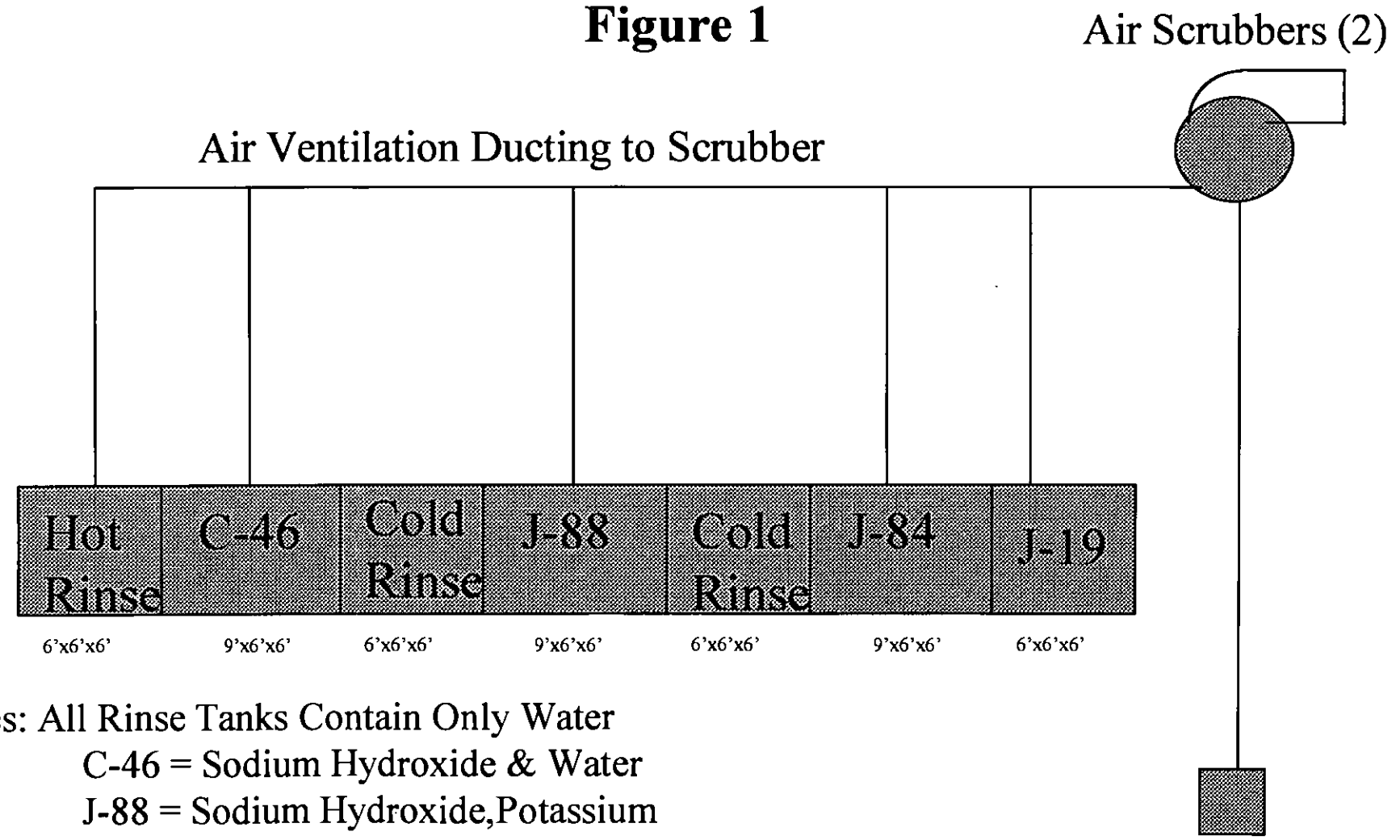
Hani Zarifa
Senior Environmental Engineer

cc: Carmelita Benitez, AQMD

Attachments
c:word:aqmd.doc

Cleaning Line Tanks Configuration

Figure 1



Notes: All Rinse Tanks Contain Only Water

C-46 = Sodium Hydroxide & Water

J-88 = Sodium Hydroxide,Potassium Permanganate & Water

J-84 = Sodium Hydroxide & Water

J-19 = Sodium Hydrogen Sulfate & Water

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No. D57864
A/N 201413 Page 1

This initial permit shall be renewed ANNUALLY unless the equipment is moved, or changes, ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: GENERAL ELECTRIC CO
1923 E AVION STREET
ONTARIO, CA 91761-7766
ATTN: DAVID W LU

ID: 011726

Equipment located at : SAME AS ABOVE

Equipment Description:

NITRIC ACID SURFACE PREPARATION LINE CONSISTING OF:

1. NICKEL STRIPPING, TANK No. T-7, 6'-0" L X6'-9" W X 5'-6" H, UNHEATED.
2. NICKEL STRIPPING, TANK No. T-12, 6'-6" L X6'-11" W X 5'-3" H, STEAM HEATED.
3. ASSOCIATED RINSE TANKS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THE FOLLOWING TANK(S) SHALL NOT BE HEATED:

   NICKEL STRIPPING TANK NO. T-7.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey
October 29, 1992

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D48559
A/N 233471
Page 1

This initial permit must be renewed by 11/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: GENERAL ELECTRIC COMPANY
1923 E. AVION STREET
ONTARIO, CALIFORNIA 91761
ATTN: D. W. LU

ID 11726

Equipment located at: SAME AS ABOVE

Equipment Description:

STRIP TANK, COLD, NITRIC ACID, 3.3' W. X 2.5' L. X 2.5' DEEP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By DORRIS M. BAILEY/ps
Principal Office Assistant
February 18, 1992

ORIGINAL

Run Date : 09/30/2005 03:02 PM

South Coast Air Quality Management District

Facility Equipment List Report

Facility: 61160 GE ENGINE SERVICES
Last Inspection: 09/30/2005
SIC: 3724
Inspector: NG02 NANCY GIBSON
Inspection Date: 09/30/2005
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:SH
Mailing Address: 1923 E AVION ST, ONTARIO 91761-7766 Sector:SH
Instruction:

MR: 0104
TS: TS-61 Toxics: VOC Soil Remedia
Facility Status: Active
Assignment No. 906085
Disposition: Operating in Compliance at time of inspection

Contact: IRENE SANTOSCOY (909) 9375000
Quarter: 0010 - inspect in 3rd quarter, every year
On Hold: N
Suspended: N
Facility Team: X1

RECLAIM: N TITLE V: Y SIP: AIR:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
Toxics 341152				555001	BCAT	INITIAL TITLE V PERMIT APPLICATION	03/23/1998	BANKING/ PLAN GRANTED
Toxics 376915	F36249	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UNDER	11/09/2000	PERMIT TO OPERATE GRANTED
376915	F36249	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s.	11/09/2000	PERMIT TO OPERATE GRANTED
Toxics 376916	F36253	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UNDER	11/09/2000	PERMIT TO OPERATE GRANTED
376916	F36253	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s.	11/09/2000	PERMIT TO OPERATE GRANTED
Toxics 376917	F36255	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UNDER	11/09/2000	PERMIT TO OPERATE GRANTED
376917	F36255	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s.	11/09/2000	PERMIT TO OPERATE GRANTED
376918	F36256	01/09/2001	ACTIVE	028100	BCAT	SOIL TREAT VAPOR EXTRACT OTHER VOC UNDER	11/09/2000	PERMIT TO OPERATE GRANTED
Toxics 376918	F36256	01/09/2001	ACTIVE	1C	CCAT	Activated Carbon Adsorber Drum Vent t.s.	11/09/2000	PERMIT TO OPERATE GRANTED
✓ 341149	F35578	12/06/2000	ACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	03/23/1998	PERMIT TO OPERATE GRANTED
✓ 341151	F34703	10/27/2000	ACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	02/23/1998	PERMIT TO OPERATE GRANTED
— 352626	F34664	10/26/2000	INACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	04/13/1999	PERMIT TO OPERATE GRANTED
— 311818	D97283	03/20/1996	INACTIVE	028000	BCAT	SOIL TREAT VAPOR EXTRACT GASOLINE UNDER	02/06/1996	PERMIT TO OPERATE GRANTED
— 311818	D97283	03/20/1996	INACTIVE	18	CCAT	ACTIVATED CARBON ADSORBER OTHER	02/06/1996	PERMIT TO OPERATE GRANTED
— 311820	D97284	03/20/1996	INACTIVE	028000	BCAT	SOIL TREAT VAPOR EXTRACT GASOLINE UNDER	02/06/1996	PERMIT TO OPERATE GRANTED
— 311820	D97284	03/20/1996	INACTIVE	18	CCAT	ACTIVATED CARBON ADSORBER OTHER	02/06/1996	PERMIT TO OPERATE GRANTED
— 311821	D97285	03/20/1996	INACTIVE	028000	BCAT	SOIL TREAT VAPOR EXTRACT GASOLINE UNDER	02/06/1996	PERMIT TO OPERATE GRANTED
— 311821	D97285	03/20/1996	INACTIVE	18	CCAT	ACTIVATED CARBON ADSORBER OTHER	02/06/1996	PERMIT TO OPERATE GRANTED
— 311822	D97286	03/20/1996	INACTIVE	028000	BCAT	SOIL TREAT VAPOR EXTRACT GASOLINE UNDER	02/06/1996	PERMIT TO OPERATE GRANTED
— 311822	D97286	03/20/1996	INACTIVE	18	CCAT	ACTIVATED CARBON ADSORBER OTHER	02/06/1996	PERMIT TO OPERATE GRANTED
— 287112	D78841	12/06/1993	INACTIVE	343900	BCAT	STORAGE TANK JET-A	11/15/1993	PERMIT TO OPERATE GRANTED
— 255988	D69216	02/03/1993	INACTIVE	000525	BCAT	REFINED OIL/WATER SEPARATOR	09/12/1991	PERMIT TO OPERATE GRANTED
— 145286	D64260	10/26/1992	INACTIVE	014700	BCAT	JET ENGINE TEST FACILITY OTHER FUEL	06/04/1986	PERMIT TO OPERATE GRANTED
— 231564	D34734	12/17/1990	INACTIVE	332900	BCAT	STORAGE TANK FUEL OIL	06/28/1990	PERMIT TO OPERATE GRANTED
— 227600	D34735	12/17/1990	INACTIVE	341900	BCAT	STORAGE TANK JP-4	05/03/1990	PERMIT TO OPERATE GRANTED
— 201405	D12852	12/08/1989	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	06/02/1989	PERMIT TO OPERATE GRANTED
— 201406	D12853	12/08/1989	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	06/02/1989	PERMIT TO OPERATE GRANTED

Inspector: Nancy Gibson Date: 9/30/05 Reviewed By: [signature] Date: _____

South Coast Air Quality Management District

Facility Equipment List Report

Facility: 61160 GE ENGINE SERVICES
Last Inspection: 09/30/2005
SIC: 3724
Inspector: NG02 NANCY GIBSON
Inspection Date: 09/30/2005
Location Address: 2264 AVION PL, ONTARIO 91761 Sector:SH
Mailing Address: 1923 E AVION ST, ONTARIO 91761-7766 Sector:SH
Instruction:

MR: 0104 Contact: IRENE SANTOSCOY (909) 9375000
TS: TS-61 Toxics: VOC Soil Remedia Quarter: 0010 - inspect in 3rd quarter, every year
Facility Status: Active On Hold: N Suspended: N
Assignment No. 906085 Facility Team: X1
Disposition: Operating in Compliance at time of inspection

RECLAIM: N TITLE V: Y SIP: AIR:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
201407	D12854	12/05/1989	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	06/02/1989	PERMIT TO OPERATE GRANTED
169570	D02488	09/21/1988	INACTIVE	248900	BCAT	STORAGE TANK GASOLINE	05/09/1988	PERMIT TO OPERATE GRANTED
169571	D02487	09/21/1988	INACTIVE	248900	BCAT	STORAGE TANK GASOLINE	05/09/1988	PERMIT TO OPERATE GRANTED
10556B	10556B	06/16/1976	INACTIVE	033709	BCAT	TURBINE ENGINE (>50 MW) OTHER FUEL	01/01/1990	PERMIT TO OPERATE GRANTED

Report: September 30, 2005:

I arrived at GE Engine services for a Title V and annual compliance inspection. I met with Environmental Health & Safety Generalist Brett C. Boston and EHS Site Focal Point Bradley Grubbs. I was accompanied by both Mr. Boston and Mr. Grubbs during the facility inspection.

GE Engine Services conducts aircraft engine overhauls and testing. The majority of the facility is for aircraft engine maintenance. The two Jet Engine Test Facility/Test Cells, Permit F35578 and Permit F34664 are located at 2264 Avion Place. A test cell is a large engine mount with an exhaust stack. Test Cell #1 is not in operation at this time. Test Cell #1 has a stack height of 45 feet 7 inches. Test Cell #2 has a stack height of 58 feet and 2 inches (measured on previous inspection). Records are maintained of fuel usage and this is used to calculate pollutant emissions based on engine-specific emission factors. Records show compliance with daily and 30-day average emissions. Soil units were not in operation at the time of my inspection and are only operated on an as needed basis. Records are maintained of ppm concentrations based on readings from a PID.

All wipe cleaning of engines is done with acetone. No plating or painting is done on site. Rule 219 equipment includes <50 HP emergency generators.

All Title V annual and semi-annual compliance certifications have been submitted.

The facility is in compliance with District Rules and Regulations.

Inspector: Nancy Gibson Date: 9/30/05 Reviewed By: [signature] Date: 10/5/05

NAME: BEECHCRAFT WEST — QTRLY

STREET CODE: 07/04/91 — ALPHA NO. 71 78 — T S 79-80 82

ADDRESS OF PREMISES: 2161 E AVION ST — CITY: ONTARIO — 91761-7770

CHECKED BY: H/S- / AMW — INSPECTED BY: Steve Evans

MAILING ADDRESS: 2161 E AVION ST — CITY: ONTARIO — STATE ZIP: CA 91761-7770

STATUS: 54 — CONTINUE / NEW / NEW N. S. / OUT OF BUS. / BECAME N. S.

SECTOR	I. D. NUMBER	I.F.	MR. NO.	DATE THIS INSP. MO.	DAY	YEAR	RAD. REQ.	QUART ASGN.	LIST NO.	WORK ACCOMPLISHED PER ITEM NO.	W.U.			O. T.	E.D.P. ASGN. NO.			NO. OF INSPECTOR
6-7	8 14	16	18 21	22		23-24	25	26		27-29	30-33	34-36	37-40	41	42		53	55-56
SH	039787	2	0102	09	06	91		3	11	6	0		RE	CA	1010	CLCO		R-58

CONTINUE: 6 ✓ — NEW: 5 — NEW N. S.: N — OUT OF BUS.: 8 — BECAME N. S.: 7 — J — M

REMARKS: Class 'B' aircraft refueling facility at Ontario Airport. In compliance with Rule 462. All equipment listed under new permit M95369

ENFORCEMENT DIV. - EQUIPMENT LIST

SOUTH COAST A.Q.M.D.

PERMITTED EQUIPMENT

ITEM	ACTION	EQ. CAT. NO.	PERMIT DESCRIPTION	T	PERMIT NO.	PC	PERMIT DATE	APPL. NO.	WU	NA	
1	✓		AVGAS AND AUTO FUEL FARM PAD			20	11/16/89	215003			50 ALTERATION
		24011200	BULK LOAD TRK (1 RACK)ETHYLENE DICHLOR								
2	✓		JET-A FUEL DISPENSING PAD	B		20	11/16/89	215004			50 ALTERATION
		24011200	BULK LOAD TRK (1 RACK)ETHYLENE DICHLOR								
3	✓		TANK #1	B		20	11/16/89	215005			50 ALTERATION
		29990000	STORAGE TANK MISC MATERIALS								
4	✓		TANK #2	B		20	11/16/89	215006			50 ALTERATION
		29990000	STORAGE TANK MISC MATERIALS								
5	✓		TANK #3	B		20	11/16/89	215007			50 ALTERATION
		29990000	STORAGE TANK MISC MATERIALS								

ENTERED

ENFORCEMENT DIV. - EQUIPMENT LIST

NAME: BEECHCRAFT WEST — QTRLY

STREET CODE: 2 5 — DATE: 07/04/91

ALPHA NO.: 71 78

T S: 79-80 82

ADDRESS OF PREMISES: 2161 E AVION ST — CITY: ONTARIO — 91761-7770

CHECKED BY: H/S- DM

INSPECTED BY: Steve Evans

MAILING ADDRESS: 2161 E AVION ST — CITY: ONTARIO — STATE ZIP: CA 91761-7770

STATUS 54: CONTINUE | NEW | NEW N.S. | OUT OF BUS. | BECAME N.S. | NO. OF INSPECTOR

SECTOR	I. D. NUMBER	I.F.	MR. NO.	DATE THIS INSP. MO.	DAY	YEAR	RAD. REQ.	QUART ASGN.	LIST NO.	WORK ACCOMPLISHED PER ITEM NO.	W.U.			O. T.	E.D.P. ASGN. NO.			CONTINUE	NEW	NEW N.S.	OUT OF BUS.	BECAME N.S.	NO. OF INSPECTOR
6-7	8 14	16	18 21	22		23-24	25	26		27-29	30-33	34-36	37-40	41	42		53	6	5	N	8	7	J	M	55-56
SH	039787	2	0102	09	06	91		3	11	6	0		RE	CA	1010	CLCO		✓							R-578

REMARKS: Class 'B' aircraft refueling facility at Ontario Airport. In compliance with Rule 462. All equipment listed under M-95369

PERMITTED EQUIPMENT

ITEM	ACTION	EQ. CAT. NO.	PERMIT DESCRIPTION	T	PERMIT NO.	PC	PERMIT DATE	APPL. NO.	WU	NA
6	✓		FUEL DISPENSING SYSTEMS	B	M95369	10	08/21/90	218759	0	
		24891591	SERV STAT STORAGE & DISPENSING GASOLIN							
			461							

SOUTH COAST A.Q.M.D.

4-24-79
✓ #268860
$ 55

A-Lepe WRS RCS

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CK INT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

1a. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY

1b. NONE

2a. MAILING ADDRESS: ONTARIO INT'AL AIRPORT, ONTARIO, CA 2b. 91761

3a. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): SAME 3b. VINEYARD AVE

4a. CONTACT PERSON (INDIVIDUAL'S NAME): S.W. SHOFF 4b. CONTACT PHONE NO. (AREA CODE & NO.): (714) 986-6731 EXT 204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT: AUTOSONICS - VAPOR DEGREASER WITH COLD TRAP

6a. PRIMARY AIR POLLUTION CONTROL EQUIP.: REFRIGERATED FREEBOARD CHILLER 6b. SECONDARY AIR POLLUTION CONTROL EQUIP.: MODEL No. 202 COLD TRAP

7a. BOILER OPERATING CAPACITY — (THOUSANDS OF BTU/HR.) 7b. BOILER STEAM USED FOR SPACE HEAT —

8. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NONE NONE

9. PERMIT APPLICATION: (X) NEW CONSTRUCTION [X] ALTERATION [ ] CHANGE OF LOCATION [ ] CHANGE OF OWNERSHIP [ ]

10. TYPE OF ORGANIZATION: (X) CORPORATION [X] PARTNERSHIP [ ] INDIVIDUAL OWNER [ ] LOCAL GOV'T. AGENCY [ ] STATE AGENCY [ ] FEDERAL AGENCY [ ] UTILITY [ ]

11. NO. OF EMPLOYEES AT THIS LOCATION: 470 12. HOURS OF OPERATION: 16 0

13. ESTIMATED COST OF EQUIPMENT OR ALTERATION: BASIC EQUIPMENT: 23,000 (13-21) AIR POLLUTION CONTROL EQUIPMENT: UNKNOWN (22-30) COST OF INSTALLATION: UNKNOWN (31-39)

14. FOR NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS ESTIMATED STARTING DATE: FEB. 19, 1979 ESTIMATED COMPLETION DATE: MAR. 30 1979

15. GENERAL NATURE OF BUSINESS: JET ENGINE REPAIR SHOP 16. PRINCIPAL PRODUCT: SERVICE

17. % ANNUAL THROUGHPUT BY QUARTERS: DEC-FEB 25 (36-37), MAR-MAY 25 (38-39), JUN-AUG 25 (40-41), SEP-NOV 25 (42-43)

18. DO YOU CLAIM CONFIDENTIALITY OF DATA? YES [ ] NO [X] IF YES, STATE REASON ON DATA OR ITEM NO.

19. ANNUAL OPERATING HOURS OF SOURCE/EQUIPMENT: HOURS/DAY 16, DAYS/WEEK 6, WEEKS/YEAR 50 (43-45)

20. SIGNATURE OF RESPONSIBLE OFFICER OF CORPORATION: Delton Sutton 21. OFFICIAL TITLE OF OFFICER: FACILITIES ENGINEER

22. TYPED OR PRINTED NAME OF OFFICER: DELTON SUTTON 23. PHONE NO.: (714) 986-6731 24. DATE: 14 MAR 79

APCD USE ONLY

STATE (46-47) CA; COUNTY (48-50) 036; AQCR (51-53) 054; CITY (54-56); DIST. (57-59); DATE (60-65) 4-27-79

C.O. (66-68); S.I.C. (69-72); SIC (73-74); SIC (75-76); PT. SRCE NO. (77-79); POINT SRCE NO. (80-82); REGIS. CERT. NO. 000223 04

APPLICATION NO. (1-5) 00720E; PERMIT NO. (6-12) E03289; TYPE (13-14) G 0; 2; 3; RCS; CLASS (15) (1)

VALIDATION (16-17) SCAQMD 028; 50000a 827R; CAT.; FILING FEE: 50.00; CHECK OR MONEY ORDER NO. 268860

050.00-50 fee. Appl 01509B) 299789

ARF-25.00

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

22. SUPPLEMENTARY INFORMATION FOR EACH STACK OR EMISSION POINT:

STACK NO.	(a) HEIGHT	(b) DIAMETER	(c) TEMP.	(d) FLOW RATE	(e) VELOCITY
1					
2					
3					

(IF MORE THAN 3, LIST ON A SEPARATE SHEET)

(a) HEIGHT - DISTANCE ABOVE GROUND LEVEL TO DISCHARGE POINT, FEET.

(b) DIAMETER OF DISCHARGE POINT TO NEAREST TENTH FOOT. NOTE: IF NOT CIRCULAR INSERT DIAMETER OF EQUIVALENT CIRCULAR AREA. USING A MEASURED OR ESTIMATED CROSS-SECTIONAL AREA (A, IN SQUARE FEET), THE EQUIVALENT DIAMETER (D_e, IN FEET) MAY BE CALCULATED:

$$D_e = 1.128 \sqrt{A}$$

(c) TEMPERATURE AT DISCHARGE POINT IN °F, ACTUAL OR ESTIMATED TO NEAREST 50°F.

(d) FLOW RATE AT DISCHARGE POINT IN ACTUAL CUBIC FEET PER MINUTE (ACFM).

(e) VELOCITY OF DISCHARGE IN FT/SEC, DESIGN OR MEASURED RATE.

23. REMARKS

IF YOU WISH TO SPECIFY PROCESS INFORMATION AS PROPRIETARY OR CONFIDENTIAL, SPACE IS PROVIDED FOR THIS PURPOSE. HOWEVER, THE KINDS AND RATES OF EMISSIONS MAY NOT BE HELD CONFIDENTIAL. BY STATE LAW EMISSIONS ARE SUBJECT TO PUBLIC DISCLOSURE.

Accept w/RS
ECS

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

OK Any

PLEASE TYPE OR PRINT

1a. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY

1b. NONE

2a. MAILING ADDRESS: ONTARIO INT'AL AIRPORT, ONTARIO, CA 2b. 91761

3a. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): SAME 3b. VINEYARD AVE

4a. CONTACT PERSON (INITIALS & NAME): S.H. SHOFF 4b. CONTACT PHONE NO. (AREA CODE & NO.): (714) 986-6731 EXT 204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT: I.C.M. 4800 SUPERHOUSE STYLE III GRIT-BLAST CLEANING MACHINE Abrasive Blast ~~I.C.M. 4800~~ Grit Blast #2

6a. PRIMARY AIR POLLUTION CONTROL EQUIP.: DUST COLLECTOR 6b. SECONDARY AIR POLLUTION CONTROL EQUIP.: —

7a. BOILER OPERATING CAPACITY — (THOUSANDS OF BTU/HR.) 7b. IF BOILER STEAM USED FOR SPACE HEAT —

8. IF THIS EQUIPMENT HAD A PREVIOUS DISTRICT PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NONE NONE

9. PERMIT APPLICATION: (X) NEW CONSTRUCTION ( ) ALTERATION ( ) CHANGE OF LOCATION ( ) CHANGE OF OWNERSHIP

10. TYPE OF ORGANIZATION: (X) CORPORATION ( ) PARTNERSHIP ( ) INDIVIDUAL OWNER ( ) LOCAL GOVT. AGENCY ( ) STATE AGENCY ( ) FEDERAL AGENCY ( ) UTILITY

11. NO. OF EMPLOYEES AT THIS LOCATION: 470

12. AREA OF PROPERTY: 16.0 ACRES

13. ESTIMATED COST OF EQUIPMENT OR ALTERATION: BASIC EQUIPMENT $8,000 (13-31) CONTROL EQUIPMENT $2,300 (13-38) INSTALLATION UNKNOWN (13-45)

14. FOR NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS ESTIMATED STARTING DATE? — ESTIMATED COMPLETION DATE? —

15. GENERAL NATURE OF BUSINESS: JET ENGINE REPAIR SHOP

16. PRINCIPAL PRODUCT: SERVICE - ENGINES

17. % ANNUAL THROUGHPUT OF SOLVENTS: DEC-FEB 25, MAR-MAY 25, JUN-AUG 25, SEP-NOV 25 (17-32)

18. DO YOU CLAIM CONFIDENTIALITY OF DATA? ( ) YES (X) NO (18-33) IF YES, STATE REASONS ON SEPARATE SHEET

19. ANNUAL OPERATING HOURS OF SUBJECT EQUIPMENT: 5 DAYS/WEEK, 6 WEEKS/YEAR, 50 (19-39)

20. SIGNATURE OF RESPONSIBLE OFFICER OF ORGANIZATION: Delton Sutton 21. OFFICIAL TITLE OF OFFICER: FACILITIES ENGINEER

22. TYPED OR PRINTED NAME OF OFFICER: DELTON SUTTON 23. PHONE NO.: (714) 986-6731 24. DATE: 13 MAR 79

APCD USE ONLY

STATE	COUNTY	CITY	5380		4-27-79
CD		4582			000284 12
APPLICATION NO. 00724E	PERMIT NO. E03293	0	5 5	RECEIVED AF	
50000 032	50000a 827K	50.00		CHECK OR MONEY ORDER NO.	268860
C.A.O.		50.00		CHECK OR MONEY ORDER NO.	299789

Form 400A – REVISED 12-1-76. PRIOR VERSIONS NOT VALID ARF-30.00 (Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

22. SUPPLEMENTARY INFORMATION FOR EACH STACK OR EMISSION POINT:

STACK NO.	(a) HEIGHT	(b) DIAMETER	(c) TEMP.	(d) FLOW RATE	(e) VELOCITY
1					
2					
3					

(IF MORE THAN 3, LIST ON A SEPARATE SHEET)

(a) HEIGHT - DISTANCE ABOVE GROUND LEVEL TO DISCHARGE POINT, FEET.
(b) DIAMETER OF DISCHARGE POINT TO NEAREST TENTH FOOT. NOTE: IF NOT CIRCULAR INSERT DIAMETER OF EQUIVALENT CIRCULAR AREA. USING A MEASURED OR ESTIMATED CROSS-SECTIONAL AREA (A, IN SQUARE FEET), THE EQUIVALENT DIAMETER (D_e, IN FEET) MAY BE CALCULATED:

$$D_e = 1.128 \sqrt{A}$$

(c) TEMPERATURE AT DISCHARGE POINT IN °F, ACTUAL OR ESTIMATED TO NEAREST 50°F.
(d) FLOW RATE AT DISCHARGE POINT IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
(e) VELOCITY OF DISCHARGE IN FT/SEC, DESIGN OR MEASURED RATE.

23. REMARKS

IF YOU WISH TO SPECIFY PROCESS INFORMATION AS PROPRIETARY OR CONFIDENTIAL, SPACE IS PROVIDED FOR THIS PURPOSE. HOWEVER, THE KINDS AND RATES OF EMISSIONS MAY NOT BE HELD CONFIDENTIAL. BY STATE LAW EMISSIONS ARE SUBJECT TO PUBLIC DISCLOSURE.

Accept. w/s
PCS

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

1a. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY

1b. NONE

2a. MAILING ADDRESS: ONTARIO INT'AL AIRPORT, ONTARIO, CA 91761

3a. EQUIPMENT LOCATION: SAME 3b. VINEYARD AVE

4a. CONTACT PERSON: S. H. SHOFF 4b. (714) 986-6731 EXT 204

5. EQUIPMENT, APPLICATION TO MODIFY AND/OR FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT: I.C.M. SS 400-E DUST COLLECTOR #2

6a. PRIMARY AIR POLLUTION CONTROL EQUIP.

6b. SECONDARY AIR POLLUTION CONTROL EQUIP.

7a. BOILER OPERATING CAPACITY ___ THOUSANDS OF BTU/HR.

7b. IF BOILER STEAM USED FOR SPACE HEAT ___

8. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.

NONE NONE

9. PERMIT APPLICATION: (X) NEW CONSTRUCTION ( ) ALTERATION ( ) CHANGE OF LOCATION ( ) CHANGE OF OWNERSHIP

10. TYPE OF ORGANIZATION: (X) CORPORATION ( ) PARTNERSHIP ( ) INDIVIDUAL OWNER ( ) LOCAL GOVT. AGENCY ( ) STATE AGENCY ( ) FEDERAL AGENCY ( ) OTHER

11a. NO. OF EMPLOYEES AT THIS LOCATION: 470

11b. HOURS PER SHIFT: 10.0

12. ESTIMATED COST OF EQUIPMENT OR ALTERATION: ≈2,300 — UNKNOWN

13. FOR NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS ESTIMATED STARTING DATE? ___ ESTIMATED COMPLETION DATE? ___

14a. GENERAL NATURE OF BUSINESS: JET ENGINE REPAIR SHOP

14b. PRINCIPAL PRODUCT: SERVICE - ENGINES

15. NORMAL HOURS OF OPERATION: DAYS PER WEEK 5, HOURS PER DAY 8, WEEKS PER YEAR 50

16. DO YOU CLAIM CONFIDENTIALITY OF DATA? YES ( ) NO (X)

17. SIGNATURE OF RESPONSIBLE OFFICER OR AGENT: Delton Sutton

18. OFFICIAL TITLE OF SIGNER: FACILITIES ENGINEER

19. TYPED OR PRINTED NAME OF SIGNER: DELTON SUTTON

20. PHONE NO.: (714) 986-6731 21. DATE: 13 MAR 79

FOR DISTRICT USE ONLY

STATE: CA COUNTY: 36 DIST: 5 CITY: 5330 DATE: 4-27-79

FEE CODE: 4582 000284 21C

APPLICATION NO.: 00725E PERMIT NO.: E03294 TYPE: 6 10 10 RES 0

VALIDATION: 033 500000 8278 FILING FEE: 50.00 CHECK OR MONEY ORDER NO.: 268860

PERMIT FEE: 50.00 CHECK OR MONEY ORDER NO.: 299789

CDD ARF-30.00

Form 400A — REVISED 12-1-76. PRIOR VERSIONS NOT VALID

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

22. SUPPLEMENTARY INFORMATION FOR EACH STACK OR EMISSION POINT:

STACK NO.	(a) HEIGHT	(b) DIAMETER	(c) TEMP.	(d) FLOW RATE	(e) VELOCITY
1					
2					
3					

(IF MORE THAN 3, LIST ON A SEPARATE SHEET)

(a) HEIGHT - DISTANCE ABOVE GROUND LEVEL TO DISCHARGE POINT, FEET.
(b) DIAMETER OF DISCHARGE POINT TO NEAREST TENTH FOOT. NOTE: IF NOT CIRCULAR INSERT DIAMETER OF EQUIVALENT CIRCULAR AREA. USING A MEASURED OR ESTIMATED CROSS-SECTIONAL AREA (A, IN SQUARE FEET), THE EQUIVALENT DIAMETER (D_e, IN FEET) MAY BE CALCULATED:

$$D_e = 1.128 \sqrt{A}$$

(c) TEMPERATURE AT DISCHARGE POINT IN °F, ACTUAL OR ESTIMATED TO NEAREST 50°F.
(d) FLOW RATE AT DISCHARGE POINT IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
(e) VELOCITY OF DISCHARGE IN FT/SEC, DESIGN OR MEASURED RATE.

23. REMARKS

IF YOU WISH TO SPECIFY PROCESS INFORMATION AS PROPRIETARY OR CONFIDENTIAL, SPACE IS PROVIDED FOR THIS PURPOSE. HOWEVER, THE KINDS AND RATES OF EMISSIONS MAY NOT BE HELD CONFIDENTIAL. BY STATE LAW EMISSIONS ARE SUBJECT TO PUBLIC DISCLOSURE.

Accept UMS
RCS

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

1a. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY

1b. NONE

2a. MAILING ADDRESS: ONTARIO INT'AL AIRPORT, ONTARIO, CA 2b. 91761

3a. EQUIPMENT LOCATION IF SAME ENTER "SAME": SAME 3b. VINEYARD AVE

4a. CONTACT PERSON (INITIALS & NAME): S.H. SHOFF 4b. CONTACT PHONE NO. (AREA CODE & NO.): (714) 986-6731 EXT 204

5. EQUIPMENT: APPLICATION (MACHINE) FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:
VACU BLAST CORP. — GRIT BLAST CLEANING MACHINE.
MODEL J-0008 SERIAL NO. 3-740812 ~~Abrasive Blast Cabinet~~

6a. PRIMARY AIR POLLUTION CONTROL EQUIP.: DUST COLLECTOR 6b. SECONDARY AIR POLLUTION CONTROL EQUIP.: —

7a. BOILER OPERATING CAPACITY — (THOUSANDS OF BTU/HR.) 7b. IS BOILER STEAM USED FOR SPACE HEAT? —

8. IF THIS EQUIPMENT HAD A PREVIOUS PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NONE NONE

9. PERMIT APPLICATION: 9a. NEW CONSTRUCTION [X]; ALTERATION [ ]; CHANGE OF LOCATION [ ]; CHANGE OF OWNERSHIP [ ]

9b. TYPE OF ORGANIZATION: CORPORATION [X]; PARTNERSHIP [ ]; INDIVIDUAL OWNER [ ]; LOCAL GOVT. AGENCY [ ]; STATE AGENCY [ ]; FEDERAL AGENCY [ ]; UTILITY [ ]

9c. NO. OF EMPLOYEES AT THIS LOCATION: 470 9d. CODE OF: 16.0

10. ESTIMATED COST OF EQUIPMENT OR ALTERATION: EQUIPMENT $30,000 (10-21); AIR POLLUTION CONTROL EQUIPMENT ≈ $3,000 (22-28); ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT UNKNOWN (29-35)

11. FOR THIS NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

12a. GENERAL NATURE OF BUSINESS: JET ENGINE REPAIR SHOP 12b. PRINCIPAL PRODUCT: SERVICE

13a. % ANNUAL THROUGHPUT OF SOLVENTS: DEC-FEB 25 (36-37); MAR-MAY 25 (38-39); JUN-AUG 25 (40-41); SEP-NOV 25 (42-43)

13b. DO YOU CLAIM CONFIDENTIALITY OF DATA? YES [ ]; NO [X]; IF YES, STATE REASON IN REG. 12

13c. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT: HOURS PER DAY 5; DAYS/WEEK 6 (44-45); WEEKS PER YEAR 50

14. SIGNATURE OF RESPONSIBLE OFFICER OF ORGANIZATION: Melton Sutton 15. OFFICIAL TITLE OF SIGNER: FACILITIES ENGINEER

16. TYPED OR PRINTED NAME OF SIGNER: DELTON SUTTON 17. PHONE NO.: (714) 986-6731 18. DATE: 14 MAR 79

APCD USE ONLY

STATE	COUNTY		CITY 53980			DATE 4-27-79	
		SIC 4582				000284 21 B	
APPLICATION NO. 00726E	PERMIT NO. E03295	TYPE 0			RCS		
VALIDATION CARB 034	50000a 5272	FILING FEE: 50.00			CHECK OR MONEY ORDER NO. 268860		
CAD		PERMIT FEE: 30.00			CHECK OR MONEY ORDER NO. 299789		

ARF-30.00

Form 400A – REVISED 12-1-76. PRIOR VERSIONS NOT VALID

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

22. SUPPLEMENTARY INFORMATION FOR EACH STACK OR EMISSION POINT:

STACK NO.	(a) HEIGHT	(b) DIAMETER	(c) TEMP.	(d) FLOW RATE	(e) VELOCITY
1					
2					
3					

(IF MORE THAN 3, LIST ON A SEPARATE SHEET)

(a) HEIGHT - DISTANCE ABOVE GROUND LEVEL TO DISCHARGE POINT, FEET.
(b) DIAMETER OF DISCHARGE POINT TO NEAREST TENTH FOOT. NOTE: IF NOT CIRCULAR INSERT DIAMETER OF EQUIVALENT CIRCULAR AREA. USING A MEASURED OR ESTIMATED CROSS-SECTIONAL AREA (A, IN SQUARE FEET), THE EQUIVALENT DIAMETER (D_e, IN FEET) MAY BE CALCULATED:

$$D_e = 1.128 \sqrt{A}$$

(c) TEMPERATURE AT DISCHARGE POINT IN °F, ACTUAL OR ESTIMATED TO NEAREST 50°F.
(d) FLOW RATE AT DISCHARGE POINT IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
(e) VELOCITY OF DISCHARGE IN FT/SEC, DESIGN OR MEASURED RATE.

23. REMARKS

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

OK

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

1a. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY

1b. NONE

1c. MAILING ADDRESS: ONTARIO INT'AL AIRPORT, ONTARIO, CA 91761

1d. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): SAME

1e. VINEYARD AVE

1f. CONTACT PERSON (NAME & TITLE): S. H. SHOFF

1g. CONTACT PHONE NO. (AREA CODE): (714) 986-6731 EXT 204

2. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE VACU BLAST COMP. – DUST COLLECTOR MODEL MK IIIF SERIAL NO V-740802

3a. PRIMARY AIR POLLUTION CONTROL EQUIP.

3b. SECONDARY AIR POLLUTION CONTROL EQUIP.

4a. BOILER OPERATING CAPACITY — (THOUSANDS OF BTU/HR.) 4b. IS BOILER STEAM USED FOR SPACE HEAT —

5. IF THIS EQUIPMENT HAS A PREVIOUS DISTRICT PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.

NONE — NONE

6. PERMIT APPLICATION: (X) NEW CONSTRUCTION; ( ) ALTERATION; ( ) CHANGE OF LOCATION; ( ) CHANGE OF OWNERSHIP

7. TYPE OF ORGANIZATION: (X) CORPORATION; ( ) PARTNERSHIP; ( ) INDIVIDUAL OWNER; ( ) LOCAL GOVT. AGENCY; ( ) STATE AGENCY; ( ) FEDERAL AGENCY; ( ) UTILITY

8. NO. OF EMPLOYEES AT THIS LOCATION: 470

9. HOURS OF OPERATION: 160

10. ESTIMATED COST OF EQUIPMENT OR ALTERATION: EQUIPMENT $ — AIR POLLUTION CONTROL EQUIPMENT $ ≈4,000 — ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ UNKNOWN

11. FOR NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS ESTIMATED STARTING DATE? — ESTIMATED COMPLETION DATE?

12. GENERAL NATURE OF BUSINESS: JET ENGINE REPAIR SHOP

13. PRINCIPAL PRODUCT: SERVICE

14. % ANNUAL THROUGHPUT BY QUARTERS: DEC-FEB 25, MAR-MAY 25, JUN-AUG 25, SEP-NOV 25

15. DO YOU CLAIM CONFIDENTIALITY OF DATA? ( ) YES (X) NO — IF YES, STATE REASON

16. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT: DAYS/DAY 5; DAYS/WEEK 6; WEEKS/YEAR 50

17. SIGNATURE OF RESPONSIBLE OFFICER OF ORGANIZATION: Delton Sutton

18. OFFICIAL TITLE OF SIGNER: FACILITIES ENGINEER

19. TYPED OR PRINTED NAME OF SIGNER: DELTON SUTTON

20. PHONE NO.: (714) 986-6731

21. DATE: 14 MAR 79

APCD USE ONLY

STATUS: — COUNTY: — AQCR: — CITY: 5380 — DATE: 4-27-79

SIC: 4582 — ID: — ST. LIST NO.: — ALPHA LIST NO.: — BOOK/PAGE: B00284/21

APPLICATION NO.: 00727E — PERMIT NO.: E03296 — TYPE: (16) — CLASS: (1) — RGS

VALIDATION: SCAQMD 035 50000 8272 — C90

FILING FEE: 150.00 — CHECK OR MONEY ORDER NO.: 268860

PERMIT FEE: 150.00 — CHECK OR MONEY ORDER NO.: 299789

ARF - $30.00

Form 400A – REVISED 12-1-76. PRIOR VERSIONS NOT VALID

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

22. SUPPLEMENTARY INFORMATION FOR EACH STACK OR EMISSION POINT:

STACK NO.	(a) HEIGHT	(b) DIAMETER	(c) TEMP.	(d) FLOW RATE	(e) VELOCITY
1					
2					
3					

(IF MORE THAN 3, LIST ON A SEPARATE SHEET)

(a) HEIGHT - DISTANCE ABOVE GROUND LEVEL TO DISCHARGE POINT, FEET.
(b) DIAMETER OF DISCHARGE POINT TO NEAREST TENTH FOOT. NOTE: IF NOT CIRCULAR INSERT DIAMETER OF EQUIVALENT CIRCULAR AREA. USING A MEASURED OR ESTIMATED CROSS-SECTIONAL AREA (A, IN SQUARE FEET), THE EQUIVALENT DIAMETER (D_e, IN FEET) MAY BE CALCULATED:

$$D_e = 1.128 \sqrt{A}$$

(c) TEMPERATURE AT DISCHARGE POINT IN °F, ACTUAL OR ESTIMATED TO NEAREST 50°F.
(d) FLOW RATE AT DISCHARGE POINT IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
(e) VELOCITY OF DISCHARGE IN FT/SEC, DESIGN OR MEASURED RATE.

23. REMARKS

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Accounts RCS

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

OK JDV

PLEASE TYPE OR PRINT

1a. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY

1b. NONE

2a. MAILING ADDRESS: ONTARIO INTAL AIRPORT, ONTARIO CA 2b. 91761

3a. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): SAME 3b. VINEYARD AVE

4a. CONTACT PERSON (INITIALS & NAME): S. H. SLOFF 4b. CONTACT PHONE NO. (AREA & NO.): (714) 986-6731 EXT 204

5. EQUIPMENT: APPLICATION TO MODIFY AND FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT: BINKS MFG. CO - DYNAPEC/PTOC WATER WASH SPRAY BOOTH #1 (PAINT SPRAY BOOTH)

6a. PRIMARY AIR POLLUTION CONTROL EQUIP.: WATERWASH 6b. SECONDARY AIR POLLUTION CONTROL EQUIP.: FILTERING

7a. BOILER OPERATING CAPACITY — (THOUSANDS OF BTU/HR.) 7b. IF BOILER STEAM USED FOR SPACE HEAT —

8. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NONE NONE

9. PERMIT APPLICATION: [X] NEW CONSTRUCTION [ ] ALTERATION [ ] CHANGE OF LOCATION [ ] CHANGE OF OWNERSHIP

10. TYPE OF ORGANIZATION: [X] CORPORATION [ ] PARTNERSHIP [ ] INDIVIDUAL OWNER [ ] LOCAL GOVT. AGENCY [ ] STATE AGENCY [ ] FEDERAL AGENCY [ ] OTHER

11a. NO. OF EMPLOYEES AT THIS LOCATION: 470 11b. YEARS OF OPERATION: 16.0

12. ESTIMATED COST OF EQUIPMENT OR ALTERATION: EQUIPMENT $8,000 (13-21); POLLUTION CONTROL EQUIPMENT UNKNOWN (22-30); INSTALLATION COST OF CONTROL EQUIPMENT UNKNOWN (31-39)

13. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS ESTIMATED STARTING DATE? — ESTIMATED COMPLETION DATE? —

14a. GENERAL NATURE OF BUSINESS: JET ENGINE REPAIR SHOP 14b. PRODUCTS: SERVICE

15a. % ANNUAL THROUGHPUT BY QUARTERS: DEC-FEB 25, MAR-MAY 25, JUN-AUG 25, SEP-NOV 25 (36-39, 40-43, 44-47, 48-51)

15b. DO YOU CLAIM CONFIDENTIALITY OF DATA? YES [ ] NO [X] IF YES, STATE NATURE OF DATA TO BE CLAIMED

15c. NORMAL OPERATING HOURS OF SOURCE EQUIPMENT: HOURS/DAY 5, DAYS/WEEK 5, WEEKS/YEAR 50 (63-70)

16a. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Delton Sutton 16b. OFFICIAL TITLE OF SIGNER: FACILITIES EGR

16c. TYPED OR PRINTED NAME OF SIGNER: DELTON SUTTON 16d. PHONE NO.: (714) 986-6731 16e. DATE: 14 MAR 79

APCD USE ONLY

STATE	COUNTY	AQMD	CITY			DATE	
CA	36		6380			4-27-79	
C.D.	L.C.	SIC				REGIST. CAT. NO.	
		4582				000000 62C	
APPLICATION NO.	PERMIT NO.	TYPE				CLASS	
00728E	E03297	6.0	4	G	RCS	(1)	
VALIDATION		FILING FEE		CHECK OR MONEY ORDER NO.			
DDAOTU 036	SODOCa 6272	50.00		268863			
CAD		100.00		299789			

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID ARF-50.00 (Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

22. SUPPLEMENTARY INFORMATION FOR EACH STACK OR EMISSION POINT:

STACK NO.	(a) HEIGHT	(b) DIAMETER	(c) TEMP.	(d) FLOW RATE	(e) VELOCITY
1					
2					
3					

(IF MORE THAN 3, LIST ON A SEPARATE SHEET)

(a) HEIGHT - DISTANCE ABOVE GROUND LEVEL TO DISCHARGE POINT, FEET.
(b) DIAMETER OF DISCHARGE POINT TO NEAREST TENTH FOOT. NOTE: IF NOT CIRCULAR INSERT DIAMETER OF EQUIVALENT CIRCULAR AREA. USING A MEASURED OR ESTIMATED CROSS-SECTIONAL AREA (A, IN SQUARE FEET), THE EQUIVALENT DIAMETER (D_e, IN FEET) MAY BE CALCULATED:

$$D_e = 1.128 \sqrt{A}$$

(c) TEMPERATURE AT DISCHARGE POINT IN °F, ACTUAL OR ESTIMATED TO NEAREST 50°F.
(d) FLOW RATE AT DISCHARGE POINT IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
(e) VELOCITY OF DISCHARGE IN FT/SEC, DESIGN OR MEASURED RATE.

23. REMARKS

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Accepts RCS

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

OK AMT

PLEASE TYPE OR PRINT

APCD USE

1a. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY

1b. NONE

2a. MAILING ADDRESS: ONTARIO INTÁL AIRPORT, ONTARIO, CA 2b. 91761

3a. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): SAME 3b. VINEYARD AVE

4a. CONTACT PERSON (INITIALS & NAME): S. H. SHOFF 4b. CONTACT PHONE NO. (AREA & NO.): (714) 986-6731 EXT 204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT: BIUKS MFG CO.- DYNAPRECIPITOR WATER WASH SPRAY BOOTH #7 METAL SPRAY BOOTH)

6a. PRIMARY AIR POLLUTION CONTROL EQUIP.: WATERWASH 6b. SECONDARY AIR POLLUTION CONTROL EQUIP.: —

7a. BOILER OPERATING CAPACITY — (THOUSANDS OF BTU/HR.) 7b. % BOILER STEAM USED FOR SPACE HEAT —

8. IF THIS EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL UNDER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NONE NONE

9. PERMIT APPLICATIONS: (X) NEW CONSTRUCTION; ( ) ALTERATION; ( ) CHANGE OF LOCATION; ( ) CHANGE OF OWNERSHIP

10. TYPE OF ORGANIZATION: (X) CORPORATION; ( ) PARTNERSHIP; ( ) INDIVIDUAL OWNER; ( ) LOCAL GOVT. AGENCY; ( ) STATE AGENCY; ( ) FEDERAL AGENCY; ( ) UTILITY

11a. NO. OF EMPLOYEES AT THIS LOCATION: 470 11b. HOURS OF OPERATION: 16 0

12. ESTIMATED COST OF EQUIPMENT OR ALTERATION: EQUIPMENT: ≈$10,000; AIR POLLUTION CONTROL EQUIPMENT: UNKNOWN; ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT: UNKNOWN

13. FOR NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS ESTIMATED STARTING DATE? — ESTIMATED COMPLETION DATE? —

14a. GENERAL NATURE OF BUSINESS: JET ENGINE REPAIR SHOP 14b. PRINCIPAL PRODUCT: SERVICE

15a. % ANNUAL THROUGHPUT OF SOLVENTS: DEC-FEB 25, MAR-MAY 25, JUN-AUG 25, SEP-NOV 25

15b. DO YOU CLAIM CONFIDENTIALITY OF DATA? ( ) YES (X) NO (IF YES, STATE REASON AS SPECIFIED IN RULE 130)

15c. ANNUAL OPERATING HOURS OF SUBJECT EQUIPMENT: HOURS/DAY 9; DAYS/WEEK 6; WEEKS/YEAR 50

16. SIGNATURE OF RESPONSIBLE OFFICER OF ORGANIZATION: Delton Sutton 17. OFFICIAL TITLE OF OFFICER: FACILITIES ENGR.

18. TYPED OR PRINTED NAME OF OFFICER: DELTON SUTTON 19. PHONE NO.: (714) 986-6731 20. DATE: 14 MAR 79

APCD USE ONLY

STATE — COUNTY — APCD — CITY 5380 — DATE 4-27-79

SIC USRZ — ERC 000000 TTR

APPLICATION NO. 00729E — PERMIT NO. E03298 — TYPE — CLASS — PROCESS RJS

VALIDATION SCAQMD 037 50000a 827R CAT — FILING FEE 50.00 — CHECK OR MONEY ORDER NO. 268860

PERMIT FEE 100.00 — CHECK OR MONEY ORDER NO. 299789

ARF = 50.00

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

22. SUPPLEMENTARY INFORMATION FOR EACH STACK OR EMISSION POINT:

STACK NO.	(a) HEIGHT	(b) DIAMETER	(c) TEMP.	(d) FLOW RATE	(e) VELOCITY
1					
2					
3					

(IF MORE THAN 3, LIST ON A SEPARATE SHEET)

(a) HEIGHT - DISTANCE ABOVE GROUND LEVEL TO DISCHARGE POINT, FEET.
(b) DIAMETER OF DISCHARGE POINT TO NEAREST TENTH FOOT. NOTE: IF NOT CIRCULAR INSERT DIAMETER OF EQUIVALENT CIRCULAR AREA. USING A MEASURED OR ESTIMATED CROSS-SECTIONAL AREA (A, IN SQUARE FEET), THE EQUIVALENT DIAMETER (D_e, IN FEET) MAY BE CALCULATED:

$$D_e = 1.128 \sqrt{A}$$

(c) TEMPERATURE AT DISCHARGE POINT IN °F, ACTUAL OR ESTIMATED TO NEAREST 50°F.
(d) FLOW RATE AT DISCHARGE POINT IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
(e) VELOCITY OF DISCHARGE IN FT/SEC, DESIGN OR MEASURED RATE.

23. REMARKS

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

OK 7127

PLEASE TYPE OR PRINT

1a. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY

1b. NONE

2a. MAILING ADDRESS: ONTARIO INT'L AIRPORT, ONTARIO CA 2b. 91761

3a. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): SAME 3b. VINEYARD AVE

4a. CONTACT PERSON (INCLUDE TITLE IF NAMED): S.H. SNOFF 4b. CONTACT PHONE NO. (AREA CODE): (714) 986-6731 EXT 204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT: BINKS DRY SPRAY BOOTH WITH OVEN ENCLOSURE

6a. PRIMARY AIR POLLUTION CONTROL EQUIP.: FILTERING SYSTEM 6b. SECONDARY AIR POLLUTION CONTROL EQUIP.:

7a. BOILER OPERATING CAPACITY — (THOUSANDS OF BTU/HR.) 7b. % BOILER STEAM USED FOR SPACE HEAT —

8. IF THIS EQUIPMENT HAD A PREVIOUS DISTRICT PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NONE NONE

9. PERMIT APPLICATION: (X) NEW CONSTRUCTION (X) ALTERATION ( ) CHANGE OF LOCATION ( ) CHANGE OF OWNERSHIP

10. TYPE OF ORGANIZATION: (X) CORPORATION ( ) PARTNERSHIP ( ) INDIVIDUAL OWNER ( ) LOCAL GOVT. AGENCY ( ) STATE AGENCY ( ) FEDERAL AGENCY ( ) UTILITY

11. NO. OF EMPLOYEES AT THIS LOCATION: 470

12. HOURS OF OPERATION: 16 0

13. ESTIMATED COST OF EQUIPMENT OR ALTERATION: BASIC EQUIPMENT $ — AIR POLLUTION CONTROL EQUIPMENT $ — ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ —

14. FOR NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS ESTIMATED STARTING DATE? — ESTIMATED COMPLETION DATE? —

15. GENERAL NATURE OF BUSINESS: JET EUGINE REPAIR SHOP 16. PRINCIPAL PRODUCT: SERVICE

17. # ANNUAL THROUGHPUT OF SOLVENTS: DEC-FEB 25, MAR-MAY 25, JUN AUG 25, SEP-NOV 25

18a. DO YOU CLAIM CONFIDENTIALITY OF DATA? ( ) YES (X) NO IF YES, STATE REASON IN ITEM 25

18b. ANNUAL OPERATING HOURS OF PROJECT EQUIPMENT: HOURS/DAY 3, DAYS/WEEK 5, WEEKS/YEAR 50

19. SIGNATURE OF RESPONSIBLE OFFICER OF ORGANIZATION: Delton Sutton 20. OFFICIAL TITLE OF SIGNER: FACILITIES ENG

21. TYPED OR PRINTED NAME OF SIGNER: DELTON SUTTON 22. PHONE NO.: (714) 986-6731 23. DATE: 14 MAR 79

APCD USE ONLY

STATE	COUNTY	APCD	CITY	HEAD I.D. NO.		DATE: 4-27-79
C.M.	I.C.	SIC: 4582	SUB	SF. LOCT NO.	ALPHA LOCT NO.	EQUIP. CAT. NO.: 00000060 C
APPLICATION NO.: 00730E	PERMIT NO.: E03299	TYPE: 10	CODE	BASIC	CLASS	
VALIDATION: SCAQMD 036 cd 5000Da 827R		POSTING FEE: 50.00		CHECK OR MONEY ORDER NO.: 268860		
		PERMIT FEE: 50.00		CHECK OR MONEY ORDER NO.: 299789		

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

ADR - 30.00

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

22. SUPPLEMENTARY INFORMATION FOR EACH STACK OR EMISSION POINT:

STACK NO.	(a) HEIGHT	(b) DIAMETER	(c) TEMP.	(d) FLOW RATE	(e) VELOCITY
1					
2					
3					

(IF MORE THAN 3, LIST ON A SEPARATE SHEET)

(a) HEIGHT - DISTANCE ABOVE GROUND LEVEL TO DISCHARGE POINT, FEET.

(b) DIAMETER OF DISCHARGE POINT TO NEAREST TENTH FOOT. NOTE: IF NOT CIRCULAR INSERT DIAMETER OF EQUIVALENT CIRCULAR AREA. USING A MEASURED OR ESTIMATED CROSS-SECTIONAL AREA (A, IN SQUARE FEET), THE EQUIVALENT DIAMETER (D_e, IN FEET) MAY BE CALCULATED:

$$D_e = 1.128 \sqrt{A}$$

(c) TEMPERATURE AT DISCHARGE POINT IN °F, ACTUAL OR ESTIMATED TO NEAREST 50°F.

(d) FLOW RATE AT DISCHARGE POINT IN ACTUAL CUBIC FEET PER MINUTE (ACFM).

(e) VELOCITY OF DISCHARGE IN FT/SEC, DESIGN OR MEASURED RATE.

23. REMARKS

IF YOU WISH TO SPECIFY PROCESS INFORMATION AS PROPRIETARY OR CONFIDENTIAL, SPACE IS PROVIDED FOR THIS PURPOSE. HOWEVER, THE KINDS AND RATES OF EMISSIONS MAY NOT BE HELD CONFIDENTIAL. BY STATE LAW EMISSIONS ARE SUBJECT TO PUBLIC DISCLOSURE.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE

1A PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY (BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT) | SIC | TS | ID NUMBER: 11726

1B NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A MAILING ADDRESS: 1923 East Avion Street (NUMBER STREET) | Ontario (CITY OR COMMUNITY) | CA (STATE) | 2B ZIP CODE: 91761

3A EQUIPMENT LOCATION (IF SAME ENTER "SAME"): 1923 East Avion Place (NUMBER STREET) | Ontario (CITY OR COMMUNITY) | 91761 (ZIP)

3B NEAREST INTERSECTING STREET: Vineyard Ave. & Mission Blvd.

4A CONTACT PERSON (INITIAL & NAME): B. P. O'LEARY

4B CONTACT PHONE NO (AREA & NO.): (714) 391-5424

5 APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT: BOILER &/OR HEATER ≥ 2mm BTUH, < 5mm BTUH

6 IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT AND SUCH PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER

NAME _____ PREVIOUS PERMIT NUMBER _____

7 PERMIT APPLICATION FOR EQUIPMENT

- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- REINSTATE NON PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☑
- CHANGE OF CONDITIONS ☐

8 TYPE OF ORGANIZATION

- CORPORATION ☑
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOVT AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9 ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ _____ AIR POLLUTION CONTROL EQUIPMENT $ _____

10 FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

11 GENERAL NATURE OF BUSINESS: Aircraft Engine Maintenance

12 PRINCIPAL PRODUCT: Aircraft Engine Maintenance

13 DO YOU CLAIM CONFIDENTIALITY OF DATA? YES ☐ NO ☐
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14 NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY _____ DAYS/WEEK _____ WEEKS/YEAR _____

15 HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☐

15A ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES? YES ☒ NO ☐

16 SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Brian P. O'Leary

17 OFFICIAL TITLE OF SIGNER: Mgr. Environmental Quality & Safety (acting)

18 TYPED OR PRINTED NAME OF SIGNER: BRIAN P. O'LEARY

19 PHONE NO: 714-391-5424

20 DATE: 6/2/95

SCAQMD USE

SIC NO. _____ EQUIP CAT NO 0 1 1 0 0 0 1 _ SCA STP 7A

APPLICATION NO. 201415 | PERMIT NO _____ | TYPE B or C | WORK UNITS A/C _____ P/O _____ | ASSIGNMENT UNIT 13 ENGR _____ | CLASS I (II) IV

VALIDATION JUN 2 1995 | FILING FEE $375 375 | CHECK OR MONEY ORDER NUMBER 740436 37

Form 400A PRIOR VERSIONS NOT VALID (Continued on Reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING 06/02/95

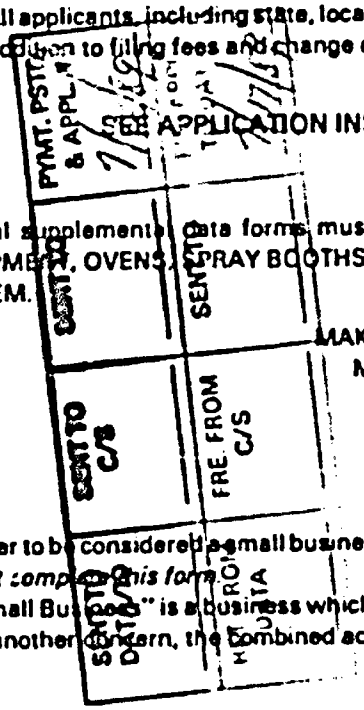
86398-02

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Filing Fees

Except as noted following, a $250 filing fee must accompany each application for Permit to Construct/Operate.

1. For small businesses the filing fee is $160. The small business declaration form below must be completed in order to be considered a small business.
2. Each application for change of ownership requires a $110 transfer fee.
3. All applicants, including state, local governmental and public districts, must pay a permit evaluation fee. Such fees are in addition to filing fees and change of ownership fees.



SEE APPLICATION INSTRUCTIONS FORM 400-B FOR ADDITIONAL INSTRUCTIONS
Call (818) 572-6212 for assistance

SUPPLEMENTAL DATA FORMS REQUIRED

Special supplemental data forms must be completed for: BOILERS, LIQUID HEATERS, DEGREASERS, DRY CLEANING EQUIPMENT, OVENS, SPRAY BOOTHS, STORAGE TANKS,ABRASIVE BLASTING OPERATION and PRINTING and DRYING SYSTEM.

MAKE CHECK PAYABLE TO "SOUTH COAST AQMD"
MAIL APPLICATION TO SOUTH COAST AQMD
9150 Flair Drive
El Monte, CA 91731

SMALL BUSINESS DECLARATION

In order to be considered a small business as specified in Regulation XIII, this form must be completed. *If not a small business, do not complete this form.*

A "Small Business" is a business which is independently owned and operated and meets the following criteria, or if affiliated with another concern, the combined activities of both concerns shall meet these criteria.

The number of employees is 10 or less, and
the total gross annual receipts are $500,000.00 or less.

I hereby certify, under penalty of perjury, that the business enterprise containing the emission source(s) for which an SCAQMD Permit to Construct or Permit to Operate is being applied herein qualifies as a SMALL BUSINESS based on compliance with the definition above:

Signature of Applicant	Date	Telephone Number
Printed or Typed Signature		Company Name

State law requires that we inform you about the Office of Permit Assistance. The Office of Permit Assistance is a state agency which is available to assist you and provide information relating to the permit approval process at the state and local level. Call (916)322-4245 for information.

SAN BERNARDINO COUNTY AIR POLLUTION CONTROL DISTRICT
172 West Third Street, San Bernardino, California, 92401. Telephone 889-0111. Ext. 548, 549

APPLICATION FOR AUTHORITY TO CONSTRUCT & PERMIT TO OPERATE

INSTRUCTIONS

A. A filing fee of $10.00 paid by check or money order must accompany each application for permit to operate. THIS AMOUNT WILL APPLY TOWARD OPERATING PERMIT FEE.

B. Plans showing the flow of materials, items of equipment and energy input must be submitted in duplicate before start of construction.

C. Describe process or operations to be carried out in the proposed equipment and name all ingredients used.

D. Describe control procedures in sufficient detail to show degree of expected control of air contaminants.

1. PERMIT TO BE ISSUED TO: GENERAL ELECTRIC COMPANY, AVIATION SERVICE OPERATION
Business license name of Corporation, Company, Individual Owner, Partner or Governmental Agency which is to operate the following equipment

2. MAILING ADDRESS:
ONTARIO INT'L AIRPORT, ONTARIO, CALIFORNIA 91761 Zip Code

3. ADDRESS AT WHICH THE EQUIPMENT IS TO BE OPERATED:
SAME

4. GENERAL NATURE OF BUSINESS:
ENGINE OVERHAUL

5. EQUIPMENT DESCRIPTION: Pursuant to the provisions of the State Health & Safety Code and Rules & Regulations of the San Bernardino County Air Pollution Control District, application is hereby made for permit to operate the following equipment:

WATER SPRAY IN THE JET EXHAUST AUGMENTOR ADDED TO THE J79 TEST CELL CURRENTLY COVERED BY AIR POLLUTION CONTROL DISTRICT, COUNTY OF SAN BERNARDINO, PERMIT NO. 6:13

(Continue on back of page if space above insufficient)

6. TYPE AND ESTIMATED COST OF CONTROL EQUIPMENT:	TYPE AND ESTIMATED COST OF BASIC EQUIPMENT:
$ 20,000.00	$ 100,000.00

7. SIGNATURE OF RESPONSIBLE CORPORATE OFFICER, PARTNER, OR SOLE PROPRIETOR OF FIRM:	OFFICIAL TITLE OF SIGNER
[signature]	PLANT MANAGER

8. TYPE OR PRINT NAME OF SIGNER
NAME: H. O. RUSSELL DATE 11/1/72 PHONE NO. (714) 986-6731

Validation (A.P.C.D.) use only

Date Application Received	FEE SCHEDULE #	
11-2-72	FILING FEE: $ 10.00	RECEIPT NO. 333 736 DATE 11/2/72
	PERMIT FEE: $	RECEIPT NO. DATE

03-10310-013 Rev. 10/70

original receipt given Applicant

TS-82

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION
SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SM SCAQMD USE CCCO

1A PERMIT TO BE ISSUED TO
D. L. T. Construction, Inc.
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT
KH SIC 39781 ID NUMBER

1B
Larry De George, President; Roger M. Lawson, Vice-President
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A MAILING ADDRESS
1368 Gladys Avenue, Long Beach, California
NUMBER STREET CITY OR COMMUNITY STATE
2B 90804 ZIP CODE

3A EQUIPMENT LOCATION (IF SAME ENTER SAME)
Wells Aviation Hangar, Ontario Inter'l Airport
NUMBER STREET CITY OR COMMUNITY ZIP CODE
3B SYDE 2254
Mission Rd - Vin yard
NEAREST INTERSECTING STREET

4A CONTACT PERSON (INITIALS & NAME)
Bill Spear
4B CONTACT PHONE NO (AREA & NO.)
(714) 988 6502

5 EQUIPMENT APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
3 ea. fuel pumps; 1 ea. dispenser
Class III

6 IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT STATE NAME OF CORPORATION COMPANY OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
N/A
NAME
PREVIOUS PERMIT NUMBER

7 PERMIT APPLICATION FOR EQUIPMENT
NEW CONSTRUCTION ☐
ALTERATION ☐
CHANGE OF LOCATION ☐
CHANGE OF OWNERSHIP IN OPERATION ☐
EXISTING EQUIPMENT - WITHOUT PRIOR PERMIT ☐

8 TYPE OF ORGANIZATION
CORPORATION ☒
PARTNERSHIP ☐
INDIVIDUAL OWNER ☐
LOCAL GOV'T AGENCY ☐
STATE AGENCY ☐
FEDERAL AGENCY ☐
UTILITY ☐

9 ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 100,0 .00
AIR POLLUTION CONTROL EQUIPMENT $ 10%

10 FOR THE NEW CONSTRUCTION ALTERATION TRANSFER OF OWNERSHIP OR LOCATION WHAT IS
ESTIMATED STARTING DATE 11/82
ESTIMATED COMPLETION DATE 5/10/83

11 GENERAL NATURE OF BUSINESS
Fueling aircraft
12 PRINCIPAL PRODUCT
Aircraft fuel

13 DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14 NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS DAY 12
DAYS WEEK 5 1/2
WEEKS YEAR 52

15 HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☒

15a ARE ALL COMPANY'S FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16 SIGNATURE OF RESPONSIBLE OFFICER OF ORGANIZATION
D L T Construction
Larry De George Contractor

17 OFFICIAL TITLE OF SIGNER
President

18 TYPED OR PRINTED NAME OF SIGNER
Larry De George

19 PHONE NO
(213) 433 4980

20 DATE
May 16, 1983

SCAQMD USE

SIC NO 4583
EQUIP CAT NO 300 110
SCH STEP 1/2
APPLICATION NO 110362
PERMIT NO
TYPE B OR C
WORK UNITS A/C P/O
ASSIGNMENT UNIT 5 ENGR
CLASS I II
VALIDATION 5/19/83
FILING FEE 122.1
CHECK OR MONEY ORDER NO 1927

Form 400A - REVISED 12-1-82 PRIOR VERSIONS NOT VALID (Continued on reverse) C-1

SEE REVERSE FOR FEES REQUIRED UPON FILING

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Application No. _____
I.D. No. _____

FILING FEES

1. A $67.00 filing fee must accompany each application for Permit to Construct/Operate.

2. In addition to and along with the filing fee, a New Source Analysis Fee must be included with the $67.00 filing fee in the following amounts

Small Business	All Others
$75.00	$155.00

3a For small businesses, the total fee to be submitted with each application Form 400-A filed is $142.00.

3b. For all others, the total fee to be submitted with each application Form 400-A filed is $222.00.

4 All state, local governmental agencies or public districts must pay a New Source Analysis Fee, Change of Condition Fee (when applicable) and Engineering Analysis Fee for equipment requiring a Permit to Construct or Operate. Such agencies are exempt from paying filing fees and Change of Ownership fees.

SMALL BUSINESS DECLARATION

In order to be considered a small business as specified in Regulation XIII, this form must be completed. If not a small business do not complete this form.

A "Small Business" is a business which is independently owned and operated and meets the following criteria or, if affiliated with another meets the following criteria or, if affiliated with another concern, the combined activities of both concerns meet these criteria:

The number of employees is 10 or less; and
The total annual receipts are $500,000 or less.

I hereby certify, under penalty of perjury, that the business enterprise containing the emission source(s) for which an SCAQMD Permit to Construct or Permit to Operate is being applied herein qualifies as a SMALL BUSINESS, based on compliance with the definition above:

_____	_____	( ) _____
Signature of Applicant	Date	Telephone Number

83 MAR 18 AM 8

_____	_____
Printed or Typed Signature	Company Name

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND
FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER
FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION
SEE REVERSE SIDE

ON HAND
COLTON

PLEASE TYPE OR PRINT

SCAQMD USE: SIC | TS | ID NUMBER 11726

1A PERMIT TO BE ISSUED TO
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A MAILING ADDRESS
1923 E. Avion St. Ontario Calif.
NUMBER STREET CITY OR COMMUNITY STATE

2B
91761
ZIP CODE

3A EQUIPMENT LOCATION (IF SAME ENTER SAME)
same
NUMBER STREET CITY OR COMMUNITY ZIP

3B
Vineyard
NEAREST INTERSECTING STREET

4A CONTACT PERSON (INITIALS & NAME)
Cynthia A. Paulo

4B CONTACT PHONE NO (AREA & NO)
(714) 986-6731

5 EQUIPMENT APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
A 2-~~450~~ 500 gallon 1,1,1 Trichloroethane storage tank system.

6 IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT STATE NAME OF CORPORATION COMPANY OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NAME PREVIOUS PERMIT NUMBER

7 PERMIT APPLICATION FOR EQUIPMENT
NEW CONSTRUCTION [X]
ALTERATION [ ]
CHANGE OF LOCATION [ ]
REINSTATE NON-PAYMENT P.O. FEES DUE [ ]
CHANGE OF OWNERSHIP [ ]
EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [ ]
CHANGE OF CONDITIONS [ ]

8 TYPE OF ORGANIZATION
CORPORATION [X]
PARTNERSHIP [ ]
INDIVIDUAL OWNER [ ]
LOCAL GOVT AGENCY [ ]
STATE AGENCY [ ]
FEDERAL AGENCY [ ]
UTILITY [ ]

9 ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $
AIR POLLUTION CONTROL EQUIPMENT $

10 FOR THE NEW CONSTRUCTION ALTERATION TRANSFER OF OWNERSHIP OR LOCATION WHAT IS
ESTIMATED STARTING DATE 1977 ESTIMATED COMPLETION DATE 1977

11 GENERAL NATURE OF BUSINESS
Aircraft Engine Overhaul and Maintenance

12 PRINCIPAL PRODUCT
Aircraft Engine

13 DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14 NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 16
DAYS/WEEK 5
WEEKS/YEAR 52

15 HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES [ ] NO [X]

15a ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [X] NO [ ]

16 SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
[signature]

17 OFFICIAL TITLE OF SIGNER
Steve (S.H.) Shoff, Manager
Facilities Engineering and
Maintenance

18 TYPED OR PRINTED NAME OF SIGNER
Steve (S.H.) Shoff

19 PHONE NO
(714) 986-6731 x204

20 DATE
6-20-88

SCAQMD USE

SIC NO

EQUIP CAT NO 4 2 1 9 0 0 1

SCH STEP 5A JUL 13 1988

APPLICATION NO 171613

PERMIT NO

TYPE Basic

WORK UNITS A/C P/O

ASSIGNMENT 9 UNIT ENGR

CLASS 1 (2)

VALIDATION 6/29/88

FILING FEE $250.00

CHECK OR MONEY ORDER NO 915587

Form 400A PRIOR VERSIONS NOT VALID (Continued on reverse) C-1

SEE REVERSE FOR FEES REQUIRED UPON FILING

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Filing Fees

Except as noted following, a $250 filing fee must accompany each application for Permit to Construct/Operate.

1. For small businesses the filing fee is $160. The small business declaration form below must be completed in order to be considered a small business.
2. Each application for change of ownership requires a $110 transfer fee.
3. All applicants, including state, local governmental and public districts, must pay a permit evaluation fee. Such fees are in addition to filing fees and change of ownership fees.
4. All state, local governmental agencies or public districts are exempt from paying filing fees and change of ownership fees.

SEE APPLICATION INSTRUCTIONS FORM 400-B FOR ADDITIONAL INSTRUCTIONS
Call (818)572-6212 for assistance
SUPPLEMENTAL DATA FORMS REQUIRED

Special supplemental data forms must be completed for: BOILERS, LIQUID HEATERS, DEGREASERS, DRY CLEANING EQUIPMENT, OVENS, SPRAY BOOTHS and STORAGE TANKS.

MAKE CHECK PAYABLE TO "SOUTH COAST AQMD"
MAIL APPLICATION TO: SOUTH COAST AQMD
9150 Flair Drive
El Monte, CA 91731

SMALL BUSINESS DECLARATION

In order to be considered a small business as specified in Regulation XIII, this form must be completed. ***If not a small business, do not complete this form.***

A "Small Business" is a business which is independently owned and operated and meets the following criteria or, if affiliated with another concern, the combined activities of both concerns meet these criteria:

The number of employees is 10 or less; and
The total annual receipts are $500,000 or less.

I hereby certify, under penalty of perjury, that the business enterprise containing the emission source(s) for which an SCAQMD Permit to Construct or Permit to Operate is being applied herein qualifies as a SMALL BUSINESS based on compliance with the definition above:

Signature of Applicant _____ Date _____ Telephone Number _____

Printed or Typed Signature _____ Company Name _____

State law requires that we inform you about the Office of Permit Assistance. The Office of Permit Assistance is a state agency which is available to assist you and provide information relating to the permit approval process at the state and local level. Call (916) 322-9245 for information.

Revised 6-88

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

COLTON

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION
SEE REVERSE SIDE

04/00

PLEASE TYPE OR PRINT

SCAQMD USE 511816

1A PERMIT TO BE ISSUED TO
General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

KH | 61160
A/C | ID NUMBER

1B
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A MAILING ADDRESS
1923 E. Avion Street | Ontario | California | 2B 91761
NUMBER STREET | CITY OR COMMUNITY | STATE | ZIP CODE

3A EQUIPMENT LOCATION (IF SAME ENTER "SAME")
2264 Avion Place | Ontario | 91761 | 3B E. Avion Street
NUMBER STREET | CITY OR COMMUNITY | ZIP CODE | NEAREST INTERSECTING STREET

4A CONTACT PERSON (INITIALS & NAME)
Cynthia A. Paulo

4B CONTACT PHONE NO (AREA & NO.)
(714) 986-6731

5 EQUIPMENT APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT

* 17,000 gallon above ground epoxy - lined steel bulk storage tank containing JP-4 (Tank #4)

* JP-4 Storage #4

6 IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NAME | PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- CHANGE OF OWNERSHIP EXISTING EQUIPMENT WITHOUT PRIOR PERMIT ☒
- CHANGE OF CONDITIONS ☐

8 TYPE OF ORGANIZATION
- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9 ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 20,000 | AIR POLLUTION CONTROL EQUIPMENT $ 8,000

10 FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
N/A
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

11 GENERAL NATURE OF BUSINESS
Aircraft engine maintenance and overhaul

12 PRINCIPAL PRODUCT
Jet Engine Testing

13 DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14 NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS / DAY 24
DAYS / WEEK 5
WEEKS / YEAR 52

15 HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☒X NO ☐

15a ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16 SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
S.H. Shi

17 OFFICIAL TITLE OF SIGNER
Manager, Facilities Engineer & Maintenance

18 TYPED OR PRINTED NAME OF SIGNER
S.H. Shi

19 PHONE NO
(714) 986-6731

20 DATE
May 4, 1988

SCAQMD USE

SIC NO | EQUIP. CAT NO 248900 | SCH/SHP 5/C | MAY 23 1988

APPLICATION NO 169570 | PERMIT NO | TYPE O or C | WORK UNITS A/C P/O | ASSIGNMENT 9 UNIT ENGR | CLASS 1

VALIDATION 5/7/88 | FILING FEE $300.00 | CHECK OR MONEY ORDER NO 712107

(1 of 2)

Form 400A - REVISED 8-83 PRIOR VERSIONS NOT VALID (Continued on reverse) C-1

SEE REVERSE FOR FEES REQUIRED UPON FILING

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

FILING FEES

(effective August 1, 1983)

Except as noted following, a $250 filing fee must accompany each application for Permit to Construct/Operate.

1. For small businesses the filing fee is $160. The small business declaration form below must be completed in order to be considered a small business.

2. Each application for change of ownership requires a $110 transfer fee.

3. All state, local governmental agencies or public districts are exempt from paying filing fees and change of ownership fees.

SEE APPLICATION INSTRUCTIONS FORM 400-B FOR ADDITIONAL INSTRUCTIONS

Call (213) 572-6212 for assistance

SUPPLEMENTAL DATA FORMS REQUIRED

Special supplemental data forms must be completed for: BOILERS, LIQUID HEATERS, DEGREASERS, DRY CLEANING EQUIPMENT, OVENS, SPRAY BOOTHS AND STORAGE TANKS.

SMALL BUSINESS DECLARATION

In order to be considered a small business as specified in Regulation XIII, this form must be completed. If not a small business, do not complete this form.

A "Small Business": is a business which is independently owned and operated and meets the following criteria or, if affiliated with another concern, the combined activities of both concerns meet these criteria:

The number of employees is 10 or less; and
The total annual receipts are $500,000 or less.

I hereby certify, under penalty of perjury, that the business enterprise containing the emission source(s) for which an SCAQMD Permit to Construct or Permit to Operate is being applied herein qualifies as a SMALL BUSINESS, based on compliance with the definition above:

Signature of Applicant _____ Date _____ ( ) Telephone Number

Printed or Typed Signature _____ Company Name

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive, [illegible], CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION SEE REVERSE SIDE

COLTON

PLEASE TYPE OR PRINT

SCAQMD USE: [ ] [ ] 41160

1A. PERMIT TO BE ISSUED TO: General Electric Company
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B. NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: 1923 E. Avion Street (NUMBER STREET) Ontario, (CITY OR COMMUNITY) California (STATE) 2B. 91761 (ZIP CODE)

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): 2264 Avion Place (NUMBER STREET) Ontario (CITY OR COMMUNITY) 91761 (ZIP CODE)

3B. E. Avion Street (NEAREST INTERSECTING STREET)

4A. CONTACT PERSON (INITIALS & NAME): Cynthia A. Paulo

4B. CONTACT PHONE NO (AREA & NO.): (714) 986-6731

5. EQUIPMENT APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT

* 17,000 gallon above ground epoxy - lined steel bulk storage tank containing JP-4 (tank #3)

* JAY Storage #3

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NAME _____ PREVIOUS PERMIT NUMBER _____

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- CHANGE OF OWNERSHIP EXISTING EQUIPMENT WITHOUT PRIOR PERMIT ☑
- CHANGE OF CONDITIONS ☐

8. TYPE OF ORGANIZATION
- CORPORATION ☑
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOVT AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ 20,000 AIR POLLUTION CONTROL EQUIPMENT $ 8,000

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? N/A ESTIMATED COMPLETION DATE? _____

11. GENERAL NATURE OF BUSINESS: Aircraft engine maintenance and overhaul

12. PRINCIPAL PRODUCT: Jet Engine Testing

13. DO YOU CLAIM CONFIDENTIALITY OF DATA? YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS / DAY 24
DAYS / WEEK 5
WEEKS / YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☑ NO ☐

15a. ARE ALL COMPANIES FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES? YES ☑ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: S.H. Shoff

17. OFFICIAL TITLE OF SIGNER: Manager, Facilities Engineer & Maintenance

18. TYPED OR PRINTED NAME OF SIGNER: S.H. Shoff

19. PHONE NO: (714) 986-6731

20. DATE: May 4, 1988

SCAQMD USE

SIC NO. _____ EQUIP CAT NO 248900 ECONREP 51C MAY 2 3 1988

APPLICATION NO 16957 PERMIT NO _____ TYPE C or C WORK UNITS A/C P/O ASSIGNMENT 9 UNIT ENGR CLASS 1 C

VALIDATION 5/9/88 FILING FEE 500.00 CHECK OR MONEY ORDER NO 712107

(2 of 2)

Form 400A - REVISED 8-83 PRIOR VERSIONS NOT VALID (Continued on reverse) C-1

SEE REVERSE FOR FEES REQUIRED UPON FILING

SOUTH COAST AIR Q[redacted] MANAGEMENT DISTRICT

FILING FEES

(effective August 1, 1983)

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1. For small businesses the filing fee is $160. The small business declaration form below must be completed in order to be considered a small business.

2. Each application for change of ownership requires a $110 transfer fee.

3. All state, local governmental agencies or public districts are exempt from paying filing fees and change of ownership fees.

SEE APPLICATION INSTRUCTIONS FORM 400-B FOR ADDITIONAL INSTRUCTIONS

Call (213) 572-6212 for assistance

SUPPLEMENTAL DATA FORMS REQUIRED

Special supplemental data forms must be completed for: BOILERS, LIQUID HEATERS, DEGREASERS, DRY CLEANING EQUIPMENT, OVENS, SPRAY BOOTHS AND STORAGE TANKS.

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A "Small Business": is a business which is independently owned and operated and meets the following criteria or, if affiliated with another concern, the combined activities of both concerns meet these criteria:

The number of employees is 10 or less; and
The total annual receipts are $500,000 or less.

I hereby certify, under penalty of perjury, that the business enterprise containing the emission source(s) for which an SCAQMD Permit to Construct or Permit to Operate is being applied herein qualifies as a SMALL BUSINESS, based on compliance with the definition above:

Signature of Applicant _____ Date _____ ( ) Telephone Number

Printed or Typed Signature _____ Company Name

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 http //www aqmd gov

March 30, 2007

Mr John Macaulay
Service General Manager
GE Engine Services
2264 Avion Street
Ontario, CA 91761

Re Transmittal of Title V Permit Administrative Revision
GE Engine Services – ID#061160

Dear Mr Macaulay

Attached, please find the revised section D of the Title V permit for GE Engine Services (ID 061160) This is an administrative permit revision resulting from the addition of 2 electrical curing ovens and a hand brush operation of solid film lubricant, which are all exempt from permit requirements The equipment and operation are listed under the RULE 219 EQUIPMENT Please replace this section accordingly

If you have any questions, please call Thai Tran at (909) 396-2562

Very truly yours,

Michael D Mills
Senior Manager
General Commercial Team
Engineering and Compliance

MDM ML RGC TT

Attachment

Certified Mail
Return Receipt Requested

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 http //www aqmd gov

March 30, 2007

Gerardo Rios
Chief – Permits Office
U S EPA – Region IX – Air 3
75 Hawthorne Street
San Francisco, CA 94105

Re Transmittal of Title V Permit Administrative Revision
GE Engine Services – ID#061160

Dear Mr Rios

Attached, please find the revised section D of the Title V permit for GE Engine Services (ID 061160) This is an administrative permit revision resulting from the addition of 2 electrical curing ovens and a hand brush operation of solid film lubricant, which are all exempt from permit requirements The equipment and operation are listed under the RULE 219 EQUIPMENT Please replace this section accordingly

If you have any questions, please call Thai Tran at (909) 396-2562

Very truly yours,

Michael D Mills
Senior Manager
General Commercial Team
Engineering and Compliance

MDM ML RGC TT

Attachment

Certified Mail
Return Receipt Requested

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

Facility Equipment and Requirements
(Section D)

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Construct and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to Also included is the rule origin and authority of each emission limit and permit condition

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AND PERMITS TO OPERATE AT THIS FACILITY

Application number	Permit to Operate number	Equipment description
341149	F35578	TURBINE ENGINE TEST CELL #1
341151	F34703	TURBINE ENGINE TEST CELL #2
376915	F36249	SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM
376916	F36253	SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM
376917	F36255	SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM
376918	F36256	SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM

NOTE EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER ARE ISSUED PERMITS TO CONSTRUCT THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW ANY OTHFR APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

FACILITY WIDE CONDITION(S)

Condition(s)

1 EXCEPT FOR ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS

A AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO 1 ON THE RINGLEMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES, OR
B OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION [RULE 401]

2 THE OPERATOR SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF RULE 431 2 [RULE 431 2]

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

PERMIT TO OPERATE

Permit No F35578
A/N 341149

Equipment Description

TEST CELL NO 1, TURBINE ENGINES CONSISTING OF

1 INLET STACK

2 TURBINE CELL AREA

3 AUGMENTER

4 EXHAUST STACK WITH ACOUSTICS

Conditions

1 OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW
[RULE 204]

2 THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES
[RULE 204]

3 PERMIT SHIELD NOT WITHSTANDING THE OTHER REQUIREMENTS AND CONDITIONS IN THIS PERMIT, THIS EQUIPMENT IS NOT SUBJECT TO THE FOLLOWING REQUIREMENTS

District Rule 404, as amended on February 7, 1986
District Rule 405, as amended on February 7, 1986
District Rule 407, as amended on April 2 1982
District Rule 409, as amended on August 7, 1981
District Rule 474 as amended on December 4 1981
District Rule 1134, as amended on August 8, 1997
District Regulation XX, as amended in 1997
Federal Regulation 40CFR Part 60 Subpart GG, as amended in 1995

COMPLIANCE WITH THE CONDITIONS OF THIS TITLE V PERMIT SHALL BE DEEMED IN COMPLIANCE WITH ANY REGULATORY REQUIREMENTS APPLICABLE AS OF THE DATE OF PERMIT ISSUANCE TO THIS FACILITY, PROVIDED THAT SUCH REGULATORY REQUIREMENTS ARE INCLUDED AND SPECIFICALLY IDENTIFIED IN THIS PERMIT NOTHING IN THIS PERMIT OR IN ANY PERMIT SHIELD CAN ALTER OR AFFECT (a) UNDER SECTION 303 OF THE FEDERAL CLEAN AIR ACT, THE PROVISIONS FOR EMERGENCY ORDERS, (b) THE LIABILITY OF THE OPERATOR FOR ANY VIOLATION OF APPLICABLE REQUIREMENTS PRIOR TO OR AT THE TIME

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

OF PERMIT ISSUANCE, (c) THE APPLICABLE REQUIREMENTS OF THE ACID RAIN PROGRAM, (d) THE ABILITY OF EPA TO OBTAIN INFORMATION FROM THE OPERATOR PURSUANT TO SECTION 114 OF THE FEDERAL CLEAN AIR ACT (e) THE APPLICABILITY OF STATE OR LOCAL REQUIREMENTS THAT ARE NOT 'APPLICABLE REQUIREMENTS' AS DEFINED IN RULE 3000 AT THE TIME OF PERMIT ISSUANCE BUT WHICH DO NOT APPLY TO THE FACILITY, SUCH AS TOXICS REQUIREMENTS UNIQUE TO THE STATE, OR (f) THE APPLICABILITY OF REGULATORY REQUIREMENTS WITH COMPLIANCE DATES AFTER THE PERMIT ISSUANCE DATE THIS PERMIT SHIELD SHALL NOT APPLY TO ANY OPERATIONAL CHANGE MADE PURSUANT TO THE OPERATIONAL FLEXIBILITY PROVISIONS OF DISTRICT RULE 3005

Periodic Monitoring

4 THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED AND ON AN ANNUAL BASIS AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER

A IDENTIFY AND VERIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST,

B TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT OR

C HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE OPERATING DAYS AND REPORT ANY DEVIATIONS TO AQMD

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS

A STACK OR EMISSION POINT IDENTIFICATION

B DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS

C DATE AND TIME VISIBLE EMISSION WAS ABATED AND

D VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER

[RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

PERMIT TO OPERATE

Permit No F34703
A/N 341151

Equipment Description

TES I CEI L NO 2, TURBINE ENGINES, CONSISTING OF

1 INLET STACK

2 TURBINE CELL AREA

3 AUGMENTER

4 EXHAUST STACK WITH ACOUSTICS 36 L X 36' W X 57' H

Conditions

1 OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW
[RULE 204]

2 THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERA TING CONDITION AT ALL TIMES
[RULE 204]

3 THE MAXIMUM DAILY EMISSIONS FROM THIS TEST CELL SHALL NOT EXCEED THE FOLLOWING LIMITS

CONTAMINANT	EMISSION (LB/DAY)
VOLATILE ORGANIC COMPOUNDS	2387
NITROGEN OXIDES	3966
CARBON MONOXIDE	4039
PARTICULATE MATTER < = 10 MICRONS	29
SULFUR OXIDES	684

[RULE 212(g), 1303(b)(2)]

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

4 THE EMISSIONS FROM THIS TEST CELL SHALL NOT EXCEED THE FOLLOWING LIMITS BASED ON A 30-DAY AVERAGE

CONTAMINANT	EMISSION (LB/DAY)
VOLATILE ORGANIC COMPOUNDS	2387
NITROGEN OXIDES	1633
CARBON MONOXIDE	4039
PARTICULATE MATTER < = 10 MICRONS	12
SULFUR OXIDES	282

[RULE 1303(b)(1)-MODELING, 1303(b)(2)-OFFSET, 1401]

5 A COMPUTER TRACKING SYSTEM SHALL BE USED TO CONTINUOUSLY MONITOR THE FUEL FLOW RATE DURING THE TURBINE TEST THE COMPUTER TRACKING SYSTEM SHALL BE ABLE TO CONTINUOUSLY CALCULATE THE EMISSIONS BY MULTIPLYING THE FUEL FLOW RATE BY A DISTRICT APPROVED ENGINE SPECIFIC EMISSIONS FACTOR
[RULE 212(g), 1303(b)(1)-MODELING, 1303(b)(2)-OFFSET 1401]

6 RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS 3 AND 4 THE RECORDS SHALL BE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 212(g), 1303(b)(1)-MODELING 1303(b)(2)-OFFSET 1401]

7 PERMIT SHIELD NOT WITHSTANDING THE OTHER REQUIREMENTS AND CONDITIONS IN THIS PERMIT, THIS EQUIPMENT IS NOT SUBJECT TO THE FOLLOWING REQUIREMENTS

District Rule 404, as amended on February 7 1986
District Rule 405, as amended on February 7, 1986
District Rule 407, as amended on April 2 1982
District Rule 409, as amended on August 7, 1981
District Rule 474, as amended on December 4, 1981
District Rule 1134, as amended on August 8, 1997
District Regulation XX, as amended in 1997
Federal Regulation 40CFR Part 60 Subpart GG, as amended in 1995

COMPLIANCE WITH THE CONDITIONS OF THIS TITLE V PERMIT SHALL BE DEEMED IN COMPLIANCE WITH ANY REGULATORY REQUIREMENTS APPLICABLE AS OF THE DATE OF PERMIT ISSUANCE TO THIS FACILITY PROVIDED THAT SUCH REGULATORY REQUIREMENTS ARE INCLUDED AND SPECIFICALLY IDENTIFIED IN THIS PERMIT NOTHING IN THIS PERMIT OR IN ANY PERMIT SHIELD CAN ALTER OR AFFECT (a) UNDER SECTION 303 OF THE FEDERAL CLEAN AIR ACT THE PROVISIONS FOR EMERGENCY ORDERS (b) THE LIABILITY OF THE OPERATOR FOR ANY VIOLATION OF APPLICABLE REQUIREMENTS PRIOR TO OR AT THE TIME OF PERMIT ISSUANCE (c) THE APPLICABLE REQUIREMENTS OF THE ACID RAIN PROGRAM, (d) THE ABILITY OF EPA TO OBTAIN INFORMATION FROM THE OPERATOR PURSUANT TO SECTION 114 OF THE FEDERAL CLEAN AIR ACT, (e) THE APPLICABILITY OF STATE OR LOCAL REQUIREMENTS THAT ARE NOT "APPLICABLE REQUIREMENTS AS DEFINED IN RULE 3000, AT THE TIME OF PERMIT ISSUANCE BUT WHICH DO NOT APPLY TO THE FACILITY, SUCH AS TOXICS REQUIREMENTS UNIQUE TO THE STATE, OR (f) THE APPLICABILITY OF REGULATORY REQUIREMENTS WITH COMPLIANCE DATES AFTER THE PERMIT ISSUANCE DATE THIS PERMIT

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

SHIELD SHALL NOT APPLY TO ANY OPERATIONAL CHANGE MADE PURSUANT TO THE OPERATIONAL FLEXIBILITY PROVISIONS OF DISTRICT RULE 3005

Periodic Monitoring

8 THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS WHENEVER VISIBLE EMISSIONS ARE OBSERVED AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER

A IDENTIFY AND VERIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST,

B TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT, OR

C HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION , WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS

A STACK OR EMISSION POINT IDENTIFICATION

B DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS

C DATE AND TIME VISIBLE EMISSION WAS ABATED AND

D VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER

[RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

PERMIT TO OPERATE

Permit No F36249
A/N 376915

Equipment Description

SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM, FOR AREA "A", CONSISTING OF

1 VAPOR EXTRACTION WELLS AND DUCTS

2 WATER KNOCKOUT POT

3 EXTRACTION BLOWER, MAXIMUM FLOW RATE 150 SCFM

4 THREE CARBON ADSORBERS, WITH 1 000 LBS ACTIVATED CARBON EACH, CANISTER-TYPE IN SERIES

Conditions

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW
[RULE 204]

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES
[RULE 204]

3) UPON COMPLETION, ANY VAPOR EXTRACTION WELL(S) AND DUCT(S) SHALL BE CAPPED TO PREVENT VAPORS FROM VENTING TO THE ATMOSPHERE VAPORS SHALL NOT BE EXTRACTED FROM THE SOIL, UNLESS VENTED TO THE VAPOR CONTROL SYSTEM, WITH NO DETECTABLE LEAK BETWEEN THE OUTLET OF THE BLOWER AND THE OUTLET OF THE VAPOR CONTROL SYSTEM
[RULE 1166]

4) IDENTIFICATION TAG(S) OR NAME PLATE(S) SHALL BE DISPLAYED ON THE EQUIPMENT TO SHOW MANUFACTURER MODEL NUMBER AND SERIAL NUMBER THE TAG(S) OR PLATE(S) SHALL BE ISSUED BY THE MANUFACTURER AND SHALL BE AFFIXED TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS POSITION
[RULE 206]

5) CURRENT CONTACT PERSON NAME, COMPANY AND PHONE NUMBER SHALL BE DISPLAYED IN A PERMANENT AND CONSPICUOUS POSITION
[RULE 206]

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

6) A FLOW INDICATOR SHALL BE MAINTAINED AT ALL INLET STREAMS TO THE VAPOR CONTROL SYSTEM TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM) THE TOTAL FLOW RATE SHALL NOT EXCEED 150 SCFM IN CASE A DIFFERENTIAL PRESSURE DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE, IN CFM, CORRESPONDING TO THE DIFFERENTIAL PRESSURE READING
[RULE 1303(b)(2)-OFFSET, 1401]

7) VOLATILE ORGANIC COMPOUND (VOC) CONCENTRATION MEASURED AT THE OUTLET OF THE TERTIARY ADSORBER SHALL NOT EXCEED 2 PARTS PER MILLION BY VOLUME (PPMV)
[RULE 1303(b)(2)-OFFSET]

8) WHENEVER THE VOC CONCENTRATION AT THE OUTLET OF THE SECONDARY ADSORBER EXCEEDS 2 PPMV, THIS EQUIPMENT SHALL BE SHUT DOWN AND REMAIN OFF UNTIL THE ADSORBERS ARE REPLACED AS FOLLOWS

A PRIMARY ADSORBER SHALL BE REPLACED WITH EITHER FRESH ADSORBENT OR ADSORBENT FROM THE SECONDARY OR TERTIARY ADSORBER, AND
B SECONDARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT OR ADSORBENT FROM THE TERTIARY ADSORBER AND
C TERTIARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT
[RULE 1166 1303(b)(2)-OFFSET, 1401]

9) SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE STORED IN CLOSED CONTAINERS PRIOR TO DISPOSAL
[RULE 204]

Periodic Monitoring

10) VOC CONCENTRATION SHALL BE MONITORED BY USING A PHOTO IONIZATION DETECTOR OR A DISTRICT APPROVED ORGANIC VAPOR ANALYZER CALIBRATED IN PPMV OF HEXANE THE VOC CONCENTRATION SHALL BE MEASURED AT THE OUTLETS OF THE PRIMARY SECONDARY AND TERTIARY ADSORBERS AT LEAST ONCE EVERY OPERATING DAY FOR THE FIRST TWO WEEKS AND WEEKLY THEREAFTER
[RULE 1166, 1303(b)(2)-OFFSET, 1401 3004(a)(4)]

11) RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS NUMBERS 4 THROUGH 10 THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST
[RULE 3004(a)(4)]

Emissions and Requirements

PM RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
VOC RULE 1166

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

PERMIT TO OPERATE

Permit No F36253
A/N 376916

Equipment Description

SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM, FOR AREA "B" CONSISTING OF

1 VAPOR EXTRACTION WELLS AND DUCTS

2 WATER KNOCKOUT POT

3 EXTRACTION BLOWER MAXIMUM FLOW RATE 150 SCFM

4 THREE CARBON ADSORBERS, WITH 1 000 LBS ACTIVATED CARBON EACH, CANISTER-TYPE, IN SERIES

Conditions

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW
[RULE 204]

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES
[RULE 204]

3) UPON COMPLETION, ANY VAPOR EXTRACTION WELL(S) AND DUCT(S) SHALL BE CAPPED TO PREVENT VAPORS FROM VENTING TO THE ATMOSPHERE VAPORS SHALL NOT BE EXTRACTED FROM THE SOIL, UNLESS VENTED TO THE VAPOR CONTROL SYSTEM WITH NO DETECTABLE LEAK BETWEEN THE OUTLET OF THE BLOWER AND THE OUTLET OF THE VAPOR CONTROL SYSTEM
[RULE 1166]

4) IDENTIFICATION TAG(S) OR NAME PLATE(S) SHALL BE DISPLAYED ON THE EQUIPMENT TO SHOW MANUFACTURER MODEL NUMBER AND SERIAL NUMBER THE TAG(S) OR PLATE(S) SHALL BE ISSUED BY THE MANUFACTURER AND SHALL BE AFFIXED TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS POSITION
[RULE 206]

5) CURRENT CONTACT PERSON NAME, COMPANY AND PHONE NUMBER SHALL BE DISPLAYED IN A PERMANENT AND CONSPICUOUS POSITION
[RULE 206]

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

6) A FLOW INDICATOR SHALL BE MAINTAINED AT ALL INLET STREAMS TO THE VAPOR CONTROL SYSTEM TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM) THE TOTAL FLOW RATE SHALL NOT EXCEED 150 SCFM IN CASE A DIFFERENTIAL PRESSURE DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE, IN CFM, CORRESPONDING TO THE DIFFERENTIAL PRESSURE READING
[RULE 1303(b)(2)-OFFSET, 1401]

7) VOLATILE ORGANIC COMPOUND (VOC) CONCENTRATION MEASURED AT THE OUTLET OF THE TERTIARY ADSORBER SHALL NOT EXCEED 2 PARTS PER MILLION BY VOLUME (PPMV)
[RULE 1303(b)(2)-OFFSET]

8) WHENEVER THE VOC CONCENTRATION AT THE OUTLET OF THE SECONDARY ADSORBER EXCEEDS 2 PPMV THIS EQUIPMENT SHALL BE SHUT DOWN AND REMAIN OFF UNTIL THE ADSORBERS ARE REPLACED AS FOLLOWS

A PRIMARY ADSORBER SHALL BE REPLACED WITH EITHER FRESH ADSORBENT OR ADSORBENT FROM THE SECONDARY OR TERTIARY ADSORBER AND
B SECONDARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT OR ADSORBENT FROM THE TERTIARY ADSORBER, AND
C TERTIARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT
[RULE 1166 1303(b)(2)-OFFSET, 1401]

9) SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE STORED IN CLOSED CONTAINERS PRIOR TO DISPOSAL
[RULE 204]

Periodic Monitoring

10) VOC CONCENTRATION SHALL BE MONITORED BY USING A PHOTO IONIZATION DETECTOR OR A DISTRICT APPROVED ORGANIC VAPOR ANALYZER CALIBRATED IN PPMV OF HEXANE THE VOC CONCENTRATION SHALL BE MEASURED AT THE OUTLETS OF THE PRIMARY SECONDARY AND TERTIARY ADSORBERS AT LEAST ONCE EVERY OPERATING DAY FOR THE FIRST TWO WEEKS AND WEEKLY THEREAFTER
[RULE 1166, 1303(b)(2)-OFFSET, 1401, 3004(a)(4)]

11) RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS NUMBERS 4 THROUGH 10 THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST
[RULE 3004(a)(4)]

Emissions and Requirements

PM RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
VOC RULE 1166

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

PERMIT TO OPERATE

Permit No F36255
A/N 376917

Equipment Description

SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM, FOR AREA 'C", CONSISTING OF

1 VAPOR EXTRACTION WELLS AND DUCTS

2 WA TER KNOCKOUT POT

3 EXTRACTION BLOWER MAXIMUM FI OW RATE 150 SCFM

4 THREE CARBON ADSORBERS, WITH 1,000 LBS ACTIVATED CARBON EACH, CANISTER-TYPE IN SERIES

Conditions

1) OPERATION OF THIS EQUIPMEN T SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW
[RULE 204]

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES
[RULE 204]

3) UPON COMPLETION, ANY VAPOR EXTRACTION WELL(S) AND DUCT(S) SHALL BE CAPPED TO PREVENT VAPORS FROM VENTING TO THE ATMOSPHERE VAPORS SHALL NOT BE EXTRACTED FROM THE SOIL, UNLESS VENTED TO THE VAPOR CONTROL SYSTEM, WITH NO DETECTABLE LEAK BETWEEN THE OUTLET OF THE BLOWER AND THE OUTLET OF THE VAPOR CONTROL SYSTEM
[RULE 1166]

4) IDENTIFICATION TAG(S) OR NAME PLATE(S) SHALL BE DISPLAYED ON THE EQUIPMENT TO SHOW MANUFACTURER MODEL NUMBER AND SERIAL NUMBER THE TAG(S) OR PLATE(S) SHALL BE ISSUED BY THE MANUFACTURER AND SHALL BE AFFIXED TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS POSITION
[RULE 206]

5) CURRENT CONTACT PERSON NAME COMPANY AND PHONE NUMBER SHALL BE DISPLAYED IN A PERMANENT AND CONSPICUOUS POSITION
[RULE 206]

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

6) A FLOW INDICATOR SHALL BE MAINTAINED AT ALL INLET STREAMS TO THE VAPOR CONTROL SYSTEM TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM) THE TOTAL FLOW RATE SHALL NOT EXCEED 150 SCFM IN CASE A DIFFERENTIAL PRESSURE DEVICE IS USED IN PLACE OF THE FLOW INDICATOR A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE, IN CFM, CORRESPONDING TO THE DIFFERENTIAL PRESSURE READING
[RULE 1303(b)(2)-OFFSET 1401]

7) VOLATILE ORGANIC COMPOUND (VOC) CONCENTRATION MEASURED AT THE OUTLET OF THE TERTIARY ADSORBER SHALL NOT EXCEED 2 PARTS PER MILLION BY VOLUME (PPMV)
[RULE 1303(b)(2)-OFFSET]

8) WHENEVER THE VOC CONCENTRATION AT THE OUTLET OF THE SECONDARY ADSORBER EXCEEDS 2 PPMV, THIS EQUIPMENT SHALL BE SHUT DOWN AND REMAIN OFF UNTIL THE ADSORBERS ARE REPLACED AS FOLLOWS

A PRIMARY ADSORBER SHALL BE REPLACED WITH EITHER FRESH ADSORBENT OR ADSORBENT FROM THE SECONDARY OR TERTIARY ADSORBER, AND
B SECONDARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT OR ADSORBENT FROM THE TERTIARY ADSORBER AND
C TERTIARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT
[RULE 1166, 1303(b)(2)-OFFSET, 1401]

9) SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE STORED IN CLOSED CONTAINERS PRIOR TO DISPOSAL
[RULE 204]

Periodic Monitoring

10) VOC CONCENTRATION SHALL BE MONITORED BY USING A PHOTO IONIZATION DETECTOR OR A DISTRICT APPROVED ORGANIC VAPOR ANALYZER CALIBRATED IN PPMV OF HEXANE THE VOC CONCENTRATION SHALL BE MEASURED AT THE OUTLETS OF THE PRIMARY SECONDARY, AND TERTIARY ADSORBERS AT LEAST ONCE EVERY OPERATING DAY FOR THE FIRST TWO WEEKS AND WEEKLY THEREAFTER
[RULE 1166, 1303(b)(2)-OFFSET, 1401, 3004(a)(4)]

11) RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS NUMBERS 4 THROUGH 10 THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST
[RULE 3004(a)(4)]

Emissions and Requirements

PM RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
VOC RULE 1166

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

PERMIT TO OPERATE

Permit No F36256
A/N 376918

Equipment Description

SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM FOR JET FUEL AREA CONSISTING OF

1 VAPOR EXTRACTION WELLS AND DUCTS

2 WATER KNOCKOUT POT

3 EXTRACTION BLOWER, MAXIMUM FLOW RATE 150 SCFM

4 THREE CARBON ADSORBERS, WITH 1 000 LBS ACTIVATED CARBON EACH, CANISTER-TYPE, IN SERIES

Conditions

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW
[RULE 204]

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES
[RULE 204]

3) UPON COMPLETION, ANY VAPOR EXTRACTION WELL(S) AND DUCT(S) SHALL BE CAPPED TO PREVENT VAPORS FROM VENTING TO THE ATMOSPHERE VAPORS SHALL NOT BE EXTRACTED FROM THE SOIL, UNLESS VENTED TO THE VAPOR CONTROL SYSTEM, WITH NO DETECTABLE LEAK BETWEEN THE OUTLET OF THE BLOWER AND THE OUTLET OF THE VAPOR CONTROL SYSTEM
[RULE 1166]

4) IDENTIFICATION TAG(S) OR NAME PLATE(S) SHALL BE DISPLAYED ON THE EQUIPMENT TO SHOW MANUFACTURER MODEL NUMBER AND SERIAL NUMBER THE TAG(S) OR PLATE(S) SHALL BE ISSUED BY THE MANUFACTURER AND SHALL BE AFFIXED TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS POSITION
[RULE 206]

5) CURRENT CONTACT PERSON NAME, COMPANY AND PHONE NUMBER SHALL BE DISPLAYED IN A PERMANENT AND CONSPICUOUS POSITION
[RULE 206]

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

6) A FLOW INDICATOR SHALL BE MAINTAINED AT ALL INLET STREAMS TO THE VAPOR CONTROL SYSTEM TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM) THE TOTAL FLOW RATE SHALL NOT EXCEED 150 SCFM IN CASE A DIFFERENTIAL PRESSURE DEVICE IS USED IN PLACE OF THE FLOW INDICATOR A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE IN CFM CORRESPONDING TO THE DIFFERENTIAL PRESSURE READING
[RULE 1303(b)(2)-OFFSET 1401]

7) VOLATILE ORGANIC COMPOUND (VOC) CONCENTRATION MEASURED AT THE OUTLET OF THE TERTIARY ADSORBER SHALL NOT EXCEED 2 PPMV
[RULE 1303(b)(2)-OFFSET]

8) WHENEVER THE VOC CONCENTRATION AT THE OUTLET OF THE SECONDARY ADSORBER EXCEEDS 2PPMV, THIS EQUIPMENT SHALL BE SHUT DOWN AND REMAIN OFF UNTIL THE ADSORBERS ARE REPLACED AS FOLLOWS

A PRIMARY ADSORBER SHALL BE REPLACED WITH EITHER FRESH ADSORBENT OR ADSORBENT FROM THE SECONDARY OR TERTIARY ADSORBER AND
B SECONDARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT OR ADSORBENT FROM THE TERTIARY ADSORBER, AND
C TERTIARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT
[RULE 1166, 1303(b)(2)-OFFSET, 1401]

9) SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE STORED IN CLOSED CONTAINERS PRIOR TO DISPOSAL
[RULE 204]

Periodic Monitoring

10) VOC CONCENTRATION SHALL BE MONITORED BY USING A PHOTO IONIZATION DETECTOR OR A DISTRICT APPROVED ORGANIC VAPOR ANALYZER CALIBRATED IN PARTS PER MILLION BY VOLUME (PPMV) OF HEXANE THE VOC CONCENTRATION SHALL BE MEASURED AT THE OUTLETS OF THE PRIMARY, SECONDARY, AND TERTIARY ADSORBERS AT LEAST ONCE EVERY OPERATING DAY FOR THE FIRST TWO WEEKS AND WEEKLY THEREAFTER
[RULE 1166, 1303(b)(2)-OFFSET, 1401, 3004(a)(4)]

11) RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS NUMBERS 4 THROUGH 10 THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST
[RULE 3004(a)(4)]

Emissions and Requirements

PM RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
VOC RULE 1166

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

RULE 219 EQUIPMENT

Equipment Description

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS

Periodic Monitoring

1 THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S)

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF (a) COATING TYPE (b) VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS (c) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT FOR OTHER COATING

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS OR OTHER VOC CONTAINING MATERIALS ARE ADDED MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT FOR OTHER COATING
[RULE 3004 (a) (4)]

Emissions And Requirements

2 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS

VOC RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS
VOC RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

RULE 219 EQUIPMENT

Equipment Description

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS

Emissions And Requirements

1 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS

VOC	RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
VOC	RULE 1124, SEE APPENDIX B FOR EMISSION LIMITS
VOC & HAP	40CFR PART 63 SUBPART GG

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

RULE 219 EQUIPMENT

Equipment Description

RULE 219 EXEMPT EQUIPMENT, COMFORT AIR CONDITIONING

Emissions And Requirements

1 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION

OZONE DEPLETING SUBSTANCES 40CFR82 SUBPART F

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

RULE 219 EQUIPMENT

Equipment Description

RULE 219 EXEMPT EQUIPMENT REFRIGERANT UNITS

Emissions And Requirements

1 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION

OZONE DEPLETING SUBSTANCES 40CFR82 SUBPART F

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

RULE 219 EQUIPMENT

Equipment Description

RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECYCLING EQUIPMENT

Emissions And Requirements

1 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION

OZONE DEPLETING SUBSTANCES	40CFR82 SUBPART F

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

RULE 219 EQUIPMENT

Equipment Description

RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING - HALON

Emissions And Requirements

1 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION

HALON RULE 1418

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

RULE 219 EQUIPMENT

Equipment Description

RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT GLOVE-BOX TYPE

Periodic Monitoring

1 THE OPERATOR SHALL PERFORM AN ANNUAL INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S)

A THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA

B THE DATE, TIME AND RESULTS OF THE INSPECTION, AND

C THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION

[RULE 3004 (a)(4)]

2 THE OPERATOR SHALL DISCHARGE DUST COLLECTED IN THIS EQUIPMENT ONLY INTO CLOSED CONTAINERS
[RULE 3004 (a)(4)]

3 THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS WHENEVER VISIBLE EMISSIONS ARE OBSERVED AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS

A STACK OR EMISSION POINT IDENTIFICATION

B DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS AND

C DATE AND TIME VISIBLE EMISSION WAS ABATED

[RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

Fmissions And Requirements

1 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION

PM RULE 404 SEE APPENDIX B FOR EMISSION LIMITS
PM RULE 405, SEE APPENDIX B FOR EMISSION LIMITS
PM RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

RULE 219 EQUIPMENT

Equipment Description

RULE 219 EXEMPT EQUIPMENT, HEATERS, <2 0 MMBTU/HR

Emissions And Requirements

1 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION

PM	0 1 gr/scf RULE 409
NOx	30 PPMV, RULE 1146 2
CO	400 PPMV, RULE 1146 2
CO	2000 PPMV, RULE 407

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

RULE 219 EQUIPMENT

Equipment Description

RULE 219 EXEMPT EQUIPMENT, CURING OVENS, ELECTRICAL

Emissions And Requirements

1 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION

VOC RULE 1124, SEE APPENDIX B FOR EMISSION LIMITS
VOC RULE 1171 SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
GE ENGINE SERVICES

RULE 219 EQUIPMENT

Equipment Description

RULE 219 EXEMPT EQUIPMENT, HAND APPLICATION, SOLID FILM LUBRICANT

Emissions And Requirements

1 THIS EQUIPMENT IS SUBJECT TO THE APPI ICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION

VOC RULE 1124, SEE APPENDIX B FOR EMISSION LIMITS
VOC RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D32916
A/N 217256
Page 1

This initial permit shall be renewed by 11/1 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: GENERAL ELECTRIC COMPANY
1923 EAST AVION ST.
ONTARIO, CA 91761
ATTN: DAVID W. LU

ID 11726

Equipment located at: SAME AS ABOVE

Equipment Description:

FOAM PACKAGING SYSTEM, CLOSED CELL, SEALED AIR CORPORATION, INSTAPAK 715, WITH ONE 55 GALLON DRUM CONTAINING POLYMERIC ISOCYANATE (COMPONENT A) AND ONE 55 GALLON DRUM CONTAINING POLYURETHANE RESIN (COMPONENT B).

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THE FOAM PACKAGING OPERATION SHALL COMPLY WITH THE REQUIREMENTS OF RULE 1175.

4. THE OPERATOR SHALL MAINTAIN DAILY RECORDS TO INDICATE THE USAGE OF THE RAW MATERIALS USED TO MANUFACTURE THE FOAM USED FOR PACKAGING.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/jg-5332
October 15, 1990

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D32913
A/N 218446
Page 1

This initial permit shall be renewed by 11/1 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 11726

Legal Owner Or Operator:

GENERAL ELECTRIC COMPANY
1923 EAST AVION ST.
ONTARIO, CA 91761
ATTN: DAVID W. LU

Equipment located at: SAME AS ABOVE

Equipment Description:

ABRASIVE BLASTING SYSTEM CONSISTING OF:

1. CABINET, PAULI & GRIFFIN, PRAM 31, 4' W X 4' L X 4' H.
2. PRESSURE POT.
3. ONE NOZZLE WITH A MAXIMUM INTERNAL DIAMETER OF 3/8 INCH.
4. PLANT AIR WITH A MAXIMUM DELIVERY RATE AT 30 PSI.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL EQUIPMENT THAT HAS BEEN ISSUED WITH A PERMIT TO OPERATE.
4. THE ABRASIVE BLASTING OPERATION SHALL COMPLY WITH THE REQUIREMENTS OF RULE 1140.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/jg-5332
October 15, 1990

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D32911
A/N 218447
Page 1

This initial permit shall be renewed by 11/1 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: GENERAL ELECTRIC COMPANY
1923 EAST AVION ST.
ONTARIO, CA 91761
ATTN: DAVID W. LU

ID 11726

Equipment located at: SAME AS ABOVE

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ICM INC., MODEL 6060, ENVELOPE TYPE, 132 ENVELOPES, EACH 11" W X 3' - 3" L (6.2 SQUARE FEET PER BAG, TOTAL AREA OF 818 SQUARE FEET), WITH A 1 H.P. POWER SHAKER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. DUST COLLECTED IN THE BAGHOUSE SHALL BE DISCHARGED ONLY INTO A CLOSED CONTAINER.

4. A MECHANICAL GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE BAGS.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/jg-5332
October 15, 1990

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D32915
A/N 218449
Page 1

This initial permit shall be renewed by 11/1 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: GENERAL ELECTRIC COMPANY
1923 EAST AVION ST.
ONTARIO, CA 91761
ATTN: DAVID W. LU

ID 11726

Equipment located at: SAME AS ABOVE

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, PAULI & GRIFFIN, PRAM 31, 4' - 6" W X 7' - 8" L X 7' - 7" H., CARTRIDGE TYPE, WITH TWO CARTRIDGES (TOTAL FILTER AREA 450 SQUARE FEET) WITH A HAND SHAKER MECHANISM.

2. BLOWER, 2 H.P. (640 CFM) VENTING THE CYCLONE SEPARATOR OF THE ABRASIVE BLAST CABINET DESCRIBED IN APPLICATION NO. 218446.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. DUST COLLECTED IN THE BAGHOUSE SHALL BE DISCHARGED ONLY INTO A CLOSED CONTAINER.

4. A MECHANICAL GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE BAGS.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/jg-5332
October 15, 1990

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D32912
A/N 218450
Page 1

This initial permit shall be renewed by 11/1 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: GENERAL ELECTRIC COMPANY
1923 EAST AVION ST.
ONTARIO, CA 91761
ATTN: DAVID W. LU

ID 11726

Equipment located at: SAME AS ABOVE

Equipment Description:

ABRASIVE BLASTING SYSTEM CONSISTING OF:

1. CABINET, GLOVE TYPE, ICM INC., MODEL C-10643 5' W X 5' L X 5' H.
2. CYCLONE SEPARATOR WITH PRESSURE POT.
3. ONE NOZZLE WITH A MAXIMUM INTERNAL DIAMETER OF 3/8 INCH.
4. PLANT AIR WITH A MAXIMUM DELIVERY RATE AT 70 PSI.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL EQUIPMENT THAT HAS BEEN ISSUED WITH A PERMIT TO OPERATE.
4. THE ABRASIVE BLASTING OPERATION SHALL COMPLY WITH THE REQUIREMENTS OF RULE 1140.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

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EXECUTIVE OFFICER

By Raquel Puerta/jg-5332
October 15, 1990

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
F34703
A/N 341151

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

LEGAL OWNER
OR OPERATOR: GE ENGINE SERVICES
1923 E AVION ST
ONTARIO, CA 91761-7766

ID 061160

Equipment Location: 2264 AVION DR, ONTARIO, CA 91761

Equipment Description:

TEST CELL NO.2, JET ENGINES, 243' L. X 72' W. X 57' H., CONSISTING OF:

1. INLET STACK, 29' W. X 29' L. X 32' H.
2. JET CELL AREA.
3. AUGMENTER.
4. EXHAUST STACK WITH ACOUSTICS, 36' L. X 36' W. X 57' H.

Conditions:

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3) THE MAXIMUM DAILY EMISSIONS FROM THIS TEST CELL SHALL NOT EXCEED THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION (LB/DAY)
VOLATILE ORGANIC COMPOUNDS	2387
NITROGEN OXIDES	3966
CARBON MONOXIDE	4039
PARTICULATE MATTER < = 10 MICRONS	29
SULFUR OXIDES	684

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

4) THE EMISSIONS FROM THIS CELL SHALL NOT EXCEED THE FOLLOWING BASED ON A 30-DAY AVERAGE:

CONTAMINANT	EMISSION (LB/DAY)
VOLATILE ORGANIC COMPOUNDS	2387
NITROGEN OXIDES	1633
CARBON MONOXIDE	4039
PARTICULATE MATTER < = 10 MICRONS	12
SULFUR OXIDES	282

5) A COMPUTER TRACKING SYSTEM SHALL BE USED TO CONTINUOUSLY MONITOR THE FUEL FLOW RATE DURING THE TURBINE TEST. THE COMPUTER TRACKING SYSTEM SHALL BE ABLE TO CONTINUOUSLY CALCULATE THE EMISSIONS BY MULTIPLYING THE FUEL FLOW RATE BY A DISTRICT APPROVED ENGINE SPECIFIC EMISSIONS FACTOR.

6) RECORDS SHALL BE MAINTAINED TO PROVE IN COMPLIANCE WITH CONDITIONS 3 AND 4. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

7) PERMIT SHIELD. NOT WITHSTANDING THE OTHER REQUIREMENTS AND CONDITIONS IN THIS PERMIT, THIS EQUIPMENT IS NOT SUBJECT TO THE FOLLOWING REQUIREMENTS:

DISTRICT RULE 404, AS AMENDED ON FEBRUARY 7, 1986
DISTRICT RULE 405, AS AMENDED ON FEBRUARY 7, 1986
DISTRICT RULE 407, AS AMENDED ON APRIL 2, 1982
PISTRICT RULE 409, AS AMENDED ON AUGUST 7, 1981
DISTRICT RULE 474, AS AMENDED ON DECEMBER 4, 1981
DISTRICT RULE 1134, AS AMENDED ON AUGUST 8, 1997
DISTRICT REGULATION XX, AS AMENDED IN 1997
FEDERAL REGULATION 40 CFR PART 60 SUBPART GG, AS AMENDED IN 1995

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

FILE COPY

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/tt01
10/27/2000

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D68049
A/N 215004
Page 1

[redacted]

Legal Owner Or Operator: BEECHCRAFT WEST - ONTARIO
ATTENTION SHAWN A BEAVER
2161 E. AVION STREET
ONTARIO, CA 91761

ID 039787

Equipment located at: SAME

Equipment Description:

AVIATION GAS AND JET-A FUEL STORAGE AND AIRCRAFT FUELING FACILITY CONSISTING OF:

1. ONE (1) AVIATION GASOLINE UNDERGROUND STORAGE TANK, CAPACITY 15,000 GALLONS, WITH A BALANCE TYPE PHASE I VAPOR RECOVERY SYSTEM, SUBMERGED TUBE, AND OFFSET FILL.

2. TWO (2) 20,000 AND ONE (1) 15,000 GALLON JET-A FUEL UNDERGROUND STORAGE TANKS, WITH A BALANCE TYPE PHASE I VAPOR RECOVERY SYSTEM, SUBMERGED TUBE, AND OFFSET FILL.

3. ONE (1) AVIATION GASOLINE DISPENSING SYSTEM LOCATED AT THE WEST PAD CONSISTING OF ONE DISPENSER WITH A HOSE (2" X 12') REEL DISPENSING NOZZLE.

4. ONE (1) JET-A GASOLINE DISPENSING SYSTEM LOCATED AT THE EAST PAD CONSISTING OF ONE DISPENSER WITH A HOSE (2.5" X 12') REEL DISPENSING NOZZLE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. PHASE I VAPOR RECOVERY SYSTEM SHALL BE IN FULL OPERATION WHENEVER THE AVIATION GASOLINE TANK IS BEING FILLED. THIS SYSTEM SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET CARB CERTIFICATION REQUIREMENT.

4. THE TOTAL MAXIMUM AMOUNT OF AVIATION GASOLINE TRANSFERRED INTO THE STORAGE TANK AND LOADED INTO THE TANK TRUCKS SHALL NOT EXCEED 10,000 GALLONS PER MONTH.

FILE COPY

PERMIT TO OPERATE

5. THE TOTAL MAXIMUM AMOUNT OF JET-A FUEL TRANSFERRED INTO THE STORAGE TANKS AND LOADED INTO THE TANK TRUCKS SHALL NOT EXCEED 510,000 GALLONS PER MONTH.

6. RECORDS OF THE DAILY AND MONTHLY AVIATION GASOLINE AND JET FUEL RECEIVED AND LOADED INTO TANK TRUCKS SHALL BE MAINTAINED FOR A PERIOD OF TWO YEARS AND MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.

NOTICE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/nd
01/11/93

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D68049
A/N 215004
Page 1

[redacted]

Legal Owner Or Operator: BEECHCRAFT WEST - ONTARIO
ATTENTION SHAWN A BEAVER
2161 E. AVION STREET
ONTARIO, CA 91761

ID 039787

Equipment located at: SAME

Equipment Description:

AVIATION GAS AND JET-A FUEL STORAGE AND AIRCRAFT FUELING FACILITY CONSISTING OF:

1. ONE (1) AVIATION GASOLINE UNDERGROUND STORAGE TANK, CAPACITY 15,000 GALLONS, WITH A BALANCE TYPE PHASE I VAPOR RECOVERY SYSTEM, SUBMERGED TUBE, AND OFFSET FILL.

2. TWO (2) 20,000 AND ONE (1) 15,000 GALLON JET-A FUEL UNDERGROUND STORAGE TANKS, WITH A BALANCE TYPE PHASE I VAPOR RECOVERY SYSTEM, SUBMERGED TUBE, AND OFFSET FILL.

3. ONE (1) AVIATION GASOLINE DISPENSING SYSTEM LOCATED AT THE WEST PAD CONSISTING OF ONE DISPENSER WITH A HOSE (2" X 12') REEL DISPENSING NOZZLE.

4. ONE (1) JET-A GASOLINE DISPENSING SYSTEM LOCATED AT THE EAST PAD CONSISTING OF ONE DISPENSER WITH A HOSE (2.5" X 12') REEL DISPENSING NOZZLE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. PHASE I VAPOR RECOVERY SYSTEM SHALL BE IN FULL OPERATION WHENEVER THE AVIATION GASOLINE TANK IS BEING FILLED. THIS SYSTEM SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET CARB CERTIFICATION REQUIREMENT.

4. THE TOTAL MAXIMUM AMOUNT OF AVIATION GASOLINE TRANSFERRED INTO THE STORAGE TANK AND LOADED INTO THE TANK TRUCKS SHALL NOT EXCEED 10,000 GALLONS PER MONTH.

FILE COPY

PERMIT TO OPERATE

5. THE TOTAL MAXIMUM AMOUNT OF JET-A FUEL TRANSFERRED INTO THE STORAGE TANKS AND LOADED INTO THE TANK TRUCKS SHALL NOT EXCEED 510,000 GALLONS PER MONTH.

6. RECORDS OF THE DAILY AND MONTHLY AVIATION GASOLINE AND JET FUEL RECEIVED AND LOADED INTO TANK TRUCKS SHALL BE MAINTAINED FOR A PERIOD OF TWO YEARS AND MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.

NOTICE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/nd
01/11/93

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO CONSTRUCT/OPERATE

Permit No.
D68049
A/N 275851
Page 1

This initial permit shall be renewed by 2/16 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: POWERINE OIL CO. UNIT NO. 20
12354 LAKELAND ROAD
SANTA FE SPRINGS, CA 90670-3856
ATTN: JUNE CHRISTMAN

ID 022024

Equipment located at: SAME AS ABOVE

Equipment Description:

STORAGE TANK NO. 27089, 70'-0" D. X 40'-0" H., 27,000 BBL. CAPACITY, FIXED ROOF, VENTED TO VAPOR RECOVERY SYSTEM NO.3, 5 HP TANK MIXER WITH MECHANICAL SEAL.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. WHEN STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 77.5 MM Hg (1.5 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS, TANK NO. 27089 SHALL BE CONNECTED TO A VAPOR CONTROL SYSTEM WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

4. THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM Hg (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.

5. THROUGHPUT TO THIS TANK OF ORGANIC LIQUIDS WITH A MAXIMUM TRUE VAPOR PRESSURE OF 11 PSIA SHALL NOT EXCEED 5000 BBL/DAY.

FILE COPY

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

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EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/gl
1/11/93

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 03289

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR. General Electric Company

Appl. No. 00720E

EQUIPMENT LOCATED AT: Ontario International Airport, Ontario, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Vapor Degreaser, Autosonics Model 656500, 78" x 78" x 72" Deep, with Thirty - 1.75 KVA Heating Elements, 0.5 HP Spray Pump, Chilled Water Ring, and 0.5 HP Transfer Pump to Autosonics Model 90E Still with Eighteen 2 KVA Heating Elements. Uses 1,1,1 Trichloroethane as Solvent.

FILE COPY

Condition:
Change of solvent from that cited in equipment description shall not be made without written approval from this District.

This initial permit must be renewed by November 13, 1980 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

Permit Fee Covered by Filing Fee

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Janice F Moore

DATE November 13, 1979

76P234C 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 03290

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: General Electric Company

Appl. No. 00721E

EQUIPMENT LOCATED AT: Ontario International Airport, Ontario, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Air Pollution Control Scrubbing System, Consisting of: Two Systems Engineering Associates Packed Column Scrubbers in Parallel with Common Inlet Header and Electrical Interlock, Each 7' x 7' x 9' High with 25 HP 20,000 CFM Exhaust Fan and 1.5 HP, 50 gpm Water Pump, Vents Exempt Cleaning Line Using Aqueous Solutions.
Total - 53 HP.

FILE COPY

Condition:
This equipment must be kept in good operating condition at all times.

This initial permit must be renewed by November 13, 1980 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

C C003 50000Da F132

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY James T. Moore

DATE November 13, 1979

76P234C - 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 03291

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: General Electric Company

Appl. No. 00722E

EQUIPMENT LOCATED AT: Ontario International Airport, Ontario, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Abrasive Blast Cabinet No. 1, ICM 4800 Superhone Style III, 54" x 54" x 40", with Aspirated Feed Pot, and Cyclone Abrasive Reclaimer.

FILE COPY

Condition:
This equipment shall not be operated unless it is vented to functional air pollution control equipment which is operating under a valid permit issued by this District.

This initial permit must be renewed by November 13, 1980 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.1) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

C C004 50000a #138

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY [signature]

DATE November 13, 1979

76P234C - 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 03292

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: General Electric Company

Appl. No. 00723E

EQUIPMENT LOCATED AT: Ontario International Airport, Ontario, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Air Pollution Control Baghouse, ICM Model SS 400-E with 385 Ft^2 Filter Area, 1,350 ACFM, and 5 HP Exhaust Fan, Venting Abrasive Blast Cabinet No. 1.

Total - 5 HP.

Condition:
This equipment must be kept in good operating condition at all times.

FILE COPY

This initial permit must be renewed by November 13, 1980 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

C C005 50000a =13R

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Jerome F. Mooney

DATE November 13, 1979

76P234C - 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 03293

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: General Electric Company Appl. No. 00724E

EQUIPMENT LOCATED AT: Ontario International Airport, Ontario, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Abrasive Blast Cabinet No. 2, ICM 4800 Superhone Style III, 54" x 54" x 40", with 150 lb. Pressure Pot and Cyclone Abrasive Reclaimer.

Condition:
This equipment shall not be operated unless it is vented to functional air pollution control equipment which is operating under a valid permit issued by this District.

FILE COPY

This initial permit must be renewed by November 13, 1980 or an earlier date if equipment is moved, altered, or changes ownership If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

C C005 50000a F13R

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Jerrie F. Moore

DATE November 13, 1979

76P234C - 11/7

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 03294

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: General Electric Company

Appl. No. 00725E

EQUIPMENT LOCATED AT: Ontario International Airport, Ontario, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Air Pollution Control Baghouse, ICM Model SS 400-E with 385 Ft^2 Filter Area, 1,350 ACFM, and 5 HP Exhaust Fan, Venting Abrasive Blast Cabinet No. 2.

Total - 5 HP

Condition:
This equipment must be kept in good operating condition at all times.

FILE COPY

This initial permit must be renewed by November 13, 1980 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

C C007 50000a F13R

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Jerome F. Mosier

DATE November 13, 1979

76P234C 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 03295

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR General Electric Company Appl. No. 00726E

EQUIPMENT LOCATED AT. Ontario International Airport, Ontario, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Abrasive Blast Cabinet, Vacu Blast Model Mark IIP, 3'6" x 5'7" x 8' High with Cyclone Abrasive Classifier and One Ft^3 Abrasive Supply Pot.

FILE COPY

Condition:
This equipment shall not be operated unless it is vented to functional air pollution control equipment which is operating under a valid permit issued by this District.

This initial permit must be renewed by November 13, 1980 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.1) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

C C008 50000a F138

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Janice L Moore

DATE November 13, 1979

76P234C 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 03296

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: General Electric Company

Appl. No. 00727E

EQUIPMENT LOCATED AT. Ontario International Airport, Ontario, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Air Pollution Control Baghouse, Vacu Blast Model Mark III with 300 Ft^2 Manually Cleaned Bag Area and 3 HP; 1,200 CFM Exhaust Fan. Vents Abrasive Blast Cabinet.

Total - 5 HP.

Condition:
This equipment must be kept in good operating condition at all times.

FILE COPY

This initial permit must be renewed by November 13, 1980 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.1) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

C C 009 5000Da F13R

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY [signature]

DATE November 13, 1979

76P234C 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 03297

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: General Electric Company

Appl. No. 00728E

EQUIPMENT LOCATED AT: Ontario International Airport, Ontario, California

EQUIPMENT DESCRIPTION AND CONDITIONS: Paint Spray Control System, Consisting of: Binks Dynaprecipitor Water Wash Spray Booth Model WE10-7-TLH, 10' x 7' x 5' with 5 HP Exhaust Fan and 5 HP Water Pump in Series with Filter Bank Having Eighteen - 20" x 20" Exhaust Filters. Total - 10 HP.

Conditions:

1. All paint shall be non-photochemically reactive if the total paint and solvent used (exclusive of water-reducible coatings) is more than six gallons per day.
2. All solvent (diluent/thinner/reducer/cleaner) shall be non-photochemically reactive.
3. Filters shall be maintained in a tightly mounted and dimensionally stable condition free of excessive deposits or interference with air flow passages.

REMOVED 5/84 MAA

INACTIVE

FILE COPY

This initial permit must be renewed by November 13, 1980 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301 l) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

C C 010 100000a F13R

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY James F. Moore

DATE November 13, 1979

76P230C - 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Copley Drive, Colton, California 92324

E 03298

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: General Electric Company

Appl. No. 00729E

EQUIPMENT LOCATED AT: Ontario International Airport, Ontario, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Metallizing Spray Booth, Binks Model WE-12-8-T Water Wash Type, 12' x 8' x 10' Depth with 5 HP - 396 GPM, Water Pump and 7.5 HP 11,750 CFM Exhaust Fan.

Total - 12.5 HP.

Condition:
This equipment must be kept in good operating condition at all times.

FILE COPY

This initial permit must be renewed by November 13, 1980 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

C C011 100000a =13R

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Janice L. Moore

DATE November 13, 1979

76P234C - 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 03299

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: General Electric Company

Appl. No. 00730E

EQUIPMENT LOCATED AT: Ontario International Airport, Ontario, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Paint Spray Booth, Binks Automotive Type, 17' x 17' x 35' with Thirty-six 20" x 20" Exhaust Filters and 5 HP Exhaust Fan.
Total - 5 HP.
Conditions:

1. All solvent (diluent/thinner/reducer/cleaner) shall be non-photochemically reactive.
2. Filters shall be maintained in a tightly mounted and dimensionally stable condition free of excessive deposits or interference with air flow passages.

FILE COPY

This initial permit must be renewed by November 13, 1980 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.1) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

C C012 5000Da F13R

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Irvine F. Mann

DATE November 13, 1979

76P234C - 11/78

PERMIT TO OPERATE

This initial permit shall be renewed by 11/1/ ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.C) is not received by the expiration date, contact the District.

Legal Owner **ID 039787**
Or Operator: BEECHCRAFT WEST - ONTARIO
2161 E. AVION STREET
ONTARIO, CA 91761
ATTN: SHAWN A. BEAVER

Equipment located at: SAME AS ABOVE

Equipment Description:

1) 1 GASOLINE DISPENSING NOZZLE, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR.

2) 1 - GASOLINE UNDERGROUND STORAGE TANK, 6,000-GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM, NOT METHANOL COMPATIBLE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

FILE COPY

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/gl
1/12/93

FILE COPY

PERMIT TO OPERATE

This initial permit shall be renewed by 11/1/ ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.C) is not received by the expiration date, contact the District.

Legal Owner **ID 039787**
Or Operator: BEECHCRAFT WEST - ONTARIO
2161 E. AVION STREET
ONTARIO, CA 91761
ATTN: SHAWN A. BEAVER

Equipment located at: SAME AS ABOVE

Equipment Description:

1) 1 GASOLINE DISPENSING NOZZLE, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR.

2) 1 - GASOLINE UNDERGROUND STORAGE TANK, 6,000-GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM, NOT METHANOL COMPATIBLE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

FILE COPY

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

NOTICE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/gl
1/12/93

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D34251
A/N 235482
Page 1

This initial permit shall be renewed by 11/1 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator:

GENERAL ELECTRIC COMPANY
1923 EAST AVION STREET
ONTARIO, CA 91761
ATTN: DAVID W. LU

ID 11726

Equipment located at: SAME AS ABOVE

Equipment Description:

ABRASIVE BLASTING SYSTEM CONSISTING OF:

1. ABRASIVE BLAST ROOM, ICM, MODEL C10651, S/N 3059 8' W X 8' L X 8' H.
2. CYCLONE SEPARATOR, ICM 4000 WITH A 600 POUNDS ABRASIVE STORAGE HOPPER AND A 600 POUNDS CAPACITY STORAGE HOPPER.
3. ABRASIVE BLASTING NOZZLE WITH A MAXIMUM INTERNAL NOZZLE DIAMETER OF 1/2 INCH.
4. PLANT AIR WITH A MAXIMUM DELIVERY PRESSURE OF 100 PSIG.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL EQUIPMENT THAT HAS BEEN ISSUED A PERMIT TO OPERATE.
4. SILICA TYPE ABRASIVES SHALL NOT BE USED IN THIS EQUIPMENT.

FILE COPY

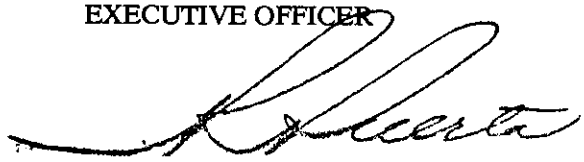
CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER



By Raquel Puerta/jg-5332
November 28, 1990

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D34252
A/N 235483
Page 1

This initial permit shall be renewed by 11/1 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: GENERAL ELECTRIC COMPANY
1923 EAST AVION STREET
ONTARIO, CA 91761
ATTN: DAVID W. LU

ID 11726

Equipment located at: SAME AS ABOVE

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, ICM, MODEL HB 1000, CARTRIDGE TYPE WITH 165 CARTRIDGE EACH 11" X 39" X 1" (TOTAL FILTER AREA OF 1000 SQUARE FEET) WITH 1 H.P. MECHANICAL SHAKER.

2. BLOWER, 10 H.P. (3,200 CFM) VENTING THE CYCLONE SEPARATOR IDENTIFIED IN A/N 235482.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. A MECHANICAL GAUGE SHALL BE INSTALLED TO INDICATE IN INCHES OF WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE FILTER ENVELOPES.

4. DUST COLLECTED IN THE BAGHOUSE SHALL BE DISCHARGED ONLY INTO CLOSED CONTAINERS.

FILE COPY

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

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EXECUTIVE OFFICER

By Raquel Puerta/jg-5332
November 28, 1990

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

PERMIT NO.
M89141

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: FEDERAL EXPRESS CORP

EQUIPMENT LOCATED AT: 1801 AVION
ONTARIO, CA 917610000

APPL. # 159545 CO. ID. 058000
SECTOR KH

EQUIPMENT DESCRIPTION AND CONDITIONS:

R461 GASOLINE FUELING & DISPENSING FACILITY CONSISTING OF :
1. 01 GASOLINE STORAGE TANKS
2. 03 GAS DISPENSING NOZZLES
3. VAPOR RECOVERY SYSTEM - BALANCE 03

PERMIT CONDITION:
PHASE I AND PHASE II VAPOR RECOVERY SYSTEMS MUST BE IN FULL OPERATION, WHENEVER THIS FACILITY IS IN USE. SUCH SYSTEMS MUST BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CARB CERTIFICATION REQUIREMENTS.

FILE COPY

This initial permit must be renewed by 1/16 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual operating fee is not received by expiration date, contact office above.

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EXECUTIVE OFFICER

BY PRINCIPAL PERMIT PROCESSING CLERK

DATE 11/05/87

76P234M - 6/82

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No. D57864
A/N 201413 Page 1

This initial permit shall be renewed ANNUALLY unless the equipment is moved, or changes, ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: GENERAL ELECTRIC CO
1923 E AVION STREET
ONTARIO, CA 91761-7766
ATTN: DAVID W LU

ID: 011726

Equipment located at : SAME AS ABOVE

Equipment Description:

NITRIC ACID SURFACE PREPARATION LINE CONSISTING OF:

1. NICKEL STRIPPING, TANK No. T-7, 6'-0" L X6'-9" W X 5'-6" H, UNHEATED.
2. NICKEL STRIPPING, TANK No. T-12, 6'-6" L X6'-11" W X 5'-3" H, STEAM HEATED.
3. ASSOCIATED RINSE TANKS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THE FOLLOWING TANK(S) SHALL NOT BE HEATED:

   NICKEL STRIPPING TANK NO. T-7.

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No. D57864
A/N 201413 Page

This initial permit shall be renewed ANNUALLY unless the equipment is moved, or changes, ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey
October 29, 1992

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D34733
A/N 231566
Page 1

This initial permit must be renewed by 11/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: GENERAL ELECTRIC COMPANY
1923 E. AVION STREET
ONTARIO, CALIFORNIA 91761
ATTN: D. W. LU

ID 11726

Equipment located at: SAME AS ABOVE.

Equipment Description:

UNDERGROUND STORAGE TANK, AS0/01, JET FUEL, 2,000 GALLON CAPACITY, 5' - 4" DIA. X 12' - 0" L.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THE TANK SHALL NOT BE FILLED UNLESS IT IS VENTED TO A VAPOR RECOVERY SYSTEM.

4. THE TANK SHALL NOT BE FILED, TO ITS MAXIMUM CAPACITY MORE THAN ONCE A DAY.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/ps
December 17, 1990

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
N5502
A/N 335009

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: MERCURY AIR GRP, MERCURY AIR CENTER, DBA
2161 EAST AVION STREET
ONTARIO, CA 91761

ID 114338

Equipment Location: SAME AS ABOVE

Equipment Description:

Fuel Storage and Dispensing Facility Consisting of:

1) 01 - GASOLINE DISPENSING NOZZLES, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR (G-70-52-AM).

2) 01 - GASOLINE UNDERGROUND STORAGE TANKS, 6,000-GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM (G-70-97-A), NOT METHANOL COMPATIBLE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

FILE COPY

6. PHASE II VAPOR RECOVERY SYSTEMS SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE DROP THROUGH THE SYSTEM (INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDER GROUND PIPING), DOES NOT EXCEED THE DYNAMIC BACK PRESSURE RATES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES (CFH)	DYNAMIC BACK PRESSURE (INCHES OF WATER)
40	0.16
60	0.35
80	0.62

AT LEAST ONCE EVERY FIVE CALENDAR YEARS FROM THE ISSUANCE DATE OF THIS PERMIT, DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURE RATES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.4. RESULTS SHALL BE SUBMITTED TO THE DISTRICT, OFFICE OF STATIONARY SOURCE COMPLIANCE, WITHIN THIRTY (30) DAYS OF TESTS.

THE SCAQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST TWENTY-FOUR HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE DYNAMIC BACK PRESSURE TEST.

7. AT LEAST ONCE EVERY FIVE CALENDAR YEARS FROM THE ISSUANCE DATE OF THIS PERMIT, A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF STATIONARY SOURCE COMPLIANCE, WITHIN THIRTY (30) DAYS OF TEST.

THE SCAQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST TWENTY-FOUR HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE STATIC PRESSURE LEAK DECAY TEST.

NOTICE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/nd
12/19/1997

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
F10899
A/N 335011
Page 1

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for permit renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: MERCURY AIR GRP, MERCURY AIR CENTER, DBA
2161 EAST AVION STREET
ONTARIO, CA 91761

ID 114338

Equipment Location: SAME AS ABOVE

Equipment Description:

Fuel Storage and Dispensing Facility Consisting of:

1) 01 - GASOLINE DISPENSING NOZZLES, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR (G-70-52-AM).

2) 01 - GASOLINE UNDERGROUND STORAGE TANKS, 6,000-GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM (G-70-97-A), NOT METHANOL COMPATIBLE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

6. PHASE II VAPOR RECOVERY SYSTEMS SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE DROP THROUGH THE SYSTEM (INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDER GROUND PIPING), DOES NOT EXCEED THE DYNAMIC BACK PRESSURE RATES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES (CFH)	DYNAMIC BACK PRESSURE (INCHES OF WATER)
40	0.16
60	0.35
80	0.62

AT LEAST ONCE EVERY FIVE CALENDAR YEARS FROM THE ISSUANCE DATE OF THIS PERMIT, DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURE RATES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.4. RESULTS SHALL BE SUBMITTED TO THE DISTRICT, OFFICE OF STATIONARY SOURCE COMPLIANCE, WITHIN THIRTY (30) DAYS OF TESTS.

THE SCAQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST TWENTY-FOUR HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE DYNAMIC BACK PRESSURE TEST.

7. AT LEAST ONCE EVERY FIVE CALENDAR YEARS FROM THE ISSUANCE DATE OF THIS PERMIT, A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF STATIONARY SOURCE COMPLIANCE, WITHIN THIRTY (30) DAYS OF TEST.

THE SCAQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST TWENTY-FOUR HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE STATIC PRESSURE LEAK DECAY TEST.

FILE COPY

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/nd
12/19/1997

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
F10898
A/N 335013
Page 1

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: **ID 114338**
MERCURY AIR GRP. MERCURY AIR CENTER, DBA
2161 E AVION ST.
ONTARIO, CA 91761

Equipment located at: SAME AS ABOVE

Equipment Description:

AVIATION GAS AND JET-A FUEL STORAGE AND AIRCRAFT FUELING FACILITY CONSISTING OF:

1. ONE (1) AVIATION GASOLINE UNDERGROUND STORAGE TANK, CAPACITY 15,000 GALLONS, WITH A BALANCE TYPE PHASE I VAPOR RECOVERY SYSTEM, SUBMERGED TUBE, AND OFFSET FILL.

2. TWO (2) 20,000 AND ONE (1) 15,000 GALLON JET-A FUEL UNDERGROUND STORAGE TANKS, WITH A BALANCE TYPE PHASE I VAPOR RECOVERY SYSTEM, SUBMERGED TUBE, AND OFFSET FILL.

3. ONE (1) AVIATION GASOLINE DISPENSING SYSTEM LOCATED AT THE WEST PAD CONSISTING OF ONE DISPENSER WITH A HOSE (2" X 12') REEL DISPENSING NOZZLE.

4. ONE (1) JET-A GASOLINE DISPENSING SYSTEM LOCATED AT THE EAST PAD CONSISTING OF ONE DISPENSER WITH A HOSE (2.5" X 12') REEL DISPENSING NOZZLE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. PHASE I VAPOR RECOVERY SYSTEM SHALL BE IN FULL OPERATION WHENEVER THE AVIATION GASOLINE TANK IS BEING FILLED. THIS SYSTEM SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET CARB CERTIFICATION REQUIREMENT.

4. THE TOTAL MAXIMUM AMOUNT OF AVIATION GASOLINE TRANSFERRED INTO THE STORAGE TANK AND LOADED INTO THE TANK TRUCKS SHALL NOT EXCEED 10,000 GALLONS PER MONTH.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

5. THE TOTAL MAXIMUM AMOUNT OF JET-A FUEL TRANSFERRED INTO THE STORAGE TANKS AND LOADED INTO THE TANK TRUCKS SHALL NOT EXCEED 510,000 GALLONS PER MONTH.

6. RECORDS OF THE DAILY AND MONTHLY AVIATION GASOLINE AND JET FUEL RECEIVED AND LOADED INTO TANK TRUCKS SHALL BE MAINTAINED FOR A PERIOD OF TWO YEARS AND MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/nd
12/19/97

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE EL MONTE CALIFORNIA 91731

Permit No
D12854
A/N 201407
Page 1

This initial permit must be renewed by 11/16 ANNUALLY unless the equipment is moved, or changes ownership If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator ID 61160

GENERAL ELECTRIC COMPANY
1923 EAST AVION STREET
ONTARIO, CA 91761
ATTN B P 0'LEARY

Equipment located at 2264 EAST AVION PLACE, ONTARIO, CALIFORNIA

Equipment Description

STORAGE TANK NO 2, JET A FUEL OIL, FIXED ROOF TYPE, 16500 GALLON CAPACITY, 11' -0 0" DIA X 24' -0 0" H

Conditions

1 OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW

2 THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES

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EXECUTIVE OFFICER

By Raquel Puerta/lv
December 8, 1989

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D78841
A/N 287112
Page 1

This initial permit must be renewed by 11/16 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301 f) is not received by the expiration date, contact the District

ID 061160

Legal Owner Or Operator:
GENERAL ELECTRIC COMPANY
1923 EAST AVION STREET
ONTARIO, CALIFORNIA 91761
ATTN: HANI W. ZARIFA

Equipment located at: 2264 EAST AVION PLACE, ONTARIO, CALIFORNIA 91761.

Equipment Description:

STORAGE TANK #4, FIXED ROOF, JET-A FUEL, 11' - 0" DIA. X 24' - 0" L., 16,500 GALLON CAPACITY.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS TANK SHALL BE USED TO STORE JET A FUEL ONLY.

4. THE AMOUNT OF JET A FUEL SUPPLIED TO THIS TANK IS LIMITED TO 379,500 GALLONS IN ANY 30 DAY PERIOD.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

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EXECUTIVE OFFICER

Dorris M. Bailey

By DORRIS M. BAILEY/ps
Principal Office Assistant
December 6, 1993

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D12855
A/N 201415
Page 1

This initial permit must be renewed by 11/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator:

GENERAL ELECTRIC COMPANY
1923 EAST AVION STREET
ONTARIO, CA 91761
ATTN: B.P. O'LEARY

ID 11726

Equipment located at: SAME AS ABOVE

Equipment Description:

BOILER, PARKER, WATERTUBE TYPE, MODEL NUMBER T-2970, SERIAL NUMBER R-687361, 2970000 BTU/HR, WITH 1 PARKER, MODEL NUMBER 64-T9S, GAS BURNER.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS EQUIPMENT MUST BE FIRED ON NATURAL GAS ONLY.

NOTICE

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EXECUTIVE OFFICER

By Raquel Puerta/lv
December 8, 1989

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE EL MONTE CALIFORNIA 91731

Permit No
D12852
A/N 201405
Page 1

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Legal Owner Or Operator

ID 61160

GENERAL ELECTRIC COMPANY
1923 EAST AVION STREET
ONTARIO, CA 91761
ATTN B P 0'LEARY

Equipment located at 2264 EAST AVION PLACE, ONTARIO, CALIFORNIA

Equipment Description

STORAGE TANK NO 1, JET A FUEL OIL, FIXED ROOF TYPE, 16500 GALLON CAPACITY, 11' -0 0" DIA X 24' -0 0" H

Conditions

1 OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW

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EXECUTIVE OFFICER

By Raquel Puerta/lv
December 8, 1989

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D12853
A/N 201406
Page 1

This initial permit must be renewed by 11/16 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: GENERAL ELECTRIC COMPANY
1923 EAST AVION STREET
ONTARIO, CA 91761
ATTN: B.P. O'LEARY

ID 61160

Equipment located at: 2264 EAST AVION PLACE, ONTARIO, CALIFORNIA

Equipment Description:

STORAGE TANK NO. 3, JET A FUEL OIL, FIXED ROOF TYPE, 16500 GALLON CAPACITY, 11' -0.0" DIA. X 24' -0.0" H.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

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EXECUTIVE OFFICER

FILE COPY

By Raquel Puerta/lv
December 8, 1989

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO CONSTRUCT/OPERATE

Permit No.
F36249
A/N 376915

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

LEGAL OWNER
OR OPERATOR: GE ENGINE SERVICES
1923 E AVION ST
ONTARIO, CA 91761-7766

ID 061160

Equipment Location: 2264 AVION DR, ONTARIO, CA 91761

Equipment Description:

SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM, FOR AREA "A", CONSISTING OF:

1. VAPOR EXTRACTION WELLS AND DUCTS

2. WATER KNOCKOUT POT

3. EXTRACTION BLOWER, MAXIMUM FLOW RATE 150 SCFM

4. THREE CARBON ADSORBERS, WITH 1,000 LBS ACTIVATED CARBON EACH, CANISTER-TYPE, IN SERIES

Conditions:

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3) UPON COMPLETION, ANY VAPOR EXTRACTION WELL(S) AND DUCT(S) SHALL BE CAPPED TO PREVENT VAPORS FROM VENTING TO THE ATMOSPHERE. VAPORS SHALL NOT BE EXTRACTED FROM THE SOIL, UNLESS VENTED TO THE VAPOR CONTROL SYSTEM, WITH NO DETECTABLE LEAK BETWEEN THE OUTLET OF THE BLOWER AND THE OUTLET OF THE VAPOR CONTROL SYSTEM.

4) IDENTIFICATION TAG(S) OR NAME PLATE(S) SHALL BE DISPLAYED ON THE EQUIPMENT TO SHOW MANUFACTURER MODEL NO. AND SERIAL NO. THE TAG(S) OR PLATE(S) SHALL BE ISSUED BY THE MANUFACTURER AND SHALL BE ADHERED TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS POSITION.

FILE COPY

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

5) CURRENT CONTACT PERSON NAME, COMPANY AND PHONE NUMBER SHALL BE DISPLAYED IN A PERMANENT AND CONSPICUOUS POSITION.

6) A FLOW INDICATOR SHALL BE INSTALLED AND MAINTAINED AT ALL INLET STREAMS TO THE VAPOR CONTROL SYSTEM TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM). THE TOTAL FLOW RATE SHALL NOT EXCEED 150 CFM. IN CASE A DIFFERENTIAL PRESSURE DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE (IN CFM) CORRESPONDING TO THE DIFFERENTIAL PRESSURE READING.

7) THE VOLATILE ORGANIC COMPOUND (VOC) CONCENTRATION SHALL BE MONITORED BY USING A PHOTO IONIZATION DETECTOR OR DISTRICT APPROVED ORGANIC ANALYZER CALIBRATED IN PARTS PER MILLION BY VOLUME (PPMV) OF HEXANE. THE VOC CONCENTRATION SHALL BE MEASURED AT THE OUTLETS OF THE PRIMARY, SECONDARY, AND TERTIARY CARBON ADSORBERS AT LEAST ONCE EVERY OPERATING DAY FOR THE FIRST TWO WEEKS AND WEEKLY THEREAFTER.

8) VOC CONCENTRATION MEASURED AT THE OUTLET OF THE TERTIARY ADSORBER SHALL NOT EXCEED 2 PPMV.

9) WHENEVER THE VOC CONCENTRATION AT THE OUTLET OF THE SECONDARY ADSORBER EXCEEDS 2 PPMV, THIS EQUIPMENT SHALL BE SHUT DOWN AND REMAIN OFF UNTIL THE ADSORBERS ARE REPLACED AS FOLLOWS:

   A. PRIMARY ADSORBER SHALL BE REPLACED WITH EITHER FRESH ADSORBENT OR ADSORBENT FROM THE SECONDARY OR TERTIARY ADSORBER, AND

   B. SECONDARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT OR ADSORBENT FROM THE TERTIARY ADSORBER, AND

   C. TERTIARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT.

10) SPENT CARBON ADSORBER REMOVED FROM THE SYSTEM SHALL BE STORED IN A CLOSED CONTAINER PRIOR TO DISPOSAL.

11) RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS NUMBER 4 THROUGH 10. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

FILE COPY

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/tt01
1/09/2001

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO CONSTRUCT/OPERATE

Permit No.
F36253
A/N 376916

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

LEGAL OWNER
OR OPERATOR: GE ENGINE SERVICES
1923 E AVION ST
ONTARIO, CA 91761-7766

ID 061160

Equipment Location: 2264 AVION DR, ONTARIO, CA 91761

Equipment Description:

SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM, FOR AREA "B", CONSISTING OF:

1. VAPOR EXTRACTION WELLS AND DUCTS

2. WATER KNOCKOUT POT

3. EXTRACTION BLOWER, MAXIMUM FLOW RATE 150 SCFM

4. THREE CARBON ADSORBERS, WITH 1,000 LBS ACTIVATED CARBON EACH, CANISTER-TYPE, IN SERIES

Conditions:

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3) UPON COMPLETION, ANY VAPOR EXTRACTION WELL(S) AND DUCT(S) SHALL BE CAPPED TO PREVENT VAPORS FROM VENTING TO THE ATMOSPHERE. VAPORS SHALL NOT BE EXTRACTED FROM THE SOIL, UNLESS VENTED TO THE VAPOR CONTROL SYSTEM, WITH NO DETECTABLE LEAK BETWEEN THE OUTLET OF THE BLOWER AND THE OUTLET OF THE VAPOR CONTROL SYSTEM.

4) IDENTIFICATION TAG(S) OR NAME PLATE(S) SHALL BE DISPLAYED ON THE EQUIPMENT TO SHOW MANUFACTURER MODEL NO. AND SERIAL NO. THE TAG(S) OR PLATE(S) SHALL BE ISSUED BY THE MANUFACTURER AND SHALL BE ADHERED TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS POSITION.

FILE COPY

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

5) CURRENT CONTACT PERSON NAME, COMPANY AND PHONE NUMBER SHALL BE DISPLAYED IN A PERMANENT AND CONSPICUOUS POSITION.

6) A FLOW INDICATOR SHALL BE INSTALLED AND MAINTAINED AT ALL INLET STREAMS TO THE VAPOR CONTROL SYSTEM TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM). THE TOTAL FLOW RATE SHALL NOT EXCEED 150 CFM. IN CASE A DIFFERENTIAL PRESSURE DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE (IN CFM) CORRESPONDING TO THE DIFFERENTIAL PRESSURE READING.

7) THE VOLATILE ORGANIC COMPOUND (VOC) CONCENTRATION SHALL BE MONITORED BY USING A PHOTO IONIZATION DETECTOR OR DISTRICT APPROVED ORGANIC ANALYZER CALIBRATED IN PARTS PER MILLION BY VOLUME (PPMV) OF HEXANE. THE VOC CONCENTRATION SHALL BE MEASURED AT THE OUTLETS OF THE PRIMARY, SECONDARY, AND TERTIARY CARBON ADSORBERS AT LEAST ONCE EVERY OPERATING DAY FOR THE FIRST TWO WEEKS AND WEEKLY THEREAFTER.

8) VOC CONCENTRATION MEASURED AT THE OUTLET OF THE TERTIARY ADSORBER SHALL NOT EXCEED 2 PPMV.

9) WHENEVER THE VOC CONCENTRATION AT THE OUTLET OF THE SECONDARY ADSORBER EXCEEDS 2 PPMV, THIS EQUIPMENT SHALL BE SHUT DOWN AND REMAIN OFF UNTIL THE ADSORBERS ARE REPLACED AS FOLLOWS:

   A. PRIMARY ADSORBER SHALL BE REPLACED WITH EITHER FRESH ADSORBENT OR ADSORBENT FROM THE SECONDARY OR TERTIARY ADSORBER, AND

   B. SECONDARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT OR ADSORBENT FROM THE TERTIARY ADSORBER, AND

   C. TERTIARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT.

10) SPENT CARBON ADSORBER REMOVED FROM THE SYSTEM SHALL BE STORED IN A CLOSED CONTAINER PRIOR TO DISPOSAL.

11) RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS NUMBER 4 THROUGH 10. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST.

NOTICE

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FILE COPY

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

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EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/tt01
1/09/2001

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO CONSTRUCT/OPERATE

Permit No.
F36255
A/N 376917

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

LEGAL OWNER
OR OPERATOR: GE ENGINE SERVICES
1923 E AVION ST
ONTARIO, CA 91761-7766

ID 061160

Equipment Location: 2264 AVION DR, ONTARIO, CA 91761

Equipment Description:

SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM, FOR AREA "C", CONSISTING OF:

1. VAPOR EXTRACTION WELLS AND DUCTS

2. WATER KNOCKOUT POT

3. EXTRACTION BLOWER, MAXIMUM FLOW RATE 150 SCFM

4. THREE CARBON ADSORBERS, WITH 1,000 LBS ACTIVATED CARBON EACH, CANISTER-TYPE, IN SERIES

Conditions:

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3) UPON COMPLETION, ANY VAPOR EXTRACTION WELL(S) AND DUCT(S) SHALL BE CAPPED TO PREVENT VAPORS FROM VENTING TO THE ATMOSPHERE. VAPORS SHALL NOT BE EXTRACTED FROM THE SOIL, UNLESS VENTED TO THE VAPOR CONTROL SYSTEM, WITH NO DETECTABLE LEAK BETWEEN THE OUTLET OF THE BLOWER AND THE OUTLET OF THE VAPOR CONTROL SYSTEM.

4) IDENTIFICATION TAG(S) OR NAME PLATE(S) SHALL BE DISPLAYED ON THE EQUIPMENT TO SHOW MANUFACTURER MODEL NO. AND SERIAL NO. THE TAG(S) OR PLATE(S) SHALL BE ISSUED BY THE MANUFACTURER AND SHALL BE ADHERED TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS POSITION.

FILE COPY

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

5) CURRENT CONTACT PERSON NAME, COMPANY AND PHONE NUMBER SHALL BE DISPLAYED IN A PERMANENT AND CONSPICUOUS POSITION.

6) A FLOW INDICATOR SHALL BE INSTALLED AND MAINTAINED AT ALL INLET STREAMS TO THE VAPOR CONTROL SYSTEM TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM). THE TOTAL FLOW RATE SHALL NOT EXCEED 150 CFM. IN CASE A DIFFERENTIAL PRESSURE DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE (IN CFM) CORRESPONDING TO THE DIFFERENTIAL PRESSURE READING.

7) THE VOLATILE ORGANIC COMPOUND (VOC) CONCENTRATION SHALL BE MONITORED BY USING A PHOTO IONIZATION DETECTOR OR DISTRICT APPROVED ORGANIC ANALYZER CALIBRATED IN PARTS PER MILLION BY VOLUME (PPMV) OF HEXANE. THE VOC CONCENTRATION SHALL BE MEASURED AT THE OUTLETS OF THE PRIMARY, SECONDARY, AND TERTIARY CARBON ADSORBERS AT LEAST ONCE EVERY OPERATING DAY FOR THE FIRST TWO WEEKS AND WEEKLY THEREAFTER.

8) VOC CONCENTRATION MEASURED AT THE OUTLET OF THE TERTIARY ADSORBER SHALL NOT EXCEED 2 PPMV.

9) WHENEVER THE VOC CONCENTRATION AT THE OUTLET OF THE SECONDARY ADSORBER EXCEEDS 2 PPMV, THIS EQUIPMENT SHALL BE SHUT DOWN AND REMAIN OFF UNTIL THE ADSORBERS ARE REPLACED AS FOLLOWS:

   A. PRIMARY ADSORBER SHALL BE REPLACED WITH EITHER FRESH ADSORBENT OR ADSORBENT FROM THE SECONDARY OR TERTIARY ADSORBER, AND

   B. SECONDARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT OR ADSORBENT FROM THE TERTIARY ADSORBER, AND

   C. TERTIARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT.

10) SPENT CARBON ADSORBER REMOVED FROM THE SYSTEM SHALL BE STORED IN A CLOSED CONTAINER PRIOR TO DISPOSAL.

11) RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS NUMBER 4 THROUGH 10. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

FILE COPY

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/tt01
1/09/2001

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO CONSTRUCT/OPERATE

Permit No.
F36256
A/N 376918

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

LEGAL OWNER
OR OPERATOR: GE ENGINE SERVICES
1923 E AVION ST
ONTARIO, CA 91761-7766

ID 061160

Equipment Location: 2264 AVION DR, ONTARIO, CA 91761

Equipment Description:

SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM, FOR JET FUEL AREA, CONSISTING OF:

1. VAPOR EXTRACTION WELLS AND DUCTS

2. WATER KNOCKOUT POT

3. EXTRACTION BLOWER, MAXIMUM FLOW RATE 150 SCFM

4. THREE CARBON ADSORBERS, WITH 1,000 LBS ACTIVATED CARBON EACH, CANISTER-TYPE, IN SERIES

Conditions:

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3) UPON COMPLETION, ANY VAPOR EXTRACTION WELL(S) AND DUCT(S) SHALL BE CAPPED TO PREVENT VAPORS FROM VENTING TO THE ATMOSPHERE. VAPORS SHALL NOT BE EXTRACTED FROM THE SOIL, UNLESS VENTED TO THE VAPOR CONTROL SYSTEM, WITH NO DETECTABLE LEAK BETWEEN THE OUTLET OF THE BLOWER AND THE OUTLET OF THE VAPOR CONTROL SYSTEM.

4) IDENTIFICATION TAG(S) OR NAME PLATE(S) SHALL BE DISPLAYED ON THE EQUIPMENT TO SHOW MANUFACTURER MODEL NO. AND SERIAL NO. THE TAG(S) OR PLATE(S) SHALL BE ISSUED BY THE MANUFACTURER AND SHALL BE ADHERED TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS POSITION.

FILE COPY

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

5) CURRENT CONTACT PERSON NAME, COMPANY AND PHONE NUMBER SHALL BE DISPLAYED IN A PERMANENT AND CONSPICUOUS POSITION.

6) A FLOW INDICATOR SHALL BE INSTALLED AND MAINTAINED AT ALL INLET STREAMS TO THE VAPOR CONTROL SYSTEM TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM). THE TOTAL FLOW RATE SHALL NOT EXCEED 150 CFM. IN CASE A DIFFERENTIAL PRESSURE DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE (IN CFM) CORRESPONDING TO THE DIFFERENTIAL PRESSURE READING.

7) THE VOLATILE ORGANIC COMPOUND (VOC) CONCENTRATION SHALL BE MONITORED BY USING A PHOTO IONIZATION DETECTOR OR DISTRICT APPROVED ORGANIC ANALYZER CALIBRATED IN PARTS PER MILLION BY VOLUME (PPMV) OF HEXANE. THE VOC CONCENTRATION SHALL BE MEASURED AT THE OUTLETS OF THE PRIMARY, SECONDARY, AND TERTIARY CARBON ADSORBERS AT LEAST ONCE EVERY OPERATING DAY FOR THE FIRST TWO WEEKS AND WEEKLY THEREAFTER.

8) VOC CONCENTRATION MEASURED AT THE OUTLET OF THE TERTIARY ADSORBER SHALL NOT EXCEED 2 PPMV.

9) WHENEVER THE VOC CONCENTRATION AT THE OUTLET OF THE SECONDARY ADSORBER EXCEEDS 2 PPMV, THIS EQUIPMENT SHALL BE SHUT DOWN AND REMAIN OFF UNTIL THE ADSORBERS ARE REPLACED AS FOLLOWS:

   A. PRIMARY ADSORBER SHALL BE REPLACED WITH EITHER FRESH ADSORBENT OR ADSORBENT FROM THE SECONDARY OR TERTIARY ADSORBER, AND

   B. SECONDARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT OR ADSORBENT FROM THE TERTIARY ADSORBER, AND

   C. TERTIARY ADSORBER SHALL BE REPLACED WITH FRESH ADSORBENT.

10) SPENT CARBON ADSORBER REMOVED FROM THE SYSTEM SHALL BE STORED IN A CLOSED CONTAINER PRIOR TO DISPOSAL.

11) RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS NUMBER 4 THROUGH 10. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST.

NOTICE

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FILE COPY

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/tt01
1/09/2001

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D48559
A/N 233471
Page 1

This initial permit must be renewed by 11/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: GENERAL ELECTRIC COMPANY
1923 E. AVION STREET
ONTARIO, CALIFORNIA 91761
ATTN: D. W. LU

ID 11726

Equipment located at: SAME AS ABOVE

Equipment Description:

STRIP TANK, COLD, NITRIC ACID, 3.3' W. X 2.5' L. X 2.5' DEEP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

NOTICE

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EXECUTIVE OFFICER

Dorris M. Bailey

By DORRIS M. BAILEY/ps
Principal Office Assistant
February 18, 1992

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D69216
A/N 255988
Page 1

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator:

ID 061160

GENERAL ELECTRIC COMPANY
ATTN: D. LU
1923 E AVION STREET
ONTARIO, CA 91761-7766

Equipment Location: 2264 AVION DR, ONTARIO, CA 91761

Equipment Description:

INDUSTRIAL OIL/WATER SEPARATION SYSTEM, 5,000 GALLONS PER DAY AVERAGE, 10,000 GPD. MAX. CONSISTING OF:

1. COALESCING OIL/WATER SEPARATOR, MODEL NO. SRC-100 BY GREAT LAKES ENVIRONMENTAL INC., WITH TWO DIAPHRAGM PUMPS IN THE WET WELL, A SAMPLE BOX, TWO DIAPHRAGM PUMPS, AND A 3,000 GALLON SURGE TANK.
2. A WASTE OIL TANK (ALREADY PERMITTED).

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

FILE COPY

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

NOTICE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/nj
2/03/1993

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
G7893
A/N 508796

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator:

ATLANTIC AVIATION SERVICES
2161 E. AVION STREET
ONTARIO, CA 91761

ID 162691

Equipment Location: 2161 E. AVION STREET, ONTARIO, CA 91761

Equipment Description:

JET A/AVIATION GASOLINE/GASOLINE BULK LOADING/UNLOADING FACILITY, CONSISTING OF:

1) 2 – JET A UNDERGROUND STORAGE TANKS, EACH 25,000 GALLON CAPACITY, NOT EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.

2) 1 – JET A UNDERGROUND STORAGE TANK, 15,000 GALLON CAPACITY, NOT EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.

3) 1 – AVIATION GASOLINE UNDERGROUND STORAGE TANK, 15,000 GALLON CAPACITY, EQUIPPED WITH A PRESSURE/VACUUM RELIEF VALVE, AND A SUBMERGED FILL TUBE.

4) 1 – GASOLINE UNDERGROUND STORAGE TANK, 6,000 GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM OPW (VR-102-D/K), 1 METHANOL COMPATIBLE.

5) 1 – WASTE GASOLINE UNDERGROUND STORAGE TANK, 2,000 GALLON CAPACITY, NOT EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.

6) 1 – THREE POSITION TANK TRUCK JET A/AVIATION GASOLINE/GASOLINE LOADING SYSTEM, CONSISTING OF:

   A) ONE 2.5" DIA. X 12' L. JET A HOSE WITH A DRY BREAK COUPLER FOR BOTTOM LOADING.

   B) ONE 2.5" DIA. X 12' L. AVIATION GASOLINE HOSE WITH A DRY BREAK CONNECT COUPLER FOR BOTTOM LOADING.

   C) ONE 2" DIA. X 12' L. AVIATION GASOLINE VAPOR RECOVERY HOSE WITH A CAMLOCK QUICK CONNECT COUPLER.

   D) ONE 2.5" DIA. X 12' L. GASOLINE HOSE WITH A DRY BREAK CONNECT COUPLER FOR BOTTOM LOADING.

   E) ONE 2" DIA. X 12' L. GASOLINE VAPOR RECOVERY HOSE WITH A CAMLOCK QUICK CONNECT COUPLER.

FILE COPY

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. EXCEPT FOR JET A FUEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. ALL PHASE I VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

5. A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED ON THE AVIATION GASOLINE AND GASOLINE STORAGE TANKS TO DEMONSTRATE THAT THE STORAGE TANKS AND ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

6. THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY OF THE ABOVE MENTIONED TESTING REQUIREMENTS. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.

7. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.

8. THIS EQUIPMENT SHALL BE OPERATED FOR BOTTOM LOADING ONLY DURING THE TRANSFER OF AVIATION GASOLINE OR GASOLINE FUEL FROM THE UNDERGROUND STORAGE TANK INTO ANY TANK TRUCK. ALL VAPOR RETURN LINES SHALL BE CONNECTED BETWEEN THE ABOVEGROUND GASOLINE STORAGE TANK AND TANK TRUCK.

9. THE TRANSFER EQUIPMENT SHALL BE OPERATED AND MAINTAINED SO THAT THERE ARE NO OVERFILLS, FACILITY VAPOR LEAKS, LIQUID LEAKS, OR LIQUID LEAKS FROM DISCONNECT OPERATIONS.

10. THIS EQUIPMENT SHALL BE OPERATED SO THAT THE BACKPRESSURE IN THE VAPOR RECOVERY SYSTEM DOES NOT EXCEED 18 INCHES OF WATER COLUMN PRESSURE.

11. THIS CLASS "B" LOADING FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED IN ACCORDANCE WITH DISTRICT RULE 462.

CONTINUATION OF PERMIT TO OPERATE

12. THE BULK PLANT VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD (CARB) AS REQUIRED IN DISTRICT RULE 462. THE COPY OF THE CARB BULK PLANT VAPOR RECOVERY CERTIFICATION TEST RESULTS SHALL BE RETAINED ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

13. RECORDS OF DAILY AND MONTHLY GASOLINE FUEL DISPENSED SHALL BE PREPARED AND MAINTAINED TO DETERMINE CLASSIFICATION OF THIS FACILITY IN ACCORDANCE WITH DISTRICT RULE 462.

14. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY DISTRICT RULES 461 AND 462 SHALL BE KEPT ON SITE FOR FOUR (4) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

15. THE MAXIMUM QUANTITY OF JET A FUEL DISPENSED FROM THE STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 100,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 1,200,000 GALLONS IN ANY ONE CALENDAR YEAR.

16. THE MAXIMUM QUANTITY OF AVIATION GASOLINE DISPENSED FROM THE STORAGE TANK AT THIS FACILITY SHALL NOT EXCEED 5,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 60,000 GALLONS IN ANY ONE CALENDAR YEAR.

17. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANK AT THIS FACILITY SHALL NOT EXCEED 5,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 60,000 GALLONS IN ANY ONE CALENDAR YEAR.

18. RECORDS OF MONTHLY AND ANNUAL FUEL DISPENSED SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR TWO YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/jm04
03/31/2010

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
N25540
A/N 508858

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner
or Operator:

ATLANTIC AVIATION SERVICES
2161 E. AVION STREET
ONTARIO, CA 91761

ID 162691

Equipment Location: 2161 E. AVION STREET, ONTARIO, CA 91761

Equipment Description:

CARGO TANK MOTOR VEHICLE FUELING SYSTEM (MOBILE FUELER), CONSISTING OF:

1) DUAL COMPARTMENT GASOLINE/DIESEL DISPENSING MOBILE FUELER, UNIT NO. 64339, FRANZEN-HILL HILL-VAC (G-70-193)/CARB ADVISORY LETTER #07-07, CYLINDRICAL, 12'- 0" L. X 8'- 0" W. X 2' - 4" H., 2,000 GALLON CAPACITY, POLYURETHANE INSULATION, WITH A WHITE SHELL, EQUIPPED WITH A PRESSURE/VACUUM RELIEF VALVE, AND TWO HEALY 100 JET PUMPS, CONSISTING OF:

   A) ONE 1,000 GALLON GASOLINE COMPARTMENT, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.

   B) ONE 1,000 GALLON DIESEL COMPARTMENT, NOT EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.

2) I – GASOLINE DISPENSING NOZZLE WITH A 50'- 0" COAXIAL HOSE ON A RETRACTABLE HOSE REEL, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, HEALY MODEL 400 ORVR.

Conditions:

I. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. EXCEPT FOR DIESEL TRANSFERS, THE PHASE I VAPOR RECOVERY SYSTEM SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO THE MOBILE FUELER.

4. EXCEPT FOR DIESEL TRANSFERS, THE PHASE II VAPOR RECOVERY SYSTEM, INCLUDING ALL ASSOCIATED ABOVE GROUND PLUMBING HARDWARE, SHALL BE INSTALLED, OPERATED, AND MAINTAINED AS CERTIFIED IN ACCORDANCE WITH CARB EXECUTIVE ORDER G-70-193 WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

FILE COPY

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT FOR THIS MOBILE FUELER SHALL BE OPERATED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED MAINTENANCE INTERVALS; AND SHALL USE THE MANUFACTURER'S RECOMMENDED INSTALLATION, OPERATION, AND MAINTENANCE PROCEDURES. THE MANUFACTURER'S MANUALS SHALL BE READILY ACCESSIBLE ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

6. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT A PHYSICAL INSPECTION OF THE EQUIPMENT AND MANUALLY MONITOR THE SYSTEM GAUGE LEVELS DURING GASOLINE DISPENSING ON A DAILY OPERATING BASIS PER SITE. THE EQUIPMENT SHALL OPERATE WITHIN THE FOLLOWING GAUGE LEVELS:

A)	VAPOR RETURN LINE VACUUM:	35" TO 65" WC
B)	GASOLINE SUPPLY PRESSURE:	27 PSIG TO 35 PSIG
C)	CARGO TANK PRESSURE:	LESS THAN 18" WC

ALL PHYSICAL INSPECTIONS AND GAUGE OBSERVATIONS SHALL BE RECORDED IN A SYSTEMS LOG AND BE KEPT ON BOARD THE MOBILE FUELER AT ALL TIMES.

7. IF A VIOLATION OF THE GAUGE RANGES SPECIFIED IN CONDITIONS 6A, 6B, OR 6C OCCURS, THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL:

A) RECORD THE DATE, TIME PERIOD, AND FUEL TOTALIZING METER READING WHEN THE SYSTEM FIRST BEGAN TO FAIL TO OPERATE WITHIN THE SPECIFIED RANGE.

B) RECORD THE DATE AND TIME THAT CONTACT WAS MADE WITH AN AUTHORIZED REPRESENTATIVE TO HAVE THE SYSTEM INSPECTED AND REPAIRED.

C) RECORD THE DATE AND TIME THAT THE AUTHORIZED REPRESENTATIVE INSPECTED THE SYSTEM, PROVIDE A WRITTEN DESCRIPTION OF THE REPAIRS PERFORMED, AND RECORD THE FUEL TOTALIZING METER READING.

8. THIS EQUIPMENT SHALL CEASE ALL GASOLINE DISPENSING OPERATIONS WHEN ANY ONE OF THE FOLLOWING CONDITIONS OCCUR:

A) ONE OF THE JET PUMPS IS DISABLED;

B) FAILING TO ACHIEVE THE MINIMUM OPERATING VACUUM OF 35" WC WITHIN FIVE SECONDS AFTER THE SYSTEM HAS BEEN ACTIVATED FOR THREE CONSECUTIVE DISPENSING EPISODES;

C) A VACUUM LEVEL BELOW 15" WC FOR MORE THAN THREE SECONDS AFTER THE SYSTEM HAS REACHED 35" WC;

D) A VACUUM LEVEL ABOVE 85" WC DURING A DISPENSING EPISODE TO NON-ORVR VEHICLES;

E) EXCEPT DURING TESTING OPERATIONS, A CLOSED VALVE AT THE VAPOR RETURN LINE CONNECTION TO EACH JET PUMP.

CONTINUATION OF PERMIT TO OPERATE

F) A PRESSURE IN THE CARGO TANK HEADSPACE EXCEEDING 18" WC FOR MORE THAN FIVE MINUTES (ACCUMULATED) DURING ANY SIXTY MINUTE GASOLINE DISPENSING PERIOD;

G) EXCEPT DURING REPAIR OPERATIONS, AN OPEN DRAIN VALVE IN THE LIQUID DROP OUT POT;

H) EXCEPT DURING TESTING OPERATIONS, A CLOSED DRAIN VALVE AT THE LIQUID DROP OUT POT IN THE LIQUID REMOVAL LINE;

I) ANY OBSERVATION OF BREAKS, CRACKS, OR HOLES IN THE INSULATION, WHICH AFFECTS THE INSULATING PROPERTIES OR DURABILITY OF THE INSULATION;

J) THE ACCUMULATED LENGTH OF ALL TEARS OF THE NOZZLE BOOT (INCLUDING RIPS, SLITS, CRACKS, ETC.) EXCEEDS 0.5" IN LENGTH; OR

K) THE FACEPLATE AND FILL PIPE INTERFACE CANNOT ACHIEVE A SEAL OF AT LEAST 25% OF THE ACCUMULATED CIRCUMFERENCE OF THE FACEPLATE.

9. AT LEAST ONCE EVERY TWELVE MONTHS FROM THE PREVIOUS TEST, A VAPOR RETURN LINE VACUUM INTEGRITY TEST SHALL BE CONDUCTED AND PASS IN ACCORDANCE WITH EXHIBIT 3 OF CARB EXECUTIVE ORDER G-70-193. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

10. AT LEAST ONCE EVERY TWELVE MONTHS FROM THE PREVIOUS TEST, A FILL PIPE PRESSURE REGULATION FUELING TEST SHALL BE CONDUCTED AND PASS IN ACCORDANCE WITH EXHIBIT 4 OF CARB EXECUTIVE ORDER G-70-193. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

11. AT LEAST ONCE EVERY TWELVE MONTHS FROM THE PREVIOUS TEST, A TEN GALLON PER MINUTE LIMITATION TEST SHALL BE CONDUCTED AND PASS IN ACCORDANCE WITH EXHIBIT 5 OF CARB EXECUTIVE ORDER G-70-193. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

12. THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY OF THE ABOVE MENTIONED TESTING REQUIREMENTS. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.

13. THE INDIVIDUAL AND COMPANY PERFORMING ANY MAINTENANCE ON ANY PART OF THE VAPOR RECOVERY SYSTEM SHALL PROVIDE AT A MINIMUM FOR THE OWNER OR OPERATOR OF THE MOBILE FUELER, A CHRONOLOGICAL RECORD CONSISTING OF THE FOLLOWING INFORMATION FOR THE MOBILE FUELER'S MAINTENANCE LOG. THE DATE OF SERVICE, NAME OF MAINTENANCE TECHNICIAN, A CONTACT PHONE NUMBER, A DESCRIPTION OF AND LOCATION OF ANY EQUIPMENT REPLACED INCLUDING APPROPRIATE TEST RESULTS, AND A DESCRIPTION OF THE SYSTEM PROBLEMS REPAIRED.

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

14. A CURRENT CARB CERTIFICATION DECAL SHALL BE DISPLAYED ON THE MOBILE FUELER IN A MANNER APPROVED BY THE EXECUTIVE OFFICER.

15. ALL DAILY INSPECTION RECORDS SHALL BE COMPLETED IMMEDIATELY AFTER THE DAILY INSPECTION.

16. EXCEPT FOR NECESSARY INSPECTIONS DUE TO EQUIPMENT FAILURES, AND FOR SCHEDULED MAINTENANCE AND REPAIRS; THE MOBILE FUELER DOME HATCH SHALL REMAIN CLOSED AND LATCHED AT ALL TIMES. FURTHERMORE, THE MOBILE FUELER DOME HATCH SHALL REMAIN CLOSED AND LATCHED UNTIL THE HEAD SPACE PRESSURE IS LESS THAN 2" WC.

17. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THIS MOBILE FUELER SHALL NOT EXCEED 5,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 60,000 GALLONS IN ANY ONE CALENDAR YEAR.

18. ALL PHYSICAL INSPECTION AND GAUGE OBSERVATION RECORDS AS REQUIRED BY PERMIT CONDITIONS 6 AND 7; ALL TEST RESULTS AS REQUIRED BY PERMIT CONDITIONS 9, 10, AND 11; ALL MAINTENANCE RECORDS AS REQUIRED BY PERMIT CONDITION 13; AND ALL MONTHLY AND ANNUAL GASOLINE DISPENSED RECORDS AS REQUIRED BY PERMIT CONDITION 17; SHALL BE PREPARED, SHALL BE RETAINED FOR TWO YEARS, AND SHALL BE KEPT WITHIN THE MOBILE FUELER AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/jm04
03/31/2010

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D89893
A/N 283092
Page 1

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: GENERAL ELECTRIC CO
1923 E AVION DR
ONTARIO, CA 91761-7766

ID 011726

Equipment Location: 1923 E AVION DR, ONTARIO, CA 91761-7766

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. MIST COLLECTOR, AMERICAN AIR FILTER, DYNAPURE MODEL AS-1000.
2. AFTERFILTER, AMERICAN AIR FILTER, ASTROCEL HEPA FINAL FILTER.
3. EXHAUST SYSTEM WITH A 5-HP. BLOWER VENTING THE ELECTROCHEMICAL GRINDER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THE SYSTEM SHALL BE IN FULL USE WHENEVER THE ELECTROCHEMICAL GRINDER VENTED TO IT IS IN OPERATION.
4. A MECHANICAL GAUGE SHALL BE INSTALLED AND MAINTAINED SO AS TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE PREFILTERS AND HEPA FILTER. THE SCALE SHALL NOT EXCEED FOUR TIMES THE LIMIT SPECIFIED IN CONDITION NO. 5.
5. THE TOTAL STATIC PRESSURE DIFFERENTIAL ACROSS THE PREFILTER AND HEPA FILTER SHALL NOT EXCEED 5.0 INCHES OF WATER DURING OPERATION.
6. PARTICULATE MATTER COLLECTED IN THE AIR POLLUTION CONTROL SYSTEM SHALL BE DISCHARGED ONLY INTO CLOSED CONTAINERS.

FILE COPY

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

NOTICE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/ak
4/17/1995

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D89894
A/N 283093
~~Page 1~~

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator:

GENERAL ELECTRIC CO
1923 E AVION DR
ONTARIO, CA 91761-7766

ID 011726

Equipment Location: 1923 E AVION DR, ONTARIO, CA 91761-7766

Equipment Description:

ELECTROCHEMICAL GRINDER, AMCHEM COMPANY LTD.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS SYSTEM SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

4. THE MAXIMUM NUMBER OF STATOR VANE ASSEMBLIES PROCESSED IS LIMITED TO 25 IN ANY ONE DAY.

5. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NO. 4. THE RECORDS SHALL BE KEPT IN A FORMAT APPROVED IN WRITING BY THE DISTRICT. THE RECORDS SHALL BE RETAINED FOR AT LEAST TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D89894
A/N 283093
~~Page 2~~

CONTINUATION OF PERMIT TO OPERATE

NOTICE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/ak
4/17/1995

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D37238
A/N 23444
Page 1

This initial permit shall be renewed by 11/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator:

GENERAL ELECTRIC COMPANY
1923 E. AVION AVENUE
ONTARIO, CALIFORNIA 91761
ATTN: DAVID LU

ID 11726

Equipment located at: SAME AS ABOVE

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. SPRAY BOOTH, METALLIZING SPRAY, TANK MODEL, FLOOR STYLE, 12' -0" W. x 14' -0" L. x 9' -0" H., WATER-WASH TYPE, WITH A 5-HP WATER PUMP, AND A 7 1/2-HP EXHAUST FAN.

2. CYCLONE SEPERATOR, TORIT, 3' -0" DIA. x 14' -9" H.

3. DUST COLLECTOR, TORIT, CARTRIDGE TYPE, MODEL 4DF80, 7' -2" W. x 4' -10" L. x 13' -6" H., WITH 80 ULTRA-WEB FILTERS, EACH 1' -1" DIA. x 2' -2" L., PULSE JET CLEANED.

4. DUST COLLECTOR, DONALDSON, HIGH EFFICIENCY PARTICULATE AIR FILTER, 4' -3" W. x 2' -5" L. x 1' -11" H., WITH 2 HEPA FILTERS, EACH 2' -0" W. x 2' -0" L. x 1' -0" H.

5. EXHAUST SYSTEM WITH A 75-H.P. BLOWER VENTING A METALLIZING SPRAY GUN

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. NON-TOXIC MATERIALS SHALL NOT BE SPRAYED BY THE METALLIZING SPRAY GUN UNLESS THE WATER-WASH UNIT IS IN FULL OPERATION WITH THE WATER-CURTAIN COMPLETELY COVERING THE EXHAUST.

4. MATERIALS CONTAINING CHROMIUM SHALL NOT BE SPRAYED BY THE METALLIZING SPRAY GUN UNLESS IT IS VENTED ONLY TO THE AIR POLLUTION CONTROL SYSTEM WHICH CONSISTS OF THE CYCLONE SEPERATOR, CARTRIDGE TYPE DUST COLLECTOR, AND HEPA FILTERS, WHICH IS IN FULL USE, AND WHICH HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.

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CONTINUATION OF PERMIT TO OPERATE

5. THE TOTAL AMOUNT OF CHROMIUM AND CHROMIUM COMPOUNDS CHARGED TO THE METALLIZING SPRAY GUN, EXPRESSED AS ELEMENTAL CHROMIUM, SHALL NOT EXCEED 484 POUNDS IN ANY ONE YEAR.

6. THE PRESSURE DIFFERENTIAL ACROSS THE HEPA FILTER DUST COLLECTOR SHALL NOT EXCEED 2.0 INCHES OF WATER COLUMN.

7. AN INTERLOCK CONTROL SHALL BE INSTALLED AND MAINTAINED TO PREVENT THE OPERATION OF THE METALLIZING SPRAY GUN WHEN THE PRESSURE DIFFERENTIAL ACROSS THE HEP[A FILTER DUST COLLECTOR EXCEEDS 2.0 INCHES OF WATER COLUMN

8. MECHANICAL GAUGES SHALL BE MAINTAINED SO AS TO INDICATE, IN INCHES WATER COLUMN, THE STATIC PRESSURE DIFFERENTIALS ACROSS THE CARTRIDGE-TYPE DUST COLLECTOR AND ACROSS THE HEPA FILTER DUST COLLECTOR.

9. DUSTS COLLECTED IN THE CYCLONE SEPERATOR AND IN THE CARTRIDGE-TYPE DUST COLLECTOR SHALL BE DISCHARGED ONLY INTO CLOSED CONTAINERS.

10. A DAILY LOG INDICATING THE FOLLOWING INFORMATION SHALL BE KEPT. THIS LOG SHALL BE MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST:

    A. THE TOTAL AMOUNT OF EACH MATERIAL SPRAYED BY THE METALLIZING SPRAY GUN, IN POUNDS PER DAY.

    B. THE CHROMIUM CONTENT IN EACH MATERIAL SPRAYED, IN PERCENT BY WEIGHT.

    C. THE TOTAL AMOUNT OF CHROMIUM IN THE MATERIALS SPRAYED, EXPRESSED AS ELEMENTAL CHROMIUM, IN POUNDS PER DAY AND THE ACCUMULATED SPRAYED DURING THE PRECEDING 365 CALENDAR DAYS.

CONTINUATION OF PERMIT TO OPERATE

NOTICE

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EXECUTIVE OFFICER

By Raquel Puerta/eb
April 2, 1991

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D37379
A/N 214093
Page 1

This initial permit must be renewed by 11/91 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.J) is not received by the expiration date, contact the District.

Legal Owner Or Operator: GENERAL ELECTRIC COMPANY
1923 E. AVION ST.
ONTARIO, CALIFORNIA 91761
ATTN: D. W. LU

ID 011726

Equipment located at: SAME AS ABOVE

Equipment Description:

DEGREASER, CUSTOM BUILT, COLD SOLVENT TYPE, 3'-0" W. X 3'-0" L. (INSIDE DIMENSIONS) X 4'-0" H. (OUTSIDE DIMENSION), WITH 2'-3" FREEBOARD HEIGHT.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THE TOTAL QUANTITY OF SOLVENT LOSS FROM THIS EQUIPMENT (NOT INCLUDING SALVAGED SOLVENT) SHALL NOT EXCEED 0.33 GALLONS PER DAY.

4. ONLY STODDARD (BRAYCO 922) MAY BE USED AS THE CLEANING SOLVENT IN THIS EQUIPMENT.

5. ORGANIC SOLVENTS USED IN THIS EQUIPMENT SHALL BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.

6. THE OPERATORS SHALL MAINTAIN RECORDS TO PROVE COMPLIANCE WITH CONDITIONS 1 AND 2. PURSUANT TO RULE 109.

7. THE DEGREASER AND OPERATOR SHALL COMPLY WITH THE APPLICABLE EQUIPMENT AND OPERATING REQUIREMENTS OF SECTORS B AND C OF RULE 1122 BECAUSE OF BEST AVAILABLE TECHNOLOGY REQUIREMENTS.

FILE COPY

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

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EXECUTIVE OFFICER

By Raquel Puerta/mb
April 9, 1991

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO CONSTRUCT/OPERATE

Permit No.
N17241
A/N 442584

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator : FEDERAL EXPRESS CORP
1100 LAKE COOKRD
BUFFALO GROVE, IL 60089

ID 58000

Equipment Location: 1801 AVION ONTARIO, CA 91761-8003

Equipment Description:

Fuel Storage and Dispensing Facility Consisting of:

1) 1 - GASOLINE UNDERGROUND STORAGE TANK, 10,000 GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM OPW (VR-102-E), NOT METHANOL COMPATIBLE.

2) 2 - GASOLINE NOZZLES DISPENSING 2 PRODUCTS, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR (G-70-52-AM).

Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. ALL PERMIT CONDITIONS APPLICABLE TO THE EQUIPMENT DESCRIBED IN THE PREVIOUS PERMIT TO OPERATE M89141 SHALL REMAIN IN EFFECT UNTIL THE NEW OR MODIFIED EQUIPMENT IS CONSTRUCTED AND OPERATED AS DESCRIBED IN THIS NEW PERMIT. THIS PERMIT TO CONSTRUCT/OPERATE SHALL BECOME INVALID IF THE MODIFICATION AS DESCRIBED IN THE EQUIPMENT DESCRIPTION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE.

4. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

5. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

FILE COPY

6. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

7. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND STORAGE TANK OR PIPING, THE SCAQMD SHALL BE NOTIFIED BY E-MAIL AT R461BACKFILL@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACK-FILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.

8. DEPENDING ON THE SYSTEM CONFIGURATION, A PRESSURE INTEGRITY TEST OF THE DROP TUBE/DRAIN VALVE ASSEMBLY SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF BOTH THE DROP TUBE AND DRAIN VALVE SEAL OR A PRESSURE INTEGRITY TEST OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND SPILL CONTAINER DRAIN VALVE SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND THE PRESSURE INTEGRITY OF THE SPILL CONTAINER DRAIN VALVE. EITHER TEST SHALL BE CONDUCTED AS A REVERIFICATION TEST AND THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH TEST PROCEDURE METHOD TP-201.1C OR TP-201.1D, RESPECTIVELY. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

   THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF EITHER THE PRESSURE INTEGRITY TEST OF DROP TUBE/DRAIN VALVE ASSEMBLY OR PRESSURE INTEGRITY TEST OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND SPILL CONTAINER DRAIN VALVE.

9. A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN THIRTY DAYS (30) AFTER THE START OF OPERATION OF THE OPW PHASE I EVR EQUIPMENT AND AT LEAST ONCE EVERY THREE (3) YEARS THEREAFTER TO DETERMINE THE PRESSURE AND VACUUM AT WHICH THE PRESSURE/VACUUM VENT VALVE ACTUATES, AND TO DETERMINE THE VOLUMETRIC LEAK RATE AT A GIVEN PRESSURE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD TP-201.1E. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST. THIS TEST RESULT SHALL BE KEPT ON SITE FOR THREE (3) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

   THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES.

FILE COPY

10. A STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS SHALL BE CONDUCTED AS A REVERIFICATION TEST TO QUANTIFY THE AMOUNT OF STATIC TORQUE REQUIRED TO START THE ROTATION OF THE ROTATABLE PHASE I ADAPTORS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN TP-201.1B. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

    THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS.

11. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES (CFH)	DYNAMIC BACK PRESSURE (INCHES OF WATER)
60	0.35
80	0.62

    DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4, METHODOLOGY 1. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.

    THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE DYNAMIC BACK PRESSURE TESTS.

12. A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

    THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE STATIC PRESSURE LEAK DECAY TEST.

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

13. IF THE CARB EXECUTIVE ORDER REQUIRES THE INSTALLATION OF A LIQUID REMOVAL DEVICE, A LIQUID REMOVAL RATE TEST SHALL BE CONDUCTED TO DEMONSTRATE THE REMOVAL OF GASOLINE FROM THE VAPOR PASSAGE OF THE COAXIAL HOSE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

    THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE LIQUID REMOVAL RATE TEST.

14. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.

15. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE FOR FOUR YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DEVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VOILATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M.Bailey/JM04
05/31/2005

FILE COPY

SOUTHERN CALIFORNIA
AIR POLLUTION CONTRC ISTRICT
SAN BERNARDINO ZONE

PERMIT 1433

A PERMIT IS HEREBY GRANTED TO: GENERAL ELECTRIC COMPANY
Los Angeles Aircraft Service Shop

FOR EQUIPMENT LOCATED AT: Ontario International Airport

Test Cell for High Bypass Ratio Turbofan
Engines (General Electric CF6)

Operated on turbine fuel A

300,000,000 BTU/hr

2-J

CONDITIONS: The permittee may be required to provide adequate sampling and testing facilities. Equipment modification requires a new permit.

REVOCABLE
This permit does not authorize the emission of air contaminants in excess of those allowed by Division 20, Chapter 2, Article 3, of the Health and Safety Code of the State of California or the Rules and Regulations of the Air Pollution Control District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies.

VOID UNLESS VALIDATED

Fee: $ 1500.00

DONALD M. THOMAS, P. E.
Air Pollution Control Officer

By: _____ Engineer

For Period: 6/16/75 to 6/15/77

04-2056-923 — Rev. 8/75

10556 B

6:13-1

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive Diamond Bar, CA 91765

Permit No.
N8470
A/N 360309

PERMIT TO OPERATE

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 114338

LEGAL OWNER
OR OPERATOR: MERCURY AIR GRP, MERCURY AIR CENTER, DBA
2161 E AVION ST
ONTARIO, CA 91761-7770

Equipment Location: 2161 E AVION ST, ONTARIO, CA 91761-7770

Equipment Description:

CARGO TANK MOTOR VEHICLE FUELING SYSTEM (MOBILE FUELER), CONSISTING OF:

1) DUAL COMPARTMENT GASOLINE/DIESEL DISPENSING MOBILE FUELER, VEHICLE NO. S-2, FRANZEN-HILL HILL-VAC (G-70-193), CYLINDRICAL, 10'- 0" L. X 3'- 7" W. X 5'-11" H., 1,200-GALLON CAPACITY, POLYURETHANE INSULATION, WITH A WHITE SHELL, EQUIPPED WITH A PRESSURE/VACUUM RELIEF VALVE, AND TWO HEALY 100 JET PUMPS, CONSISTING OF:

   A) ONE 700-GALLON COMPARTMENT GASOLINE TANK, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.

   B) ONE 500-GALLON COMPARTMENT DIESEL TANK, NOT EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.

2) 1 – GASOLINE DISPENSING NOZZLE WITH A 75'- 0" COAXIAL HOSE ON A RETRACTABLE HOSE REEL, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, HEALY MODEL 400 ORVR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEM SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO THE MOBILE FUELER.

4. EXCEPT FOR DIESEL TRANSFERS, THE PHASE II VAPOR RECOVERY SYSTEM, INCLUDING ALL ASSOCIATED ABOVE GROUND PLUMBING HARDWARE, SHALL BE INSTALLED, OPERATED, AND MAINTAINED AS CERTIFIED IN ACCORDANCE WITH CARB EXECUTIVE ORDER G-70-193 WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

FILE COPY

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT FOR THIS MOBILE FUELER SHALL BE OPERATED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED MAINTENANCE INTERVALS; AND SHALL USE THE MANUFACTURER'S RECOMMENDED INSTALLATION, OPERATION, AND MAINTENANCE PROCEDURES. THE MANUFACTURER'S MANUALS SHALL BE READILY ACCESSIBLE ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

6. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT A PHYSICAL INSPECTION OF THE EQUIPMENT AND MANUALLY MONITOR THE SYSTEM GAUGE LEVELS DURING GASOLINE DISPENSING ON A DAILY OPERATING BASIS PER SITE. THE EQUIPMENT SHALL OPERATE WITHIN THE FOLLOWING GAUGE LEVELS:

A)	VAPOR RETURN LINE VACUUM:	35" TO 65" WC
B)	GASOLINE SUPPLY PRESSURE:	27 PSIG TO 35 PSIG
C)	CARGO TANK PRESSURE:	LESS THAN 18" WC

ALL PHYSICAL INSPECTIONS AND GAUGE OBSERVATIONS SHALL BE RECORDED IN A SYSTEMS LOG AND BE KEPT ON BOARD THE MOBILE FUELER AT ALL TIMES.

7. IF A VIOLATION OF THE GAUGE RANGES SPECIFIED IN CONDITIONS 6A, 6B, OR 6C OCCURS, THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL:

A) RECORD THE DATE, TIME PERIOD, AND FUEL TOTALIZING METER READING WHEN THE SYSTEM FIRST BEGAN TO FAIL TO OPERATE WITHIN THE SPECIFIED RANGE.

B) RECORD THE DATE AND TIME THAT CONTACT WAS MADE WITH AN AUTHORIZED REPRESENTATIVE TO HAVE THE SYSTEM INSPECTED AND REPAIRED.

C) RECORD THE DATE AND TIME THAT THE AUTHORIZED REPRESENTATIVE INSPECTED THE SYSTEM, PROVIDE A WRITTEN DESCRIPTION OF THE REPAIRS PERFORMED, AND RECORD THE FUEL TOTALIZING METER READING.

8. THIS EQUIPMENT SHALL CEASE ALL GASOLINE DISPENSING OPERATIONS WHEN ANY ONE OF THE FOLLOWING CONDITIONS OCCUR:

A) ONE OF THE JET PUMPS IS DISABLED;

B) FAILING TO ACHIEVE THE MINIMUM OPERATING VACUUM OF 35" WC WITHIN FIVE SECONDS AFTER THE SYSTEM HAS BEEN ACTIVATED FOR THREE CONSECUTIVE DISPENSING EPISODES;

C) A VACUUM LEVEL BELOW 15" WC FOR MORE THAN THREE SECONDS AFTER THE SYSTEM HAS REACHED 35" WC;

D) A VACUUM LEVEL ABOVE 85" WC DURING A DISPENSING EPIDSODE TO NON-ORVR VEHICLES;

E) EXCEPT DURING TESTING OPERATIONS, A CLOSED VALVE AT THE VAPOR RETURN LINE CONNECTION TO EACH JET PUMP;

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

F) A PRESSURE IN THE CARGO TANK HEADSPACE EXCEEDING 18" WC FOR MORE THAN FIVE MINUTES (ACCUMULATED) DURING ANY SIXTY MINUTE GASOLINE DISPENSING PERIOD;

G) EXCEPT DURING REPAIR OPERATIONS, AN OPEN DRAIN VALVE IN THE LIQUID DROP OUT POT;

H) EXCEPT DURING TESTING OPERATIONS, A CLOSED DRAIN VALVE AT THE LIQUID DROP OUT POT IN THE LIQUID REMOVAL LINE;

I) ANY OBSERVATION OF BREAKS, CRACKS, OR HOLES IN THE INSULATION, WHICH AFFECTS THE INSULATING PROPERTIES OR DURABILITY OF THE INSULATION;

J) THE ACCUMULATED LENGTH OF ALL TEARS OF THE NOZZLE BOOT (INCLUDING RIPS, SLITS, CRACKS, ETC.) EXCEEDS 0.5" IN LENGTH; OR

K) THE FACEPLATE AND FILL PIPE INTERFACE CANNOT ACHIEVE A SEAL OF AT LEAST 25% OF THE ACCUMULATED CIRCUMFERENCE OF THE FACEPLATE.

9. AT LEAST ONCE EVERY TWELVE MONTHS FROM THE PREVIOUS TEST, A VAPOR RETURN LINE VACUUM INTEGRITY TEST SHALL BE CONDUCTED AND PASS IN ACCORDANCE WITH EXHIBIT 3 OF CARB EXECUTIVE ORDER G-70-193. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR OF THIS EQUIPMENT; THE NAME OF THE TESTING CONTRACTOR; THE LOCATION OF THE MOBILE FUELER; AND THE SCHEDULED START AND COMPLETION DATES OF THE VAPOR RETURN LINE VACUUM INTEGRITY TEST.

10. AT LEAST ONCE EVERY TWELVE MONTHS FROM THE PREVIOUS TEST, A FILL PIPE PRESSURE REGULATION FUELING TEST SHALL BE CONDUCTED AND PASS IN ACCORDANCE WITH EXHIBIT 4 OF CARB EXECUTIVE ORDER G-70-193. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR OF THIS EQUIPMENT; THE NAME OF THE TESTING CONTRACTOR; THE LOCATION OF THE MOBILE FUELER; AND THE SCHEDULED START AND COMPLETION DATES OF THE FILL PIPE PRESSURE REGULATION FUELING TEST.

11. AT LEAST ONCE EVERY TWELVE MONTHS FROM THE PREVIOUS TEST, A TEN GALLON PER MINUTE LIMITATION TEST SHALL BE CONDUCTED AND PASS IN ACCORDANCE WITH EXHIBIT 5 OF CARB EXECUTIVE ORDER G-70-193. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE ENGINEERING AND COMPLIANCE. WITHIN FORTY-EIGHT (48) HOURS OF TEST.

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

THE AQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR OF THIS EQUIPMENT; THE NAME OF THE TESTING CONTRACTOR; THE LOCATION OF THE MOBILE FUELER; AND THE SCHEDULED START AND COMPLETION DATES OF THE TEN GALLON PER MINUTE LIMITATION TEST.

12. THE INDIVIDUAL AND COMPANY PERFORMING ANY MAINTENANCE ON ANY PART OF THE VAPOR RECOVERY SYSTEM SHALL PROVIDE AT A MINIMUM FOR THE OWNER OR OPERATOR OF THE MOBILE FUELER, A CHRONOLOGICAL RECORD CONSISTING OF THE FOLLOWING INFORMATION FOR THE MOBILE FUELER'S MAINTENANCE LOG. THE DATE OF SERVICE, NAME OF MAINTENANCE TECHNICIAN, A CONTACT PHONE NUMBER, A DESCRIPTION OF AND LOCATION OF ANY EQUIPMENT REPLACED INCLUDING APPROPRIATE TEST RESULTS, AND A DESCRIPTION OF THE SYSTEM PROBLEMS REPAIRED.

13. A CURRENT CARB CERTIFICATION DECAL SHALL BE DISPLAYED ON THE MOBILE FUELER IN A MANNER APPROVED BY THE EXECUTIVE OFFICER.

14. ALL DAILY INSPECTION RECORDS SHALL BE COMPLETED IMMEDIATELY AFTER THE DAILY INSPECTION.

15. EXCEPT FOR NECESSARY INSPECTIONS DUE TO EQUIPMENT FAILURES, AND FOR SCHEDULED MAINTENANCE AND REPAIRS; THE MOBILE FUELER DOME HATCH SHALL REMAIN CLOSED AND LATCHED AT ALL TIMES. FURTHERMORE, THE MOBILE FUELER DOME HATCH SHALL REMAIN CLOSED AND LATCHED UNTIL THE HEAD SPACE PRESSURE IS LESS THAN 2" WC.

16. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THIS MOBILE FUELER SHALL NOT EXCEED 25,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 300,000 GALLONS IN ANY ONE CALENDAR YEAR.

17. ALL PHYSICAL INSPECTION AND GAUGE OBSERVATION RECORDS AS REQUIRED BY PERMIT CONDITIONS 6 AND 7; ALL TEST RESULTS AS REQUIRED BY PERMIT CONDITIONS 9, 10, AND 11; ALL MAINTENANCE RECORDS AS REQUIRED BY PERMIT CONDITION 12; AND ALL MONTHLY AND ANNUAL GASOLINE DISPENSED RECORDS AS REQUIRED BY PERMIT CONDITION 16; SHALL BE PREPARED, SHALL BE RETAINED FOR TWO YEARS, AND SHALL BE KEPT WITHIN THE MOBILE FUELER AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

18. IN CASE OF DEMONSTRATED NEED TO FUEL SERVICE EQUIPMENT IN THE FIELD, THIS MOBILE FUELER MAYBE USED TO FUEL MOTOR VEHICLES OFF SITE. IF THE PERIOD OF OFF SITE FUELING WILL EXCEED FOUR DAYS, THE AQMD SHALL BE NOTIFIED VIA TELEPHONE AT (877) 810-6995 WITH THE FOLLOWING INFORMATION:

A) THE PERMIT NUMBER OF THE MOBILE FUELER;
B) THE NAME AND PHONE NUMBER OF A CONTACT PERSON;
C) THE LOCATION WHERE THE MOBILE FUELER WILL BE OPERATED;
D) THE ESTIMATED TIME THE MOBILE FUELER WILL BE LOCATED AT THIS SITE; AND
E) THE DISTANCE TO THE NEAREST SENSITIVE RECEPTOR IF LOCATED WITHIN 1/4-MILE OF A LONG-TERM HEALTH CARE FACILITY, REHABILITATION CENTER, CONVALESCENT CENTER, RETIREMENT HOME, RESIDENCE, SCHOOL, PLAYGROUND, CHILD CARE CENTER, AND ATHLETIC FACILITY.

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

THE OPERATOR SHALL OPERATE THE MOBILE FUELER IN ACCORDANCE TO ALL OF THE PREVIOUSLY MENTIONED PERMIT CONDITIONS. IN ADDITION, THE OPERATOR SHALL RECORD THE AMOUNT OF GASOLINE FUEL DISPENSED WHILE THE MOBILE FUELER WAS LOCATED OFF SITE, AND INCLUDE THIS AMOUNT AS PART OF THEIR MONTHLY AND ANNUAL THROUGHPUT TOTALS.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/jm04
6/23/2000

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 51159

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: GENERAL ELECTRIC COMPANY

APPL. NO. 118077

EQUIPMENT LOCATED AT: ONTARIO INTERNATIONAL AIRPORT
ONTARIO, CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL EQUIPMENT CONSISTING OF:

1. BAGHOUSE, MODEL ICM HB-950E WITH 950 SQ. FT. OF CLOTH AREA.

2. EXHAUST SYSTEM WITH A 10 H.P. 3200 CFM BLOWER VENTING THE ABRASIVE BLASTING ROOM AND CYCLONE.

FILE COPY

This initial permit must be renewed by 11/01 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

J. A. STUART
EXECUTIVE OFFICER

BY RAQUEL M. PUERTA

DATE 07/18/86

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. M 51159
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 118077

-CONDITIONS-

1. A MECHANICAL GAUGE MUST BE INSTALLED SO AS TO INDICATE, IN INCHES WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE BAGS.

2. DUSTS COLLECTED IN THE BAGHOUSE MUST BE DISCHARGED ONLY INTO CLOSED CONTAINERS.

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 51160

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: GENERAL ELECTRIC COMPANY

APPL. NO. 118078

EQUIPMENT LOCATED AT: ONTARIO INTERNATIONAL AIRPORT
ONTARIO, CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

ABRASIVE BLASTING SYSTEM CONSISTING OF:

1. ROOM, 8' W. X 8' L. X 8' H., WITH PNEUMATIC FLOOR AND GRATING.
2. NOZZLE, 1/2" DIA. OPERATED AT A MAXIMUM PRESSURE OF 110 PSI.
3. CYCLONE WITH A 1 H.P. MOTOR AND A PRESSURE POT.

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

FILE COPY

This initial permit must be renewed by 11/01 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

J. A. STUART
EXECUTIVE OFFICER

BY RAQUEL M. PUERTA

DATE 07/18/86

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

Permit No.
N9363
~~A/N 360306~~

PERMIT TO OPERATE

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 114338

LEGAL OWNER
OR OPERATOR: MERCURY AIR GRP, MERCURY AIR CENTER, DBA
2161 E AVION ST
ONTARIO, CA 91761-7770

Equipment Location: 2161 E AVION ST, ONTARIO, CA 91761-7770

Equipment Description:

CARGO TANK MOTOR VEHICLE FUELING SYSTEM (MOBILE FUELER), CONSISTING OF:

1) DUAL COMPARTMENT GASOLINE/DIESEL DISPENSING MOBILE FUELER, VEHICLE NO. S-1, FRANZEN-HILL HILL-VAC (G-70-193), CYLINDRICAL, 12'- 0" L. X 8'- 0" W. X 2'- 4" H., 2,000-GALLON CAPACITY, POLYURETHANE INSULATION, WITH A WHITE SHELL, EQUIPPED WITH A PRESSURE/VACUUM RELIEF VALVE, AND TWO HEALY 100 JET PUMPS, CONSISTING OF:

   A) ONE 1,000-GALLON COMPARTMENT GASOLINE TANK, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.

   B) ONE 1,000-GALLON COMPARTMENT DIESEL TANK, NOT EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.

2) 1 – GASOLINE DISPENSING NOZZLE WITH A 50'- 0" COAXIAL HOSE ON A RETRACTABLE HOSE REEL, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, HEALY MODEL 400 ORVR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEM SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO THE MOBILE FUELER.

4. EXCEPT FOR DIESEL TRANSFERS, THE PHASE II VAPOR RECOVERY SYSTEM, INCLUDING ALL ASSOCIATED ABOVE GROUND PLUMBING HARDWARE, SHALL BE INSTALLED, OPERATED, AND MAINTAINED AS CERTIFIED IN ACCORDANCE WITH CARB EXECUTIVE ORDER G-70-193 WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT FOR THIS MOBILE FUELER SHALL BE OPERATED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED MAINTENANCE INTERVALS; AND SHALL USE THE MANUFACTURER'S RECOMMENDED INSTALLATION, OPERATION, AND MAINTENANCE PROCEDURES. THE MANUFACTURER'S MANUALS SHALL BE READILY ACCESSIBLE ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

6. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT A PHYSICAL INSPECTION OF THE EQUIPMENT AND MANUALLY MONITOR THE SYSTEM GAUGE LEVELS DURING GASOLINE DISPENSING ON A DAILY OPERATING BASIS PER SITE. THE EQUIPMENT SHALL OPERATE WITHIN THE FOLLOWING GAUGE LEVELS:

A)	VAPOR RETURN LINE VACUUM:	35" TO 65" WC
B)	GASOLINE SUPPLY PRESSURE:	27 PSIG TO 35 PSIG
C)	CARGO TANK PRESSURE:	LESS THAN 18" WC

ALL PHYSICAL INSPECTIONS AND GAUGE OBSERVATIONS SHALL BE RECORDED IN A SYSTEMS LOG AND BE KEPT ON BOARD THE MOBILE FUELER AT ALL TIMES.

7. IF A VIOLATION OF THE GAUGE RANGES SPECIFIED IN CONDITIONS 6A, 6B, OR 6C OCCURS, THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL:

A) RECORD THE DATE, TIME PERIOD, AND FUEL TOTALIZING METER READING WHEN THE SYSTEM FIRST BEGAN TO FAIL TO OPERATE WITHIN THE SPECIFIED RANGE.

B) RECORD THE DATE AND TIME THAT CONTACT WAS MADE WITH AN AUTHORIZED REPRESENTATIVE TO HAVE THE SYSTEM INSPECTED AND REPAIRED.

C) RECORD THE DATE AND TIME THAT THE AUTHORIZED REPRESENTATIVE INSPECTED THE SYSTEM, PROVIDE A WRITTEN DESCRIPTION OF THE REPAIRS PERFORMED, AND RECORD THE FUEL TOTALIZING METER READING.

8. THIS EQUIPMENT SHALL CEASE ALL GASOLINE DISPENSING OPERATIONS WHEN ANY ONE OF THE FOLLOWING CONDITIONS OCCUR:

A) ONE OF THE JET PUMPS IS DISABLED;

B) FAILING TO ACHIEVE THE MINIMUM OPERATING VACUUM OF 35" WC WITHIN FIVE SECONDS AFTER THE SYSTEM HAS BEEN ACTIVATED FOR THREE CONSECUTIVE DISPENSING EPISODES;

C) A VACUUM LEVEL BELOW 15" WC FOR MORE THAN THREE SECONDS AFTER THE SYSTEM HAS REACHED 35" WC;

D) A VACUUM LEVEL ABOVE 85" WC DURING A DISPENSING EPISODE TO NON-ORVR VEHICLES;

E) EXCEPT DURING TESTING OPERATIONS, A CLOSED VALVE AT THE VAPOR RETURN LINE CONNECTION TO EACH JET PUMP.

F) A PRESSURE IN THE CARGO TANK HEADSPACE EXCEEDING 18" WC FOR MORE THAN FIVE MINUTES (ACCUMULATED) DURING ANY SIXTY MINUTE GASOLINE DISPENSING PERIOD;

G) EXCEPT DURING REPAIR OPERATIONS, AN OPEN DRAIN VALVE IN THE LIQUID DROP OUT POT;

H) EXCEPT DURING TESTING OPERATIONS, A CLOSED DRAIN VALVE AT THE LIQUID DROP OUT POT IN THE LIQUID REMOVAL LINE;

I) ANY OBSERVATION OF BREAKS, CRACKS, OR HOLES IN THE INSULATION, WHICH AFFECTS THE INSULATING PROPERTIES OR DURABILITY OF THE INSULATION;

J) THE ACCUMULATED LENGTH OF ALL TEARS OF THE NOZZLE BOOT (INCLUDING RIPS, SLITS, CRACKS, ETC.) EXCEEDS 0.5" IN LENGTH; OR

K) THE FACEPLATE AND FILL PIPE INTERFACE CANNOT ACHIEVE A SEAL OF AT LEAST 25% OF THE ACCUMULATED CIRCUMFERENCE OF THE FACEPLATE.

9. AT LEAST ONCE EVERY TWELVE MONTHS FROM THE PREVIOUS TEST, A VAPOR RETURN LINE VACUUM INTEGRITY TEST SHALL BE CONDUCTED AND PASS IN ACCORDANCE WITH EXHIBIT 3 OF CARB EXECUTIVE ORDER G-70-193. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR OF THIS EQUIPMENT; THE NAME OF THE TESTING CONTRACTOR; THE LOCATION OF THE MOBILE FUELER; AND THE SCHEDULED START AND COMPLETION DATES OF THE VAPOR RETURN LINE VACUUM INTEGRITY TEST.

10. AT LEAST ONCE EVERY TWELVE MONTHS FROM THE PREVIOUS TEST, A FILL PIPE PRESSURE REGULATION FUELING TEST SHALL BE CONDUCTED AND PASS IN ACCORDANCE WITH EXHIBIT 4 OF CARB EXECUTIVE ORDER G-70-193. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR OF THIS EQUIPMENT; THE NAME OF THE TESTING CONTRACTOR; THE LOCATION OF THE MOBILE FUELER; AND THE SCHEDULED START AND COMPLETION DATES OF THE FILL PIPE PRESSURE REGULATION FUELING TEST.

11. AT LEAST ONCE EVERY TWELVE MONTHS FROM THE PREVIOUS TEST, A TEN GALLON PER MINUTE LIMITATION TEST SHALL BE CONDUCTED AND PASS IN ACCORDANCE WITH EXHIBIT 5 OF CARB EXECUTIVE ORDER G-70-193. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED AT TELEPHONE NUMBER (909) 396-3886 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE

CONTINUATION OF PERMIT TO OPERATE

OWNER OR OPERATOR OF THIS EQUIPMENT; THE NAME OF THE TESTING CONTRACTOR; THE LOCATION OF THE MOBILE FUELER; AND THE SCHEDULED START AND COMPLETION DATES OF THE TEN GALLON PER MINUTE LIMITATION TEST.

12. THE INDIVIDUAL AND COMPANY PERFORMING ANY MAINTENANCE ON ANY PART OF THE VAPOR RECOVERY SYSTEM SHALL PROVIDE AT A MINIMUM FOR THE OWNER OR OPERATOR OF THE MOBILE FUELER, A CHRONOLOGICAL RECORD CONSISTING OF THE FOLLOWING INFORMATION FOR THE MOBILE FUELER'S MAINTENANCE LOG. THE DATE OF SERVICE, NAME OF MAINTENANCE TECHNICIAN, A CONTACT PHONE NUMBER, A DESCRIPTION OF AND LOCATION OF ANY EQUIPMENT REPLACED INCLUDING APPROPRIATE TEST RESULTS, AND A DESCRIPTION OF THE SYSTEM PROBLEMS REPAIRED.

13. A CURRENT CARB CERTIFICATION DECAL SHALL BE DISPLAYED ON THE MOBILE FUELER IN A MANNER APPROVED BY THE EXECUTIVE OFFICER.

14. ALL DAILY INSPECTION RECORDS SHALL BE COMPLETED IMMEDIATELY AFTER THE DAILY INSPECTION.

15. EXCEPT FOR NECESSARY INSPECTIONS DUE TO EQUIPMENT FAILURES, AND FOR SCHEDULED MAINTENANCE AND REPAIRS; THE MOBILE FUELER DOME HATCH SHALL REMAIN CLOSED AND LATCHED AT ALL TIMES. FURTHERMORE, THE MOBILE FUELER DOME HATCH SHALL REMAIN CLOSED AND LATCHED UNTIL THE HEAD SPACE PRESSURE IS LESS THAN 2" WC.

16. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THIS MOBILE FUELER SHALL NOT EXCEED 25,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 300,000 GALLONS IN ANY ONE CALENDAR YEAR.

17. ALL PHYSICAL INSPECTION AND GAUGE OBSERVATION RECORDS AS REQUIRED BY PERMIT CONDITIONS 6 AND 7; ALL TEST RESULTS AS REQUIRED BY PERMIT CONDITIONS 9, 10, AND 11; ALL MAINTENANCE RECORDS AS REQUIRED BY PERMIT CONDITION 12; AND ALL MONTHLY AND ANNUAL GASOLINE DISPENSED RECORDS AS REQUIRED BY PERMIT CONDITION 16; SHALL BE PREPARED, SHALL BE RETAINED FOR TWO YEARS, AND SHALL BE KEPT WITHIN THE MOBILE FUELER AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

18. IN CASE OF DEMONSTRATED NEED TO FUEL SERVICE EQUIPMENT IN THE FIELD, THIS MOBILE FUELER MAYBE USED TO FUEL MOTOR VEHICLES OFF SITE. IF THE PERIOD OF OFF SITE FUELING WILL EXCEED FOUR DAYS, THE AQMD SHALL BE NOTIFIED VIA TELEPHONE AT (877) 810-6995 WITH THE FOLLOWING INFORMATION:

A) THE PERMIT NUMBER OF THE MOBILE FUELER;
B) THE NAME AND PHONE NUMBER OF A CONTACT PERSON;
C) THE LOCATION WHERE THE MOBILE FUELER WILL BE OPERATED;
D) THE ESTIMATED TIME THE MOBILE FUELER WILL BE LOCATED AT THIS SITE; AND
E) THE DISTANCE TO THE NEAREST SENSITIVE RECEPTOR IF LOCATED WITHIN ¼-MILE OF A LONG-TERM HEALTH CARE FACILITY, REHABILITATION CENTER, CONVALESCENT CENTER, RETIREMENT HOME, RESIDENCE, SCHOOL, PLAYGROUND, CHILD CARE CENTER, AND ATHELTIC FACILITY.

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

THE OPERATOR SHALL OPERATE THE MOBILE FUELER IN ACCORDANCE TO ALL OF THE PREVIOUSLY MENTIONED PERMIT CONDITIONS. IN ADDITION, THE OPERATOR SHALL RECORD THE AMOUNT OF GASOLINE FUEL DISPENSED WHILE THE MOBILE FUELER WAS LOCATED OFF SITE, AND INCLUDE THIS AMOUNT AS PART OF THEIR MONTHLY AND ANNUAL THROUGHPUT TOTALS.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/jm04
7/18/2001

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
F7956
A/N 322388

This [illegible] ANNUALLY unless the equipment is moved, or changes ownership.
If the [illegible] (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator:

ID 011726

G.E. ENGINE SERVICES, INC.
1923 EAST AVION ST.
ONTARIO, CA 91761-7766

Equipment Location: 1923 EAST AVION ST., ONTARIO, CA 91761-7766

Equipment Description:

ABRASIVE BLASTING SYSTEM CONSISTING OF:

1. CABINET, PAULI & GRIFFIN, MODEL NO. PRAM 31, 4'-0" W. X 4'-0" L. X 4'-0" H.
2. PRESSURE POT.
3. ONE NOZZLE WITH A MAXIMUM INSIDE DIAMETER OF 3/8 INCH.
4. PLANT AIR WITH A MAXIMUM DELIVERY RATE AT 100 PSI.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AN AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

4. THE ABRASIVE BLASTING OPERATION SHALL COMPLY WITH THE REQUIREMENTS OF RULE 1140.

FILE COPY

PERMIT TO OPERATE

CONTINUATION OF PERMIT TO OPERATE

NOTICE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/gv
7/02/1997

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

PERMIT NO. M95071
A/N 201416
PAGE 1

THIS [illegible] PERMIT MUST BE RENEWED BY 11/1 ANNUALLY UNLESS THE EQUIPMENT IS MOVED OR CHANGES OWNERSHIP. IF THE BILLING FOR ANNUAL RENEWAL FEE (RULE 301.P) IS NOT RECEIVED BY THE EXPIRATION DATE, CONTACT THE DISTRICT.

LEGAL OWNER OR OPERATOR: GENERAL ELECTRIC CO

CO. ID.: 011726 SECTOR: SH

EQUIPMENT LOCATED AT: 1923 E AVION STREET
ONTARIO, CA 917610000

EQUIPMENT DESCRIPTION:
FUEL STORAGE AND DISPENSING FACILITY CONSISTING OF:

1. ONE	UNDERGROUND GASOLINE STORAGE TANK(S), (EACH) 6,000 GALLON CAPACITY, NOT METHANOL COMPATIBLE
2. ONE	GASOLINE DISPENSING NOZZLES VENTED TO VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR
3. TWO	UNDERGROUND DIESEL STORAGE TANK(S), (EACH) 6,000 GALLON CAPACITY, NOT METHANOL COMPATIBLE
4. ONE	DIESEL DISPENSING NOZZLES.

PERMIT CONDITIONS:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. (EXCEPT FOR DIESEL TRANSFERS) PHASE I AND PHASE II VAPOR RECOVERY SYSTEMS MUST BE IN FULL OPERATION WHENEVER THIS FACILITY IS IN USE. SUCH SYSTEMS MUST BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CARB CERTIFICATION REQUIREMENTS.

THIS PERMIT CONCLUDES ON THE NEXT PAGE.

PERMIT to CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

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APPROVAL OF THE DEPARTMENT OF PUBLIC WORKS, THE DEPARTMENT OF BUILDING AND SAFETY, THE LOCAL FIRE DEPARTMENT AND/OR THE LOCAL TANK LAW IMPLEMENTING AGENCY IS REQUIRED BEFORE CONSTRUCTION IS STARTED.

THIS PERMIT TO CONSTRUCT/OPERATE IS BASED ON THE PLANS, SPECIFICATIONS, AND DATA SUBMITTED AS IT PERTAINS TO THE RELEASE OF AIR CONTAMINANTS AND CONTROL MEASURES TO REDUCE AIR CONTAMINANTS. NO APPROVAL OR OPINION CONCERNING SAFETY AND OTHER FACTORS IN DESIGN, CONSTRUCTION OR OPERATION OF THE EQUIPMENT IS EXPRESSED OR IMPLIED.

EXECUTIVE OFFICER

BY RAQUEL [illegible]NTA
08/11/90

FILE COPY

MAILING ADDRESS:
GENERAL ELECTRIC CO
1923 E AVION STREET

ONTARIO, CA 917610000

DATE: 08/11/90
ID: 011726
SECTOR: SM

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

PERMIT NO. M95369
A/N 218759
PAGE 1

THIS INITIAL PERMIT MUST BE RENEWED BY 11/16 ANNUALLY UNLESS THE EQUIPMENT IS MOVED, OR CHANGES OWNERSHIP. IF THE BILLING FOR ANNUAL RENEWAL FEE (RULE 301.F) IS NOT RECEIVED BY THE EXPIRATION DATE, CONTACT THE DISTRICT.

LEGAL OWNER OR OPERATOR: BEECHCRAFT WEST

CO. ID.: 039787 SECTOR: SM

EQUIPMENT LOCATED AT: 2161 E AVION ST
ONTARIO, CA 917610000

EQUIPMENT DESCRIPTION:
FUEL STORAGE AND DISPENSING FACILITY CONSISTING OF:

1. ONE — UNDERGROUND GASOLINE STORAGE TANK(S), (EACH) 6,000 GALLON CAPACITY, NOT METHANOL COMPATIBLE

2. ONE — GASOLINE DISPENSING NOZZLES VENTED TO VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR

PERMIT CONDITIONS:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. (EXCEPT FOR DIESEL TRANSFERS) PHASE I AND PHASE II VAPOR RECOVERY SYSTEMS MUST BE IN FULL OPERATION WHENEVER THIS FACILITY IS IN USE. SUCH SYSTEMS MUST BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CARB CERTIFICATION REQUIREMENTS.

THIS PERMIT CONCLUDES ON THE NEXT PAGE.

FILE COPY

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

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APPROVAL OF THE DEPARTMENT OF PUBLIC WORKS, THE DEPARTMENT OF BUILDING AND SAFETY, THE LOCAL FIRE DEPARTMENT AND/OR THE LOCAL TANK LAW IMPLEMENTING AGENCY IS REQUIRED BEFORE CONSTRUCTION IS STARTED.

THIS PERMIT TO CONSTRUCT/OPERATE IS BASED ON THE PLANS, SPECIFICATIONS, AND DATA SUBMITTED AS IT PERTAINS TO THE RELEASE OF AIR CONTAMINANTS AND CONTROL MEASURES TO REDUCE AIR CONTAMINANTS. NO APPROVAL OR OPINION CONCERNING SAFETY AND OTHER FACTORS IN DESIGN, CONSTRUCTION OR OPERATION OF THE EQUIPMENT IS EXPRESSED OR IMPLIED.

EXECUTIVE OFFICER

BY RAQUEL PUERTA
08/21/90

FILE COPY

MAILING ADDRESS:
BEECHCRAFT WEST
2161 E AVION ST

ONTARIO, CA 917610000

DATE: 08/21/90
ID: 039787
SECTOR: SH

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO CONSTRUCT/OPERATE

Permit No.
F15270
A/N 343028

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 116529

LEGAL OWNER
OR OPERATOR: ONTARIO INT'L. AIRPORT - MAINTENANCE
2132 E AVION ST
ONTARIO, CA 91761

Equipment Location: 2132 E AVION ST, ONTARIO, CA 91761

Equipment Description:

SPRAY BOOTH, BINKS, MODEL NO. SSA-530, AUTOMOTIVE TYPE, 12'-0" W. X 23'-1" L. X 8'-2" H., WITH TWENTY-EIGHT 0'-20" W. X 0'-20" L. X 0'-2" D. PAD EXHAUST FILTERS AND ONE 2 H.P. EXHAUST FAN.

Conditions:

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3) THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH RULES 1151 AND 1171.

4) COATINGS, ADHESIVES, REDUCERS, THINNERS AND WASH SOLVENTS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS CARCINOGENIC AIR CONTAMINANTS IN RULE 1401 AS AMENDED DECEMBER 7, 1990.

5) MATERIAL SAFETY DATA SHEETS FOR ALL COATINGS AND SOLVENTS USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

6) THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMITTED FROM THIS FACILITY SHALL BE LESS THAN 667 POUNDS IN ANY ONE CALENDAR MONTH.

7) THE OPERATOR SHALL COMPLY WITH RULE 109 (RECORDKEEPING FOR VOLATILE ORGANIC COMPOUND EMISSIONS).

FILE COPY

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

8) IN ADDITION TO THE RECORDKEEPING REQUIREMENT OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS FACILITY TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT.

9) WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE MONTH FROM ALL EQUIPMENT COVERED BY THE MONTHLY LIMIT. THE RECORD SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH DISTRICT RULES.

10) THE OPERATOR SHALL MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC-CONTAINING MATERIAL REGULATED BY THE DISTRICT THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.

11) THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC-CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC-CONTAINING MATERIAL REMOVED FROM THE FACILITY, FOR 36 MONTHS.

12) ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED AT THE FACILITY FOR 36 MONTHS, AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

FILE COPY

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/wyc
8/04/1998

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 33007

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: BEECH CRAFT WEST
WELLS AVIATION HANGAR

APPL. NO. 110362

EQUIPMENT LOCATED AT: ONTARIO INTERNATIONAL AIRPORT
ONTARIO, CALIFORNIA

FILE COPY

EQUIPMENT DESCRIPTION AND CONDITIONS:

PETROLEUM DISTILLATE STORAGE, LOADING AND DISPENSING FACILITY CONSISTING OF:

1. TWO U/G JET-A STORAGE TANKS, 25,000 GAL CAPACITY EACH, WITH OFFSET FILL.
2. TWO U/G AVIATION GASOLINE STORAGE TANKS, 15,000 GAL CAPACITY EACH, WITH OFFSET FILL.
3. ONE JET-A DISPENSING NOZZLE.
4. ONE AV. GAS. DISPENSING NOZZLE.
5. DISPENSING PUMP, JET-A, CENTRIFUGAL WITH 10 H.P. MOTOR.
6. TWO DISPENSING PUMPS, AV. GAS., CENTRIFUGAL WITH 8 H.P. MOTOR EACH.

This initial permit must be renewed by 11/16/83 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 09/16/83

XXXXXXXXXX
VOID UNLESS VALIDATED

76P235M-REV. 2-81

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
M 33007

CONTINUATION OF PERMIT NO. _____
(MUST BE DISPLAYED WITH PERMIT)

-CONDITION-

THIS EQUIPMENT MUST NOT BE USED FOR LOADING MORE THAN 73,700 LITERS (20,000 GALLONS) PER DAY OF ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 77.5 mm Hg (1.5 psia) OR GREATER UNDER ACTUAL LOADING CONDITIONS.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D02484
A/N 171613
Page 1

This initial permit must be renewed by 11/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner
or Operator: GENERAL ELECTRIC COMPANY

Equipment
located at: 1923 EAST AVION STREET, ONTARIO, CALIFORNIA

Equipment Description:

STORAGE SYSTEM 1,1,1 TRICHLOROETHANE, CONSISTING OF TWO 500 GALLON STORAGE TANKS, EACH 4'-0" DIA. X 6'-6" H. WITH A PRESSURE/VACUUM RELIEF VALVE.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS TANK MAY STORE ONLY 1,1,1 TRICHLOROETHANE.

THIS PERMIT CONCLUDES ON THE NEXT PAGE.

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

CONTINUATION OF PERMIT TO OPERATE

NOTICE

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EXECUTIVE OFFICER

FILE COPY

By Raquel Puerta/ejc
September 21, 1988

GENERAL ELECTRIC COMPANY
ATTN: CYNTHIA A. PAULO
1923 E. AVION ST.
ONTARIO, CA 91761

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D02488
A/N 169570
Page 1

This initial permit must be renewed by 11/16 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: GENERAL ELECTRIC COMPANY

Equipment located at: 1923 EAST AVION STREET, ONTARIO, CALIFORNIA

Equipment Description:

STORAGE TANK, NO. 4 11' DIA. X 24' H. 16,500 GALLONS CAPACITY, FIXED ROOF FOR JP-4 STORAGE.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS TANK MUST BE USED FOR THE STORAGE OF JP-4 FUEL ONLY.

4. THE MAXIMUM TURNOVER ON THIS TANK MUST NOT EXCEED 13 TIMES IN A YEAR.

5. THE OPERATOR SHALL MAINTAIN RECORDS OF THROUGHPUT AND MAKE SUCH RECORDS AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

THIS PERMIT CONCLUDES ON THE NEXT PAGE.

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

CONTINUATION OF PERMIT TO OPERATE

NOTICE

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EXECUTIVE OFFICER

FILE COPY

By Haquel Puerta/ejc
September 22, 1988

GENERAL ELECTRIC COMPANY
ATTN: CYNTHIA A. PAULO
1923 E. AVION ST.
ONTARIO, CA 91761

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D02487
A/N 169571
Page 1

This initial permit must be renewed by 11/16 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner
or Operator: GENERAL ELECTRIC COMPANY

Equipment
located at: 1923 EAST AVION STREET, ONTARIO, CALIFORNIA

Equipment Description:

STORAGE TANK, NO. 4 11' DIA. X 24' H. 16,500 GALLONS CAPACITY, FIXED ROOF FOR JP-4 STORAGE.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS TANK MUST BE USED FOR THE STORAGE OF JP-4 FUEL ONLY.

4. THE MAXIMUM TURNOVER ON THIS TANK MUST NOT EXCEED 13 TIMES IN A YEAR.

5. THE OPERATOR SHALL MAINTAIN RECORDS OF THROUGHPUT AND MAKE SUCH RECORDS AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

THIS PERMIT CONCLUDES ON THE NEXT PAGE.

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

FILE COPY

By Raquel Puerta/ejc
September 22, 1988

GENERAL ELECTRIC COMPANY
ATTN: CYNTHIA A. PAULO
1923 E. AVION ST.
ONTARIO, CA 91761

APPENDIX 5.8-2

Phase II Environmental Site Assessment
Proposed 97-Acre Magellan Airport Cargo Distribution Center
GSI Environmental. October 5, 2022
Revised November 3, 2022

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

Proposed 97-Acre Project
Magellan Airport Cargo Distribution Center
Ontario, California

Prepared for:
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South Airport Cargo Center
2333 Avion Road
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GSI Job No: 5925
Issued: October 5,2022
Revised: November 3, 2022

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

Proposed 97-Acre Project
Magellan Airport Cargo Distribution Center
Ontario, California

This Phase II Environmental Site Assessment Report was prepared by the staff of GSI Environmental Inc., under the supervision of the Engineer(s) and/or Geologist(s) whose signatures appear hereon.

The findings, recommendations, specifications, or professional opinions were prepared in accordance with generally accepted professional engineering and/or geologic practice. No warranty is expressed or implied.

Issued: October 5, 2022
Revised: November 3, 2022



Bita Tabatabai, PE
Principal Engineer



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Senior Geologist

PHASE II ENVIORNMENTAL SITE ASSESSMENT REPORT

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

TABLE OF CONTENTS

EXECUTIVE SUMMARY **1**

1.0 INTRODUCTION **3**

2.0 BACKGROUND **3**

2.1 Current Past Site Use 3

2.1.1 Parcel 61 4
2.1.2 Parcel 62 5
2.1.3 Southern Parcel 61 and 63 5
2.1.4 Parcels 67 and 68 5

2.2 Site Physical Description 5
2.3 Geologic, Hydrogeologic, Hydrologic, and Topographic Conditions 5
2.4 Previous Investigations 6

3.0 CONSTITUENTS OF CONCERN **7**

4.0 FIELD INVESTIGATION **8**

4.1 Pre-Field Activities 8
4.2 Soil Sampling and Analysis 9
4.3 Soil Vapor Probe Installation and Analysis 10
4.4 Ivestigation- Derived Wastes 10

5.0 INVESTIGATION RESULTS **10**

5.1 Soil Lithology 11
5.2 Soil Analytical Results 11

5.2.1 Parcel 61 and 63 12
5.2.2 Parcel 62 13
5.2.3 Parcel 68 14

5.3 Soil Vapor Analytical Results 14

5.3.1 Parcels 61 and 63 15
5.3.2 Parcel 62 15

5.4 Data Quality Summary 16

6.0 SUMMARY AND CONCLUSIONS **16**

7.0 REFERENCES **18**

PHASE II ENVIORNMENTAL SITE ASSESSMENT REPORT

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

TABLE OF CONTENTS

TABLES

Table 1. Metals in Soil
Table 2. Total Petroleum Hydrocarbons (TPH) in Soil
Table 3. Volatile Organic Compounds (VOCs) in Soil
Table 4. Semi-Volatile Organic Compounds (SVOCs) in Soil
Table 5. Polycyclic Aromatic Hydrocarbons (PAHs) in Soil
Table 6. Polychlorinated Biphenyls (PCBs) in Soil
Table 7. Organochlorine Pesticides (OCPs) and Chlorinated Herbicides in Soil
Table 8. Per- and Polyfluoroalkyl Substances (PFAS) in Soil
Table 9. Volatile Organic Compounds (VOCs) in Soil Vapor

FIGURES

Figure 1. Site Location Map
Figure 2. Phase II Environmental Investigation Locations
Figure 3. VOC Detections in Soil Samples
Figure 4. VOC Soil Sampling Locations – 61W-17A
Figure 5. VOC Soil Sampling Locations – 61W-30
Figure 6. VOC Soil Sampling Locations – 61W-32
Figure 7. VOC Soil Sampling Locations – 61W-44
Figure 8. PFOS, PFOA and Total PFAS in Soil
Figure 9. Total PFAS in Soil at 3 Feet
Figure 10. Total PFAS in Soil at 6 Feet
Figure 11. Detected VOCs in Soil Vapor
Figure 12. Total VOCs in Soil Vapor Probes at 5 Feet
Figure 13. Total VOCs in Soil Vapor Probes at 15 Feet

APPENDICES

Appendix A. SubSurface Surveys Geophysical Survey Report
Appendix B. Soil Boring Logs
Appendix C. Soil Analytical Laboratory Reports
Appendix D. Soil Vapor Analytical Laboratory Reports

PHASE II ENVIORNMENTAL SITE ASSESSMENT REPORT

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

TABLE OF CONTENTS

COMMON ACRONYMS

AFFF	Aqueous Film-Forming Foam
ANGS	Air National Guard Station
AOC	Areas of Concern
APN	Assessor's Parcel Number
AST	Aboveground Storage Tank
bgs	Below Ground Surface
Cal/EPA	California Environmental Protection Agency
CBCS	Combat Communications Squadron
DoD	Department of Defense
DOT	Department of Transportation
DTSC	Department of Toxic Substances Control
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
ESL	Environmental Screening Levels
EVOC	Emergency Vehicle Operations Course
GEES	GE Engine Services, Inc.
HASP	Health and Safety Plan
HDPE	High Density Polyethylene
HHRA	Human Health Risk Assessment
IDW	Investigation-Derived Wastes
LAPD	Los Angeles Police Department
mL	Milliliter
MSL	Mean Sea Level
mg/kg	Milligrams per Kilogram
OCP	Organochlorine Pesticides
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyl
PCE	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene, PERC
PFAS	Per- and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctane sulfonic acid
PID	Photo-Ionization Detector
ppm	Parts per Million
QA/QC	Quality Assurance/Quality Control
QSM	Quality Systems Manual
REC	Recognized Environmental Condition
RSL	Regional Screening Level
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
SVOC	Semi-Volatile Organic Compound
TCE	Trichloroethylene, Trichloroethene
TPH	Total Petroleum Hydrocarbons

PHASE II ENVIORNMENTAL SITE ASSESSMENT REPORT

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

TABLE OF CONTENTS

COMMON ACRONYMS

USA	Underground Services Alert
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOA	Volatile Organic Analysis
VOC	Volatile Organic Compound

PHASE II ENVIORNMENTAL SITE ASSESSMENT REPORT

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

EXECUTIVE SUMMARY

At the request of Mr. Winters, GSI Environmental Inc. (GSI) completed a Phase II Environmental Site Assessment (ESA) for the Magellan Airport Cargo Distribution Center property, which is comprised of a 97-Acre Portion of the Ontario International Airport, Ontario, California ("the Site", Figure 1). The objective of the Phase II ESA was to:

- address the recognized environmental conditions (RECs) identified in GSI's Phase I Environmental Site Assessment (Phase I ESA) dated December 10, 2021, by assessing soil and soil vapor conditions at the Site, and
- to establish a baseline understanding of the existing subsurface conditions and potential risk to human health in the future structures in connection with the proposed land lease and redevelopment of the Site.

The Phase II investigation activities were conducted between February 23 and March 23, 2022, which consisted of drilling one hundred and forty-three (143) soil borings on Parcels 61, 62, 63, and 68 and collecting soil and soil vapor samples to evaluate subsurface conditions. The soil borings were advanced to depths between approximately 3 to 15 feet below ground surface (feet bgs). Results of soil and soil vapor sampling at the Site are below:

Soil

- Semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs) and chlorinated herbicides were not detected above laboratory reporting limits in soil samples collected.
- Metals, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and organochlorine pesticides (OCPs), were detected above laboratory reporting limits but below their respective commercial/industrial screening levels.
- One or more per- and polyfluoroalkyl substances (PFAS) analytes were detected in 18 of the 28 samples analyzed at a concentration above their respective laboratory reporting limits. The PFAS detections were identified in the vicinity of the Guardian Jet Center and southern hangar buildings, and the historical fire house building adjacent to the former national guard hangar. Four of the 18 samples had reported concentrations that exceeded their respective San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (SFBRWQCB ESL) for PFOS and PFOA.

Soil Vapor (Dual-nested Soil Vapor Probes)

- Trichloroethylene (TCE) and chloroform were the only two VOC constituents with concentrations exceeding their respective commercial/industrial United States Environmental Protection Agency Screening Levels (USEPA SLs) using a default attenuation factor (AF) of 0.03 (USEPA AF SL) and only TCE exceeded the commercial/industrial Department of Toxic Substances Control Screening Level (DTSC SL) with an attenuation factor for future commercial/industrial buildings (DTSC AF SL). The commercial/industrial USEPA AF SL and the commercial/industrial DTSC AF SL for

TCE was exceeded in 13 samples and four samples, respectively. The TCE exceedances were located within the footprint of the General Electric leasehold building, also identified as Hangar 4, or within the proposed western building footprint (as part of the Phase 2 construction/development plans).

Based on the results obtained during this investigation, a soil management plan (SMP) is recommended to be prepared and implemented prior to and during planned Site redevelopment where soils will be disturbed. Due to the known presence of PFAS-impacted materials where AFFF is currently stored and may have been used, special attention should be made to demolition materials including concrete, fire suppression system tanks and associated piping, drains and drainage piping, and clarifiers within the northern and southern Guardian Jet Center hangars, and historical fire house associated with the former National Guard Facility. Additionally, addressing PFAS-impacted soils underlying these features and structures should be included in the SMP. Although PFAS is not currently regulated under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) as a hazardous waste and PFAS analyte concentrations were below established USEPA RSLs, caution should be taken when handling materials and soils contaminated with PFAS due to their human health risks, which are still being developed/assessed by regulatory authorities. The USEPA on August 26, 2022, released a proposed rule designating two PFAS analytes – PFOA and PFOS as “hazardous substances” under CERCLA. The proposed rule is currently out for public comment and the USEPA may list additional PFAS as hazardous substances. This will result in substantial disposal costs if the PFAS-impacted materials are disturbed/excavated during proposed Site redevelopment. Additionally, if redevelopment plans allow implementation of engineering controls (capping PFAS-impacted materials/soil), such an approach would be a more feasible and cost-effective alternative compared to excavation and disposal. If planned redevelopment includes disturbing materials/soil in this area, additional soil sampling may be warranted in order to delineate the extent of PFAS impacts, enabling segregation and proper disposal during redevelopment and implementation of the SMP.

Additionally, based on the results obtained during this investigation, installation of a vapor intrusion mitigation system (VIM system) is recommended as part of the proposed western building footprint due to potential vapor intrusion from the subsurface into the future building. Alternatively, a soil vapor extraction remediation system could be utilized to reduce TCE and chloroform vapor concentrations through removal of VOCs in the area of the proposed western building footprint (as part of the Phase 2 construction/development plans).

1.0 INTRODUCTION

GSI Environmental Inc. (GSI) has prepared this Phase II Environmental Site Assessment (Phase II ESA) Report for the Magellan Airport Cargo Distribution Center property comprised of a 97-Acre Portion of the Ontario International Airport, Ontario, California ("the Site", Figure 1). The objective of the Phase II ESA was to address the recognized environmental conditions (RECs) identified in GSI's Phase I Environmental Site Assessment (Phase I ESA) dated December 10, 2021, through investigation of soil and soil vapor conditions at the Site. This Phase II ESA additionally establishes a baseline understanding of existing subsurface conditions and potential risk to human health in the future structures associated with the proposed land lease and redevelopment of the Site.

This report presents the results of the soil and soil vapor investigation conducted between 23 February and 21 April 2022.

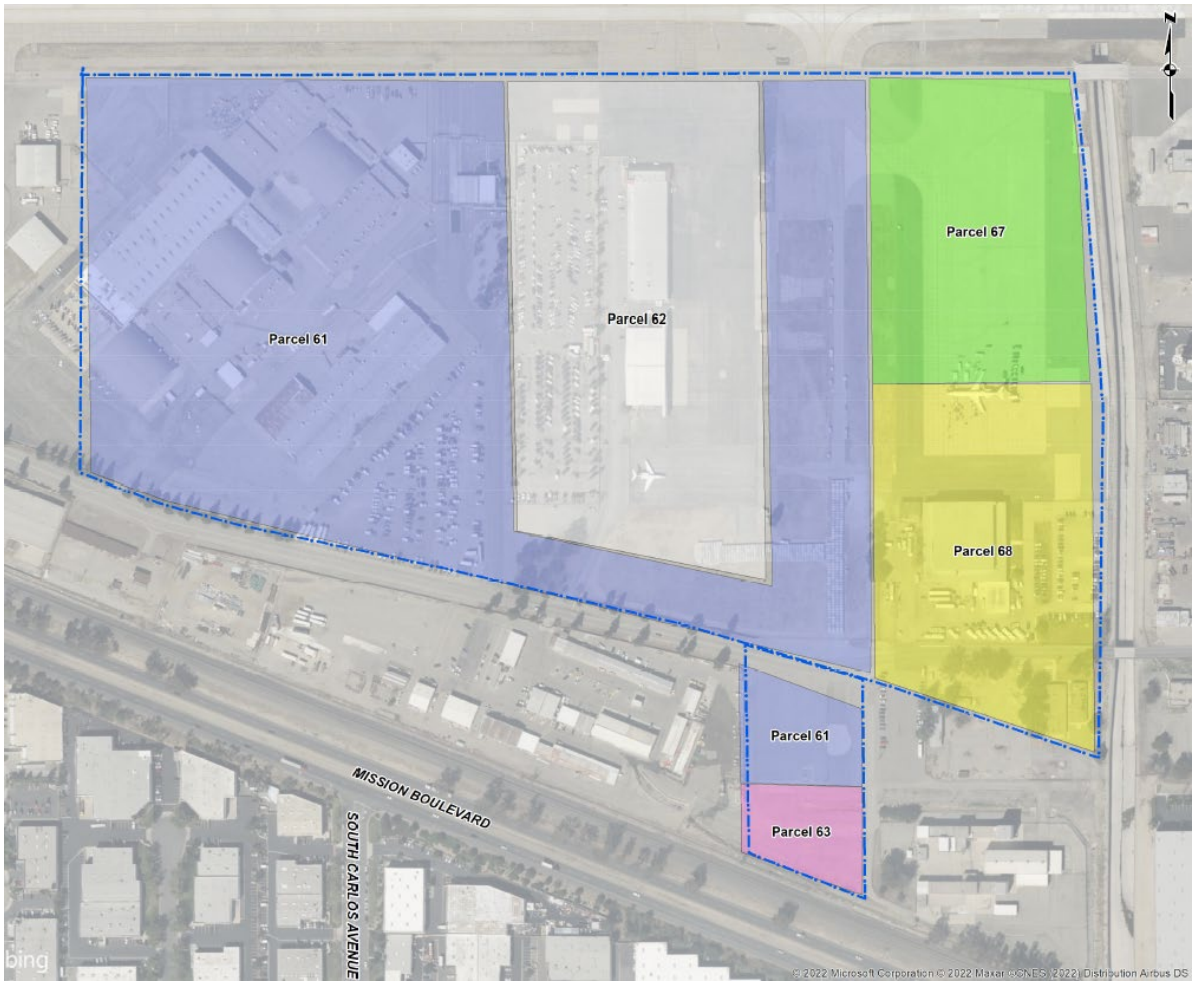
2.0 BACKGROUND

The Site is located in Ontario, California and includes an approximately 97-acre portion of the Ontario International Airport. Operations at the Ontario International Airport began in 1921 when the Ontario Aircraft Corporation was organized. In 1929 the airport moved to a 30-acre parcel near the corner of Mission Boulevard and Grove Avenue in the southwestern corner of the current airport property. In 1940 an additional 405 acres were added to the airport property. Until the mid to late 1950's the Site was primarily agricultural with some vineyards. In the 1940's some vineyards were removed to construct portions of the airport. The Ontario Airport was utilized in support of World War II and after the war it was returned to the City of Ontario. The Site consists of 24 buildings and hangars, ancillary structures, and parking facilities and is located north of East Avion Street and west of the Cucamonga Creek with a small portion connecting to South Hellman Avenue. The Site is broken down into five parcels, Parcel 61, Parcel 62, Parcel 63, Parcel 67, and Parcel 68.

2.1 Current Past Site Use

The Site is comprised of portions of five parcels on the Ontario International Airport property.

- Parcel 61/APN 011326106 (approximately 48 acres)
- Parcel 62/APN 011326107 (approximately 21 acres)
- Parcel 63/APN 011326108 (approximately 2 acres)
- Parcel 67/APN 011327101 (approximately 12 acres)
- Parcel 68/APN 011327102 (approximately 14 acres)



2.1.1 Parcel 61

Parcel 61 encompasses the western portion of the site investigation area; the southern portion just north of East Avion Street; between Parcel 62 and Parcels 67/68; and the northern portion of the southern investigation area, just south of East Avion Street. Parcel 61 is the largest parcel within the investigation area and as such, has been broken up into three sections for the purposes of this report – western portion, designated as 61W herein, central portion, designated as 61C herein and southern portion, designated as 61S herein. Hangars 1 through 5 are located on Parcel 61W. Hangars 1 and 2 were constructed in the late 1940's, and in 1950 Northrop Aircraft Company reportedly began manufacturing operations in Hangar 1. Hangar 3 was constructed in 1951 and some time before 1953 Douglas Aircraft began operations in Hangar 2 or 3. In 1953 Hangar 4 was constructed and Lockheed Aircraft occupied Hangar 4 between 1955 and 1980. Hangar 5 is currently utilized for storage and administration. In approximately 1955, GE Engine Services, Inc. (GEES) moved operations to the Site and Northrop vacated Hangar 1. GEES moved to Hangar 4 once Lockheed vacated the building in 1980. The former Los Angeles Police Department (LAPD) Emergency Vehicle Operations Course (EVOC) was previously located in the center of the Site along the western border of Parcel 62.

2.1.2 Parcel 62

Parcel 62 encompasses the central portion of the site investigation area, encircled by Parcel 61. This portion of the Site was primarily agricultural through the 1970s. In 1983 the Guardian Jet Center East (main Hangar) and office building were developed, and by 1987 the second Hangar (southern building) was in use. By 1994 the outbuilding maintenance area was constructed and put into service. A fuel farm existed on the southwestern corner of the Parcel and two clarifiers, and a maintenance shop have been documented within this Parcel during the Phase I ESA. A former police station associated with the City of Los Angeles LAPD EVOC was previously located in the center of the Site along the western border of Parcel 62. Between 2002 and 2008 Parcel 62 did not change significantly (CTL, 2008).

2.1.3 Southern Parcel 61 and 63

Parcel 61S and 63 are located just south of East Avion Street and north of the railroad. The southern portion of the Site is comprised of small portions of Parcel 61 and Parcel 63. This location historically was used for agricultural purposes. It is now paved and utilized for parking. This area also includes a large storm drain outlet.

2.1.4 Parcels 67 and 68

Parcels 67 and 68 are the eastern-most parcels of the investigation area. Parcel 67 is adjacent to the airport runway and north of Parcel 68. Parcel 68 is just north of East Avion Street. The central area of Parcel 68 included a skeet range in the mid-1940's. The Ontario Air National Guard Station (ANGS) was located on Parcel 68 with ancillary structures to the south and east. From 1943 to 1948 the army maintained the area and in 1952 the 196th Tactical Air Support Group was assigned to Ontario International Airport. The facilities were updated at that time and the operations included maintenance of aircraft vehicles, and aerospace ground equipment. In the 1950's, a hangar, fire station, fueling station, and wash rack were constructed over the skeet range. A munitions bunker was constructed in the 1950s and later used by Lockheed in the 1990s for storage of ammunition and explosives. The 196th Tactical Air Support Group vacated the Site in 1983 and the 148th Combat Communications Squadron (CBCS) occupied the Site from 1984 through 1998. The ANGS was closed in September 1998.

2.2 Site Physical Description

The Site is a large airport facility consisting of 24 buildings and hangars, ancillary structures, and parking facilities located north of East Avion Street and west of the Cucamonga Creek.

2.3 Geologic, Hydrogeologic, Hydrologic, and Topographic Conditions

The Site lies within the Chino Basin, a managed groundwater basin that supplies groundwater for municipal, industrial, and agricultural uses. The Chino Basin is an adjudicated basin, with water rights controlled by the Chino Basin Watermaster, in accordance with the Chino Basin Master Plan. The Inland Empire Utility Agency and the Chino Basin Watermaster manage the Chino Basin water supply through a network of stormwater management channels and percolation basins developed to enhance groundwater recharge. The Ely Basins, located southwest of the Site, are a component of this recharge system (Wood, 2019).

Groundwater elevations across the Site have historically ranged between 600 and 645 feet above mean sea level (msl). From 1990 through around 2010, groundwater elevations were generally in a decline with a seasonal variation. Between 2010 and 2015, groundwater elevations increased about 15 feet. This increase is tribute to increased recharge and decreased municipal pumping in the vicinity of the Site. Since 2016, groundwater elevations appear to have stabilized.

Groundwater flow direction is predominantly to the southwest near the Site and west-southwest downgradient of the Site.

The Site is located in the Upper Santa Ana Valley, which is bounded by the San Gabriel Mountains and the Cucamonga fault to the north, the Colton-Rialto fault to the east, the Puente Hills and Chino fault to the west, and the Chino Hills, Chino fault, and Santa Ana River to the south southwest (CDWR, 2006). From the surface to approximately 45 feet below ground surface (bgs) are well graded sand with some fines and gravel. Sandy silt and silt are present beneath the Site at depths between 45 and 57 feet bgs followed by grained sand to approximately 80 feet bgs (Burns & McDonnell, 2014). Based on observations during Alta's investigation, soil beneath the Site generally consisted of silty sand from the surface to depths explored (10 feet bgs) (Alta, 2020).

Based on the most recent groundwater monitoring data available for the General Electric (GE) Company – Jet Engine Test Cell Facility, located adjacent to the Site, depth to groundwater ranges between 220 feet and 265 feet bgs with a groundwater flow direction to the west-southwest (Wood, 2022).

The Site is located approximately 910 feet above msl according to the United States Geological Survey (Ontario) 7.5 Minute Topographic Quadrangle map, with topography sloping to the southeast. Surface drainage at the Site currently flows to the south towards catch basins which discharge into three drainage area channels, the West Cucamonga Channel Drainage Area, the Cucamonga Channel Drainage Area, and the Deer Creek Drainage Area. The water is then discharged into the Cucamonga Creek, located on the eastern border of the Site.

Groundwater in the Chino-San Bernardino Basin at the former Ontario ANGS is bounded by the impermeable rock of mountains and hills to the north, west, and south, the Rialto-Colton barrier fault on the east, and the San Jose fault on the northwest. Groundwater occurs primarily within the confined, permeable alluvial sediments interbedded with discontinuous lenses of fine-grained material. The water table in the area of the station is approximately 250 feet bgs and groundwater flow is generally to the west-southwest. Recharge occurs primarily at the northern margin of the basin via infiltration of runoff from the San Gabriel Mountains. Discharge occurs from pumping of wells for agricultural and municipal use and as outflow to the Santa Ana River (Earth Technology Corporation, 1993).

Soils at the former Ontario ANGS are of the Tujunga soil series, which are characterized as nearly level to moderately sloping (0 to 5 percent) soil that formed on alluvial fans in granitic alluvium. The surface layer, which can be up to 10 inches in thickness, is a slightly acidic, brown, loamy sand. The substratum, which can be up to 54 inches in thickness, is a pale brown, coarse sand that is slightly acidic. In some areas, the substratum is composed of gravel that may range from 0 to 30 percent by volume (Science & Technology, Inc. 1990).

2.4 Previous Investigations

Included in the Phase I ESA is a summary of historical investigations that have been completed across the Site. A review of the existing investigation reports has identified historical uses at each parcel that include the following:

- Historical use of Parcel 61 has included the use of chlorinated solvents, the storage and dispensing of fuel, fire suppression chemical storage, and hazardous waste storage and waste treatment (including clarifiers, wash racks, and sumps).
- Historical use of Parcel 62 has included a fuel farm, two clarifiers, and a maintenance shop. Chemicals utilized at Parcel 62 have included chlorinated solvents and fire

suppression chemical storage. Poor housekeeping was identified in the vicinity of unmarked drums and stained concrete around the fire suppressant storage area within the Guardian Jet Center.

- Historical use on Parcels 67 and 68 has included the use of clarifiers, aboveground storage tanks (ASTs), and underground storage tanks (USTs). Multiple USTs have been documented at the Site and documentation of removal was not identified during the Phase I ESA investigation. Although USTs located on Parcels 62, 67 and 68 have been removed, closure documentation was not identified, and some impacted soil from at least one leaking UST reportedly remains in place at the Site.

Please refer to the Phase I ESA for a discussion of the following investigations:

- 1990 Phase I - Phase II ESAs. CDM, Portions of Parcels 61, 62, 67, and 68
- 1995 Underground Storage Tank Closure Report, El Capitan Environmental Services, portions of Parcel 68
- 1996 Draft Environmental Baseline Survey Ontario Air National Guard, Department of the Air Force, 1996, Off-Site Areas to the East and South of Parcel 68
- 1997 Hazardous Materials Survey Report, Encorp, 1997, Portions of Parcel 68
- 1998 ESA, Department of the Air Force, 1998, Off-Site Areas to the East and South of Parcel 68
- 2001 Airport Group International, AGI, Phase I ESA Transmittal (Various)
- 2001 Phase I ESA Former Air National Guard and Surrounding, CTL, 2001, Portion of Parcels 61, 62, 63, 67, and 68
- 2003 Phase I ESA Hangar 4 at GE Engine Services, Mactec, 2003, Portion of Parcel 61
- 2003 Phase I ESA Former Los Angeles Police Department Emergency Vehicle Operations Course (LAPD EVOC) Facility, CTL, 2003, Portions of Parcels 61 and 62
- 2004 Phase I ESA East Avion Complex, EarthTech, 2004, Small Portion on the Northwestern Corner of Parcel 61
- 2005 Phase II ESA East Avion Complex, EarthTech, 2005, Small Portion on the Northwestern Corner of Parcel 61
- 2005 Phase I ESA, ASIG, 2006; Dirt Lease Area (off-Site)
- 2006 Phase I ESA 1923 East Avion Street, MACTEC, 2006, Portion of Parcel 62
- 2008 Phase I ESA of the Ontario International Airport Mercury Air Center Facility, CTL, 2008, Portions of Parcel 62

3.0 CONSTITUENTS OF CONCERN

As identified in the Phase I ESA Report and based on historical uses of the Site, the constituents of concern include: metals, petroleum hydrocarbons, volatile organic compounds (VOCs), semi-volatile compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), organochlorine pesticides (OCPs), herbicides, per- and polyfluoroalkyl substances (PFAS), asbestos containing materials, and lead-based paint.

PFAS is considered a constituent of concern due to the presence of above ground tanks labeled with aqueous film forming foam (AFFF) for fire suppression within some of the hangars. AFFF are synthetic PFAS-containing foams designed for flammable liquid fires. Floor drains connected to sewer lines and clarifiers were also in the proximity of the AFFF equipment. Floor drains and

clarifiers are known to leak overtime, and therefore, AFFF may have entered these areas and leaked into the subsurface.

In May 2022, the USEPA issued residential and commercial/industrial human health RSLs for screening soil for the following PFAS analytes:

- Perfluorooctanoic acid (PFOA);
- Perfluorooctane sulfonic acid (PFOS);
- Perfluorohexane sulfonic acid (PFHxS);
- Perfluorononanoic acid (PFNA); and
- Perfluorobutane sulfonic acid (PFBS).

The SFBRWQCB has developed ESLs for PFOA and PFOS in soil for residential direct contact, commercial/industrial workers, and construction worker scenarios

4.0 FIELD INVESTIGATION

Between February 23 and March 23, 2022, one hundred and forty-three (143) soil borings were advanced on Parcels 61, 62, 63, and 68 (also referred to as areas of concern [AOC]) for the collection of soil and/or soil vapor samples. Parcel 61 is further divided as western (61W), central (61C), and southern (61S) areas. The proposed building footprint covers areas included in Parcels 61, 62 and 63 (Figure 2).

Borings Completed in Parcel 61 (AOCs 61W, 61C, and 61S):

- 89 borings were advanced for the collection of soil samples.
- 15 of the 89 borings were completed with dual-nested soil vapor probes that were sampled in April 2022.

Borings Completed in Parcel 62 (AOC 62):

- 32 borings were advanced for the collection of soil samples.
- 6 of the 32 borings were completed with dual-nested soil vapor probes that were sampled in April 2022.

Borings Completed in Parcel 63 (AOC 63):

- 2 borings were advanced for the collection of soil samples and were completed with dual-nested soil vapor probes that were sampled in April 2022.

Borings Completed in Parcel 68 (AOC 68):

20 borings were advanced for the collection of soil samples.

4.1 Pre-Field Activities

Prior to implementing field investigation activities, GSI completed the following pre-field activities.

- Prepared a Site-Specific Health and Safety Plan (HASP) in accordance with the requirements of the State of California General Industry Safety Order 5192 and Title 29 of the Code of Federal Regulations, Section 1910.120.
- Coordinated with representatives from Ontario International Airport, TBI Airport Management, Inc. (TBI; airside escort) and Allied Protection Services, Inc. (Allied; airside escort) regarding schedule and Site access to airside and landside locations.

- Coordinated with subcontractors including Subsurface Surveys (SSS; private utility locating subcontractor); InterPhase Environmental (InterPhase; drilling subcontractor); Advanced Technology Laboratories and Vista Analytical Laboratory (ATL and Vista, respectively; soil analytical laboratories); and H&P Mobile Geochemistry (H&P; soil vapor analytical laboratory).
- Marked proposed investigation boring locations and notified Underground Services Alert (USA) a minimum of two full working days prior to initiating field activities. USA tickets were obtained, and utility provider responses were reviewed prior to conducting subsurface activities.
- Geophysical survey was conducted by SSS of Carlsbad, California to clear the proposed boring locations of buried utilities and/or other subsurface structures or obstructions on 8 to 10 February 2022 and 14 to 16 February 2022. A summary of the geophysical survey is included in Appendix A.

4.2 Soil Sampling and Analysis

Between February 23 and March 23, 2022, InterPhase Environmental (InterPhase) of Commerce, California, advanced one hundred and forty-three (143) borings to depths between approximately 3 and 15 feet.[1] Borings were advanced to depths of approximately 5 feet using a hand auger, followed by using truck- and/or track-mounted direct-push drilling equipment and 2.25-inch outer diameter, dual-cased drive samplers lined with acetate sample liners to the total depth of the borings. This drilling method was selected to facilitate depth-discrete collection of relatively undisturbed samples, while minimizing the potential for downhole slough or cross-contamination between sampling depths by maintaining a cased boring between sample core drives.

Recovered soil from all borings was screened in the field for the presence of VOCs using a photo-ionization detector (PID) calibrated with a 100 parts per million (ppm) isobutylene standard and results are reported on the boring logs (Appendix B). GSI maintained and calibrated the PID according to manufacturer specifications.

Reusable sampling equipment was decontaminated between sample locations by washing with a plastic scrub brush using laboratory-grade detergent and potable water, followed by rinsing twice with potable water.[2]

Soil samples were collected in 4-ounce glass jars, 6-ounce high density polyethylene (HDPE) jars, and/or 40 milliliter (mL) Terra Core volatile organic analysis (VOA) vials containing 5 mL of sodium bisulfate or methanol and a stir bar. Samples were transported following chain-of-custody protocols to ATL of Signal Hill, California, and/or Vista of El Dorado Hills, California, state environmental laboratory accreditation program (ELAP) certified laboratories, and analyzed for one or more of the following:

- Title 22 metals including mercury using United States Environmental Protection Agency (USEPA) Methods 6010B/7471A;
- VOCs using USEPA Method 8260B;
- Total petroleum hydrocarbons (TPH) quantified as C4-C12, C13-C23, and C23-C32 using USEPA Method 8015B;

[1] Reference points for soil boring and soil sample depths are in reference to the top of the native soil contact.
[2] An additional bucket containing ultra-pure PFAS-free water was used at locations where soil samples were collected for PFAS analysis.

- SVOCs using USEPA Method 8270C;
- PAHs using USEPA Method 8270SIM;
- PCBs using USEPA Method 8082;
- OCPs using USEPA Method 8081A;
- Chlorinated Herbicides using USEPA Method 8051A; and
- PFAS using Vista's PFAS Isotope Dilution Method for the 23 PFAS analytes. This method is compliant with Department of Defense (DoD) Table B-15 of Quality Systems Manual (QSM), dated 2017, version 5.1 or later.

Analytical results from soil samples are summarized in Section 5.2.

4.3 Soil Vapor Probe Installation and Analysis

Temporary dual-nested soil vapor probes were installed at 23 boring locations at depths of approximately 5 and 15 feet. Soil vapor probes were installed in accordance with the July 2015 California Environmental Protection Agency (Cal/EPA) Advisory – Active Soil Gas Investigations (Advisory).

The soil vapor probes were constructed using 1/4-inch outside diameter Nylaflow tubing connected to a 4-inch long porous soil vapor sampling probe tip. The tip was centered in an approximately 1-foot thick layer of #3 filter pack sand. A six-inch layer of dry #8 granular bentonite was placed above each sand pack layer, followed by placing additional granular bentonite (hydrated with potable water in 6-inch lifts) to either the bottom of the next sand pack interval or near ground surface to create a seal. The surface at each location was completed with a flush mount, traffic-rated well box set in concrete.

Between April 18 and 21, 2022, soil vapor sampling activities were performed in accordance with the Advisory by H&P. Soil vapor sampling activities consisted of performing a shut-in test on the sampling train for each soil vapor probe before purging and collecting the soil vapor samples. The shut-in test was successful at all probe locations (i.e., to achieve a minimum vacuum of 100 inches of water maintained in the sampling train for a minimum duration of 1 minute). During soil vapor purging and sampling, 1,1 difluoroethane (1,1-DFA) was applied at the borehole and above ground fittings as a leak test compound to evaluate the integrity of the soil vapor sampling train.

The soil vapor probes were purged at a rate of approximately 200 milliliters per min (mL/min) until 3 purge volumes were removed followed by collecting soil vapor samples using 100-milliter glass syringes. Soil vapor samples were analyzed on-Site in a mobile laboratory for VOCs using USEPA Method 8260SV modified for soil vapor. Analytical results from soil vapor samples are summarized in Section 5.3.

4.4 Ivestigation- Derived Wastes

Investigation-derived wastes (IDW; soil and equipment wash water) were placed and stored in 55-gallon drums and temporarily stored on-Site pending waste profiling and off-Site disposal in accordance with applicable State and Federal regulations. A total of 11 drums were used during field activities, of which 9 contain soil cuttings and 2 containing decontamination water.

5.0 INVESTIGATION RESULTS

This section presents the analytical results from soil and soil vapor samples collected during this investigation and comparison of Site data to screening levels, including Cal/EPA, Department of

Toxic Substances Control (DTSC) modified screening levels (SLs), United States EPA (USEPA) regional screening levels (RSLs), San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs) and background levels.

5.1 Soil Lithology

As the borings were advanced, the hand auger cuttings and/or soil core were observed for general characteristics and a lithologic boring log was prepared by a field geologist under the direct supervision of a California licensed Professional Geologist using the Unified Soil Classification System (USCS) for guidance, as described in the American Society for Testing Materials (ASTM) International Standard D 2488.

The soil encountered in the 143 borings consisted predominantly of silty sand and poorly graded sand with and without gravel, with lesser amounts of silty sand with gravel, sandy lean clay, and poorly graded gravel with sand to depths of approximately 15 feet bgs. The general soil lithology for each parcel is listed below:

Parcel 61W

Silty sand was encountered from ground surface to approximately 9-10 feet bgs followed by poorly graded sand containing different percentages of gravel to approximately 15 feet bgs.

Parcel 61C

Poorly graded sand was encountered from ground surface to approximately 5 feet bgs, followed by silty sand and poorly graded sand to approximately 15 feet bgs.

Parcel 61S

Silty sand was encountered from ground surface to approximately 9 feet bgs followed by poorly graded sand to 15 feet bgs.

Parcel 62

Within the northern area of Parcel 62, predominantly poorly graded sand was encountered from ground surface to approximately 5.5 feet bgs, followed by silty sand to approximately 10 feet bgs. Within the southern area of Parcel 62, predominantly silty sand was encountered from ground surface to approximately 5 feet bgs followed by poorly graded sand to approximately 10 feet bgs.

Parcel 63

Silty sand was encountered from ground surface to approximately 10 feet bgs followed by poorly graded sand to approximately 15 feet bgs.

Parcel 68

Within the eastern and southern areas of Parcel 68, predominantly silty sand was encountered from ground surface to approximately 8 feet bgs followed by poorly graded sand to approximately 15 feet bgs. Within the western and central areas of Parcel 68, predominantly silty sand was encountered from ground surface to approximately 3 feet bgs followed by poorly graded sand in deeper soils to various depths.

Lithologic boring logs are included in Appendix B.

5.2 Soil Analytical Results

Analytical results for soil samples are discussed below and summarized in Tables 1 through 8. Laboratory analytical reports for soil samples are included in Appendix C.

Soil analytical results are evaluated by comparison to Regional Screening Levels (RSLs) for commercial/industrial soil published by USEPA and endorsed or modified by Department of Toxic Substances Control (DTSC; USEPA, 2022, DTSC, 2022a). These screening levels (SLs) are referred to as DTSC SLs herein. The DTSC SLs consider the incidental ingestion, inhalation of particulates and volatile compounds, and dermal adsorption pathways, and correspond to concentrations in soil that are not expected to pose a significant human health risk.

Arsenic occurs naturally in California soils at concentrations exceeding the risk based DTSC modified SLs and USEPA RSLs. Therefore, analytical results for arsenic in soil samples are compared to an estimated regional background level for Southern California of 12 milligrams per kilogram (mg/kg), as recommended by DTSC in Human Health Risk Assessment (HHRA) Note 11 (DTSC, 2020b).

Analytical results for TPH are compared to commercial/industrial ESLs established by the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB; 2019). These screening levels are referred to as SFBRWQCB ESLs herein. The SFBRWQCB ESLs were developed for direct exposure to human health for construction workers. The samples analyzed for the 23 PFAS constituents are also compared to SFBRWQCB ESLs for commercial/industrial workers. The SFBRWQCB has published ESLs for only two PFAS analytes, while the US EPA has published RSLs for five PFAS analytes.

5.2.1 Parcel 61 and 63

Analytical results for soil samples collected within Parcel 61 (including AOCs, 61W, 61C, and 61S) and Parcel 63 are summarized below.

Metals (Table 1)

Ninety-one (91) soil samples were collected at depths of approximately 1 and 5 feet. The 5-foot samples were placed on laboratory hold pending results of the 1-foot samples. Various metals were detected at concentrations exceeding their respective laboratory reporting limits, but below the DTSC SLs and/or background concentrations; therefore the 5-foot samples were not analyzed.

TPH (Table 2)

One hundred and four (104) soil samples were collected at depths of approximately 5.5 feet at locations without soil vapor probes and approximately 5.5 and 15 feet bgs at locations with soil vapor probes. Only TPH quantified as C_{23} to C_{32} was detected at concentrations exceeding their respective laboratory reporting limit, but below the SFBRWQCB ESL.

VOCs (Table 3)

One hundred and three (103) soil samples were collected at depths of approximately 5.5 feet at locations without soil vapor probes and approximately 5.5 and 15 feet bgs at locations with soil vapor probes. Only trichloroethene (TCE), 1,1,1-trichloroethance (1,1,1-TCA), chloroethane, and methylene chloride were detected at concentrations exceeding their respective laboratory reporting limits, but below the DTSC SLs.

SVOCs (Table 4)

Ten (10) soil samples were collected at depths of approximately 5.5 feet. No SVOCs were detected at concentrations exceeding their respective laboratory reporting limits.

PAHs (Table 5)

Eighteen (18) soil samples were collected at depths of approximately 5.5 feet. Only benzo(g,h,i)perylene and chrysene were detected in one sample (61W-40-1-5.5) at concentrations exceeding their respective laboratory reporting limits but were below the DTSC SLs.

PCBs (Table 6)

Six (6) soil samples were collected at depths of approximately 1 foot. No PCBs were detected at concentrations exceeding their respective laboratory reporting limits.

OCPs and Chlorinated Herbicides (Table 7)

Six (6) samples were collected at depths of approximately 1 foot. Only 4,4'- dichlorodiphenyldichloroethylene (4,4'-DDE) and 4,4'-dichlorodiphenyltrichloroethane (4,4'-DDT) were detected in two samples (61W-1-10-1 and 61W-1-11-1) at concentrations exceeding their respective laboratory reporting limits, but below the DTSC SLs. No chlorinated herbicides were detected above their respective laboratory reporting limits.

PFAS (Table 8)

Ten (10) soil samples were collected at depths of approximately 3 and 6 feet bgs. No PFAS analytes were detected at concentrations exceeding their respective laboratory reporting limit.

5.2.2 Parcel 62

Analytical results for soil samples collected within Parcel 62 are summarized below.

Metals (Table 1)

Thirty-two (32) soil samples were collected at depths of approximately 1 and 5 feet bgs. The 5-foot samples were placed on laboratory hold pending results of the 1-foot samples. Various metals were detected at concentrations exceeding their respective laboratory reporting limits, but below the DTSC SLs and/or background concentrations; therefore the 5-foot samples were not analyzed.

TPH (Table 2)

Thirty-eight (38) soil samples were collected at depths of approximately 5.5 and 6 feet at locations without soil vapor probes and approximately 6 and 15 feet bgs at locations with soil vapor probes. Only TPH quantified as C_{23} to C_{32} was detected at concentrations exceeding their respective laboratory reporting limit, but below the SFBRWQCB ESL.

VOCs (Table 3)

Thirty-eight (38) soil samples were collected at depths of approximately 5.5 and 6 feet at locations without soil vapor probes and approximately 6 and 15 feet bgs at locations with soil vapor probes. No VOCs were detected at concentrations exceeding their respective laboratory reporting limits.

SVOCs (Table 4)

Eight (8) soil samples were collected at depths of approximately 5.5 and 6 feet. No SVOCs were detected at concentrations exceeding their respective laboratory reporting limits.

PAHs (Table 5)

Seven (7) soil samples were collected at depths of approximately 5.5 feet. No PAHs were detected at concentrations exceeding their respective laboratory reporting limits.

PFAS (Table 8)

Fourteen (14) soil samples were collected at depths of approximately 3, 3.5 and 6 feet. There were twelve PFAS analytes that were detected in one or more samples at concentrations exceeding their respective laboratory reporting limits. PFOS was detected in one sample (62-5-1-SO-3) which exceeds the SFRWQCB ESL but is below the USEPA RSL.

5.2.3 Parcel 68

Analytical results for soil samples collected within Parcel 68 are summarized below.

Metals (Table 1)

Nineteen (19) soil samples were collected at depths of approximately 1 and 5 feet. The 5-foot samples were placed on laboratory hold pending results of the 1-foot samples. Various metals were detected at concentrations exceeding their respective laboratory reporting limits, but below the DTSC SLs and/or background concentrations; therefore the 5-foot samples were not analyzed.

TPH (Table 2)

Twenty (20) soil samples were collected at depths of approximately 1, 5.5, and 6 feet. Only TPH quantified as C_{23} to C_{32} was detected at concentrations exceeding their respective laboratory reporting limit, but below the SFBRWQCB ESL.

VOCs (Table 3)

Nineteen (19) soil samples were collected at depths of approximately 5.5 and 6 feet. Only chloroethane was detected at a concentration exceeding its respective laboratory reporting limit, but below the DTSC SL.

PAHs (Table 5)

Nine (9) soil samples were collected at depths of approximately 5.5 feet. No PAHs were detected at concentrations exceeding their respective laboratory reporting limits.

PCBs (Table 6)

Four (4) soil samples were collected at depths of approximately 1-foot. No PCBs were detected at concentrations exceeding their respective laboratory reporting limits.

PFAS (Table 8)

Four (4) soil samples were collected at depths of approximately 3 and 6 feet. There were thirteen PFAS analytes that were detected in one or more samples at concentrations exceeding their respective laboratory reporting limits. PFOS was detected in one sample (68-12-1-3) which exceeds the SFRWQCB ESL but is below the USEPA RSL. PFOA was detected in two samples (68-12-2-3, 68-12-2-6) which exceed the SFRWQCB ESL but are below the USEPA RSL.

5.3 Soil Vapor Analytical Results

Between 18 and 21 April 2022, 46 primary and four replicate soil vapor samples were collected from the 23 soil vapor probe locations. Soil vapor sample analytical results for VOCs are presented in Table 9. The leak check compound (1,1-DFA) for this sampling event was not reported above the laboratory reporting limit of each respective sample. The laboratory analytical report for soil vapor samples is included in Appendix D.

The soil vapor analytical results were evaluated by comparing the reported concentrations to risk-based screening levels (SLs) for commercial/industrial buildings. Screening levels for soil vapor were developed by applying an attenuation factor (AF) to published screening levels for indoor air:

$$\text{Soil Vapor Screening Level } (SL_{sv}) = \frac{SL_{ia}}{\alpha}$$

Where:

SLsv	=	Soil vapor screening level (µg/m^3)
SLia	=	Indoor air screening level (µg/m^3)
α	=	Attenuation factor (unitless)

For this evaluation, SLs for commercial/industrial indoor air published by USEPA (2022) and endorsed or modified by DTSC (2022) were selected as the indoor air screening levels. The soil vapor SLs were calculated using the default soil vapor AF published by DTSC for future residential buildings of 0.001 and future commercial/industrial buildings of 0.0005. These soil vapor screening levels are referred to as "residential DTSC AF SLs" or "commercial/industrial DTSC AF SLs" herein. DTSC frequently considers soil vapor data with respect to the DTSC AF to evaluate if vapor intrusion mitigation measures are required at existing buildings. In addition, soil vapor SLs were calculated using the default soil vapor AF published by USEPA for existing and future buildings of 0.03. These soil vapor screening levels are referred to as "USEPA AF SLs" herein. DTSC considers the USEPA AF SL for initial screening evaluations at existing and future buildings to determine if additional sampling or evaluation is warranted. Soil vapor SLs calculated using attenuation factors are included in Table 9. The reported concentrations of detected VOCs in soil vapor samples are shown in data boxes on Figure 11, and the total VOC concentrations in soil vapor at depths of 5- and 15-feet are presented on Figures 12 and 13, respectively.

5.3.1 Parcels 61 and 63

Analytical results for soil vapor samples collected within Parcel 61 (including AOCs 61W, 61C, and 61S) and Parcel 63 are summarized below.

Soil Vapor: VOCs (Table 9)

Thirty-seven (37) soil vapor samples were collected from approximately 5 and 15 feet bgs. Tetrachloroethene (PCE), TCE, 1,1-Dichloroethene (1,1-DCE), carbon tetrachloride, chloroform, and toluene were detected in one or more samples at concentrations exceeding their respective laboratory reporting limits. With the exception of TCE and chloroform, all detected analyte concentrations were below either their respective residential or commercial/industrial USEPA AF SL or the residential and commercial/industrial DTSC AF SL.

5.3.2 Parcel 62

Analytical results for soil vapor samples collected within Parcel 62 are summarized below.

Soil Vapor: VOCs (Table 9)

Thirteen (13) soil vapor samples were collected from approximately 5 and 15 feet bgs. Trichloroethene (TCE), and 1,1-Dichloroethene (1,1-DCE) were detected in one sample (SV-2-15) at concentrations exceeding their respective laboratory reporting limits. However, both of the detected VOC concentrations were below their respective residential DTSC AF SL. The detected TCE concentration exceeded its residential USEPA AF SL. However, both of the

detected analyte concentrations were below their commercial/industrial DTSC AF SL and their commercial/industrial USEPA AF SL.

5.4 Data Quality Summary

Field quality assurance/quality control (QA/QC) samples during soil sampling activities consisted of the collection of daily equipment blanks and trip blanks. Equipment blanks were collected by pouring laboratory-provided deionized water over the drill bit at the end of each day after decontamination. On days where soil samples were collected for PFAS analysis, equipment blanks were collected by pouring laboratory-provided PFAS-free deionized water. Trip blanks were provided and prefilled by the laboratory with deionized water in 40 mL Terra Core VOA vials containing 5 mL preserved with hydrochloric acid. Both equipment blanks and trip blanks were placed on hold pending analytical results.

One temperature blank was included in each cooler sent to the laboratory along with the collected soil samples to document the temperature of samples in the cooler upon arrival at the laboratory.

Field QA/QC samples during soil vapor sampling activities consisted of the collection and analysis of four replicate samples at 61W-1-7-15, 62-9-1-5, SV-1-15, and SV-19-5, and a material blank. The replicate sample results were within the laboratory acceptance criteria. The material blank (EB-2022-0418) was collected by sampling ambient air through the materials used to construct sample probes (i.e., probe tip and tubing). The material blank result was non-detect for all VOCs analyzed. The field and laboratory quality control results indicate that the sampling and analyses performed in generating the data for soil and soil vapor were consistent with the analytical methods and provided data suitable for project objectives. Overall, the data generated during sampling are acceptable, are suitable for use in assessing subsurface soil conditions at the Site and can be used for decision-making purposes.

6.0 SUMMARY AND CONCLUSIONS

GSI has conducted this Phase II ESA to investigate soil and soil vapor conditions at the Site based on the RECs identified in the Phase I ESA. This investigation was also performed to establish a baseline understanding of the existing subsurface conditions and potential risk to human health in the proposed structures in the planned land lease and redevelopment of the Site.

Soil

- SVOCs, PCBs and chlorinated herbicides were not detected above laboratory reporting limits.
- Metals, TPH, VOCs, PAHs, and OCPs were detected above laboratory reporting limits but below their respective commercial/industrial DTSC SLs and SFBRWQCB ESLs. Detected VOC concentrations in soil are presented in databoxes on Figures 3-7.
- One or more per- and polyfluoroalkyl substances (PFAS) analytes were detected in eighteen of the 28 samples analyzed at a concentration above their respective laboratory reporting limits. The PFAS detections were identified in the vicinity of the Guardian Jet Center and southern hangar buildings, and the historical fire house building adjacent to the former national guard hangar (Figures 8, 9, and 10). Four of the 18 samples had reported concentrations that exceeded their respective screening levels (SFBRWQCB ESL) for PFOS and PFOA.

Soil Vapor

- TCE and chloroform were the only two VOC constituents with concentrations exceeding commercial/industrial USEPA AF SLs and only TCE exceeded the commercial/industrial DTSC AF SL. TCE soil vapors exceeded the commercial/industrial USEPA AF SL in 13 samples and exceeded the commercial/industrial DTSC AF SL in four samples. All TCE exceedances were either within the General Electric leasehold building, also identified as Hangar 4, or within the proposed western building footprint (Figures 11, 12, and 13).

Based on the results obtained during this investigation, a soil management plan (SMP) is recommended to be prepared and implemented prior to and during planned Site redevelopment where soils will be disturbed. Due to the known presence of PFAS-impacted materials where AFFF is currently stored and may have been used, special attention should be made to demolition materials including concrete, fire suppression system tanks and associated piping, drains and drainage piping, and clarifiers within the northern and southern Guardian Jet Center hangars, and historical fire house associated with the former National Guard Facility. Additionally, addressing PFAS-impacted soils underlying these features and structures should be included in the SMP. Although PFAS is not currently regulated under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) as a hazardous waste and PFAS analyte concentrations were below established USEPA RSLs, caution should be taken when handling materials and soils contaminated with PFAS due to their human health risks, which are still being developed/assessed by regulatory authorities. The USEPA on August 26, 2022, released a proposed rule designating two PFAS analytes – PFOA and PFOS as “hazardous substances” under CERCLA. The proposed rule is currently out for public comment and the USEPA may list additional PFAS as hazardous substances. This will result in substantial disposal costs if the PFAS-impacted materials are disturbed/excavated during proposed Site redevelopment. Additionally, if redevelopment plans allow implementation of engineering controls (capping PFAS-impacted materials/soil), such an approach would be a more feasible and cost-effective alternative, compared to excavation and disposal. If planned redevelopment includes disturbing materials/soil in this area, additional soil sampling may be warranted to delineate the extent of PFAS impacts, enabling segregation and proper disposal during redevelopment and implementation of the SMP.

Additionally, based on the results obtained during this investigation, installation of a vapor intrusion mitigation system (VIM system) is recommended as part of the proposed western building footprint, due to potential vapor intrusion from the subsurface into the future building. Alternatively, a soil vapor extraction remediation system could be utilized to reduce TCE and chloroform vapor concentrations through removal of VOCs in the area of the proposed western building footprint (as part of the Phase 2 construction/development plans).

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PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

TABLES

Table 1. Metals in Soil
Table 2. Total Petroleum Hydrocarbons (TPH) in Soil
Table 3. Volatile Organic Compounds (VOCs) in Soil
Table 4. Semi-Volatile Organic Compounds (SVOCs) in Soil
Table 5. Polycyclic Aromatic Hydrocarbons (PAHs) in Soil
Table 6. Polychlorinated Biphenyls (PCBs) in Soil
Table 7. Organochlorine Pesticides (OCPs) and Chlorinated Herbicides in Soil
Table 8. Per- and Polyfluoroalkyl Substances (PFAS) in Soil
Table 9. Volatile Organic Compounds (VOCs) in Soil Vapor

GSI ENVIRONMENTAL

TABLE 1: METALS IN SOIL
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
61W	1	61W-1-1	61W-1-1-1	1	3/4/2022	mg/kg	<2.0	<1.0	70	1.6	<1.0	11	4.1	7.9	4.0	<0.10	<1.0	4.6	<1.0	2.8	<1.0	23	33
		61W-1-2	61W-1-2-1	1	3/4/2022	mg/kg	<2.0	<1.0	72	1.5	<1.0	11	4.1	8.0	3.5	<0.10	<1.0	4.5	<1.0	2.7	<1.0	22	31
		61W-1-3	61W-1-3-1	1	3/4/2022	mg/kg	<2.0	<1.0	70	1.7	<1.0	11	4.4	10	4.1	<0.10	<1.0	4.8	<1.0	3.1	<1.0	22	34
		61W-1-4	61W-1-4-1	1	3/4/2022	mg/kg	<2.0	<1.0	91	2.4	<1.0	14	5.1	10	3.9	<0.10	<1.0	5.9	3.1	4.8	<1.0	30	38
		61W-1-5	61W-1-5-1	1	3/4/2022	mg/kg	<2.0	<1.0	92	2.7	<1.0	15	5.9	12	3.5	<0.10	<1.0	6.4	1.8	5.4	<1.0	34	40
		61W-1-6	61W-1-6-1	1	3/18/2022	mg/kg	<2.0	<1.0	69	1.8	<1.0	10	3.5	9.7	2.9	0.19	<1.0	4.7	<1.0	3.9	<1.0	21	30
		61W-1-7	61W-1-7-1	1	3/4/2022	mg/kg	<2.0	<1.0	79	2.2	<1.0	12	4.5	11	3.9	<0.10	<1.0	6.0	<1.0	4.2	<1.0	27	120
		61W-1-8	61W-1-8-1	1	3/4/2022	mg/kg	<2.0	<1.0	80	2.4	<1.0	13	4.8	9.5	3.6	<0.10	<1.0	5.5	1.6	4.8	<1.0	29	35
		61W-1-9	61W-1-9-1	1	3/18/2022	mg/kg	<2.0	<1.0	74	2.0	<1.0	12	3.9	8.3	3.2	0.20	<1.0	5.4	<1.0	4.4	<1.0	25	33
		61W-1-10	61W-1-10-1	1	3/18/2022	mg/kg	<2.0	<1.0	80	2.3	<1.0	13	4.3	8.7	3.8	0.17	<1.0	5.8	<1.0	5.0	<1.0	27	36
		61W-1-11	61W-1-11-1	1	3/18/2022	mg/kg	<2.0	<1.0	72	2.1	<1.0	12	4.0	7.8	3.7	0.10	<1.0	5.3	<1.0	4.6	<1.0	25	33
	8	61W-8-1	61W-8-1-1	1	3/18/2022	mg/kg	<2.0	<1.0	100	2.7	<1.0	20	5.1	11	2.6	0.23	<1.0	6.5	<1.0	6.0	<1.0	29	37
	10	61W-10-1	61W-10-1-1	1	3/11/2022	mg/kg	<2.0	1.3	85	2.4	<1.0	14	5.2	9.2	6.1	<0.10	<1.0	6.2	<1.0	5.3	<1.0	31	41
		61W-10-2	61W-10-2-1	1	3/11/2022	mg/kg	<2.0	1.6	90	2.5	<1.0	14	5.4	10	6.2	<0.10	<1.0	6.4	<1.0	5.7	<1.0	32	40
	17A	61W-17A-1	61W-17A-1-1	1	3/21/2022	mg/kg	<2.0	1.6	140	3.3	<1.0	18	6.7	16	3.5	<0.10	<1.0	8.0	2.6	7.1	<1.0	32	50
			61W-17A-1-10	10	3/21/2022	mg/kg	<2.0	2.0	110	2.8	<1.0	17	5.1	13	3.9	<0.10	1.9	5.5	2.3	5.9	<1.0	26	39
		61W-17A-2	61W-17A-2-1	1	3/21/2022	mg/kg	<2.0	2.0	100	2.7	<1.0	14	5.0	12	3.6	<0.10	<1.0	5.9	2.8	5.7	<1.0	27	40
		61W-17A-3	61W-17A-3-1	1	3/21/2022	mg/kg	<2.0	2.7	120	2.8	<1.0	16	5.7	17	6.9	<0.10	<1.0	7.2	2.5	6.1	<1.0	30	53
		61W-17A-4	61W-17A-4-1	1	3/21/2022	mg/kg	<2.0	2.7	120	3.2	<1.0	17	6.1	13	3.8	<0.10	<1.0	6.4	2.5	6.7	<1.0	33	40
		61W-17A-5	61W-17A-5-1	1	3/21/2022	mg/kg	<2.0	1.1	110	2.5	<1.0	14	5.1	12	2.8	<0.10	<1.0	6.2	2.9	5.4	<1.0	26	39
		61W-17A-6	61W-17A-6-1	1	3/21/2022	mg/kg	<2.0	1.7	84	2.4	<1.0	12	4.4	7.5	2.8	<0.10	<1.0	5.5	2.4	5.1	<1.0	23	34
		61W-17A-7	61W-17A-7-1	1	3/21/2022	mg/kg	<2.0	2.1	100	2.8	<1.0	15	6.8	10	3.2	<0.10	<1.0	6.5	2.5	5.9	<1.0	28	36
		61W-17A-8	61W-17A-8-1	1	3/21/2022	mg/kg	<2.0	1.8	78	2.3	<1.0	12	4.2	8.1	3.3	<0.10	<1.0	5.5	2.4	4.6	<1.0	22	32
	23	61W-23-1	61W-23-1-1	1	3/18/2022	mg/kg	<2.0	<1.0	97	2.5	<1.0	15	4.9	18	31	0.19	<1.0	6.4	<1.0	5.6	<1.0	31	46
		61W-23-2	61W-23-2-1	1	3/18/2022	mg/kg	<2.0	<1.0	84	2.2	<1.0	12	4.2	9.3	3.1	0.20	<1.0	5.5	<1.0	4.7	<1.0	26	35
		61W-23-3	61W-23-3-1	1	3/18/2022	mg/kg	<2.0	<1.0	69	1.9	<1.0	11	3.4	7.2	3.0	0.18	<1.0	4.6	<1.0	4.1	<1.0	22	30
	24	61W-24-2	61W-24-2-1	1	3/11/2022	mg/kg	<2.0	1.3	95	2.6	<1.0	13	5.2	8.8	4.3	<0.10	<1.0	6.0	<1.0	5.6	<1.0	32	41
		61W-24-3	61W-24-3-1	1	3/11/2022	mg/kg	<2.0	<1.0	110	2.9	<1.0	14	5.8	11	2.1	<0.10	<1.0	6.6	<1.0	6.4	<1.0	34	39
		61W-24-4	61W-24-4-1	1	3/11/2022	mg/kg	<2.0	<1.0	110	2.9	<1.0	15	6.2	11	2.9	<0.10	<1.0	7.0	<1.0	6.4	<1.0	35	42
		61W-24-5	61W-24-5-1	1	3/11/2022	mg/kg	<2.0	<1.0	120	3.0	<1.0	16	6.4	11	3.0	<0.10	<1.0	7.3	<1.0	6.8	<1.0	37	42
		61W-24-6	61W-24-6-1	1	3/11/2022	mg/kg	<2.0	<1.0	100	2.7	<1.0	14	5.6	11	2.5	<0.10	<1.0	6.4	<1.0	5.7	<1.0	33	38
	26	61W-26-1	61W-26-1-1	1	3/11/2022	mg/kg	<2.0	<1.0	100	2.7	<1.0	15	5.5	11	2.7	0.21	<1.0	6.6	<1.0	5.8	<1.0	31	38
	29	61W-29-1	61W-29-1-1	1	3/9/2022	mg/kg	<2.0	<1.0	64	1.7	<1.0	10	3.7	8.3	5.9	<0.10	<1.0	5.5	<1.0	3.6	<1.0	20	33
		61W-29-2	61W-29-2-1	1	3/9/2022	mg/kg	<2.0	<1.0	75	1.7	<1.0	10	4.0	7.0	2.6	<0.10	<1.0	4.3	<1.0	3.7	<1.0	23	31
		61W-29-3	61W-29-3-1	1	3/9/2022	mg/kg	<2.0	<1.0	86	1.9	<1.0	11	4.4	7.3	2.7	<0.10	<1.0	4.8	<1.0	4.1	<1.0	25	33

GSI ENVIRONMENTAL

TABLE 1: METALS IN SOIL
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
61W	30	61W-30-1	61W-30-1-1	1	3/16/2022	mg/kg	<2.0	<1.0	82	2.4	<1.0	14	4.7	9.0	2.6	<0.10	<1.0	10	<1.0	5.3	<1.0	27	34
		61W-30-2	61W-30-2-1	1	3/16/2022	mg/kg	<2.0	<1.0	91	2.5	<1.0	13	4.7	7.7	3.1	<0.10	<1.0	5.8	1.2	5.4	<1.0	28	36
		61W-30-3	61W-30-3-1	1	3/16/2022	mg/kg	<2.0	<1.0	76	2.2	<1.0	12	4.1	8.0	4.7	<0.10	<1.0	5.6	<1.0	4.8	<1.0	27	36
		61W-30-4	61W-30-4-1	1	3/16/2022	mg/kg	<2.0	<1.0	88	2.3	<1.0	14	4.6	9.3	3.5	<0.10	<1.0	6.2	1.2	5.0	<1.0	28	37
		61W-30-5	61W-30-5-1	1	3/16/2022	mg/kg	<2.0	<1.0	91	2.5	<1.0	14	4.8	7.9	3.2	<0.10	<1.0	6.0	<1.0	5.4	<1.0	29	36
		61W-30-6	61W-30-6-1	1	3/15/2022	mg/kg	<2.0	<1.0	100	2.8	<1.0	16	5.8	9.9	2.5	<0.10	<1.0	7.4	2.0	6.0	<1.0	34	45
		61W-30-7	61W-30-7-1	1	3/16/2022	mg/kg	<2.0	<1.0	85	2.4	<1.0	14	4.5	8.7	6.2	<0.10	<1.0	5.9	1.1	5.5	<1.0	27	38
		61W-30-8	61W-30-8-1	1	3/16/2022	mg/kg	<2.0	<1.0	96	2.7	<1.0	17	4.7	8.4	3.6	<0.10	<1.0	16	1.7	6.7	<1.0	29	39
	32	61W-32-1	61W-32-1-1	1	3/15/2022	mg/kg	<2.0	<1.0	130	3.3	<1.0	19	7.0	13	3.2	<0.10	<1.0	8.6	1.1	7.2	<1.0	39	51
		61W-32-2	61W-32-2-1	1	3/15/2022	mg/kg	<2.0	<1.0	120	3.6	<1.0	21	7.6	17	3.5	<0.10	<1.0	9.5	1.6	7.8	<1.0	42	57
		61W-32-3	61W-32-3-1	1	3/15/2022	mg/kg	<2.0	<1.0	130	3.5	<1.0	20	7.6	15	3.1	<0.10	<1.0	9.4	1.9	7.7	<1.0	40	51
		61W-32-4	61W-32-4-1	1	3/15/2022	mg/kg	<2.0	<1.0	120	3.4	<1.0	18	6.5	13	3.0	<0.10	<1.0	8.3	2.3	7.2	<1.0	37	53
		61W-32-5	61W-32-5-1	1	3/15/2022	mg/kg	<2.0	<1.0	140	4.0	<1.0	22	8.4	14	3.4	<0.10	<1.0	10	1.7	8.8	<1.0	44	58
		61W-32-6	61W-32-6-1	1	3/15/2022	mg/kg	<2.0	<1.0	220	5.7	<1.0	27	13	25	5.3	<0.10	<1.0	14	1.3	13	<1.0	60	66
		61W-32-7	61W-32-7-1	1	3/15/2022	mg/kg	<2.0	<1.0	150	3.7	<1.0	21	8.0	14	3.5	<0.10	<1.0	9.3	1.4	8.1	<1.0	42	50
		61W-32-8	61W-32-8-1	1	3/17/2022	mg/kg	<2.0	<1.0	97	2.5	<1.0	14	4.9	9.9	2.4	<0.10	<1.0	6.0	1.0	5.3	<1.0	27	34
		61W-32-9	61W-32-9-1	1	3/17/2022	mg/kg	<2.0	<1.0	91	2.3	<1.0	13	4.8	10	2.4	<0.10	<1.0	6.0	<1.0	5.1	<1.0	26	34
		61W-32-10	61W-32-10-1	1	3/17/2022	mg/kg	<2.0	<1.0	100	2.6	<1.0	15	5.4	10	2.8	<0.10	<1.0	6.7	1.0	5.9	<1.0	29	37
	37	61W-37-1	61W-37-1-1	1	3/10/2022	mg/kg	<2.0	<1.0	76	2.3	<1.0	13	5.0	10	3.2	<0.10	<1.0	6.2	1.2	5.0	<1.0	26	37
		61W-37-2	61W-37-2-1	1	3/10/2022	mg/kg	<2.0	3.8	70	2.0	<1.0	10	4.1	8.0	2.3	<0.10	<1.0	4.7	<1.0	4.3	<1.0	24	31
	38	61W-38-1	61W-38-1-1	1	3/10/2022	mg/kg	<2.0	<1.0	93	2.4	<1.0	12	5.1	8.9	2.2	<0.10	<1.0	5.4	1.5	5.2	<1.0	28	35
		61W-38-2	61W-38-2-1	1	3/10/2022	mg/kg	<2.0	<1.0	96	2.4	<1.0	12	5.3	10	2.2	<0.10	<1.0	5.7	1.2	5.2	<1.0	28	38
	39	61W-39-1	61W-39-1-1	1	3/10/2022	mg/kg	<2.0	<1.0	130	3.3	<1.0	17	5.5	13	3.1	<0.10	<1.0	7.2	<1.0	7.4	<1.0	37	45
		61W-39-2	61W-39-2-1	1	3/10/2022	mg/kg	<2.0	<1.0	81	2.1	<1.0	11	3.9	8.7	2.2	<0.10	<1.0	4.9	<1.0	4.6	<1.0	26	31
		61W-39-3	61W-39-3-1	1	3/10/2022	mg/kg	<2.0	<1.0	71	1.9	<1.0	9.9	3.6	8.3	2.1	<0.10	<1.0	4.6	<1.0	4.1	<1.0	23	28
	40	61W-40-1	61W-40-1-1	1	3/9/2022	mg/kg	<2.0	<1.0	76	1.9	<1.0	10	4.2	7.5	1.7	<0.10	<1.0	4.4	1.4	4.1	<1.0	22	29
	41	61W-41-1	61W-41-1-1	1	3/9/2022	mg/kg	<2.0	<1.0	77	2.1	<1.0	11	4.6	7.8	2.0	<0.10	<1.0	5.0	1.1	4.4	<1.0	25	30
		61W-41-2	61W-41-2-1	1	3/9/2022	mg/kg	<2.0	<1.0	92	2.1	<1.0	12	4.8	10	2.3	<0.10	<1.0	5.1	<1.0	4.6	<1.0	27	36
	42	61W-42-1	61W-42-1-1	1	3/9/2022	mg/kg	<2.0	<1.0	84	2.0	<1.0	11	4.5	8.2	2.1	<0.10	<1.0	4.9	1.5	4.3	<1.0	25	31
	43	61W-43-1	61W-43-1-1	1	3/21/2022	mg/kg	<2.0	<1.0	93	1.9	<1.0	12	4.6	9.4	2.4	<0.10	<1.0	5.2	2.0	3.8	<1.0	19	32
		61W-43-2	61W-43-2-1	1	3/23/2022	mg/kg	39	<1.0	100	2.0	<1.0	14	5.1	12	2.5	<0.10	<1.0	9.8	1.3	<1.0	<1.0	24	37
	44	61W-44	61W-44-1	1	3/17/2022	mg/kg	<2.0	<1.0	93	2.4	<1.0	14	4.8	10	3.3	<0.10	<1.0	6.1	<1.0	5.2	<1.0	27	36
61C	4	61C-4-1	61C-4-1-1	1	2/23/2022	mg/kg	<2.0	<1.0	60	2.3	<1.0	46	5.2	9.9	10	<0.10	<1.0	13	<1.0	4.5	<1.0	32	130
		61C-4-2	61C-4-2-1.5	1.5	2/23/2022	mg/kg	<2.0	<1.0	86	2.5	<1.0	13	5.3	8.3	2.4	<0.10	<1.0	5.7	<1.0	5.0	<1.0	31	33
		61C-4-3	61C-4-3-1	1	2/23/2022	mg/kg	<2.0	<1.0	95	2.9	<1.0	15	5.4	9.5	2.5	<0.10	<1.0	6.4	<1.0	5.8	<1.0	34	36
		61C-4-4	61C-4-4-1	1	2/23/2022	mg/kg	<2.0	<1.0	110	3.0	<1.0	16	6.2	11	2.8	<0.10	<1.0	7.2	<1.0	5.9	<1.0	36	41
		61C-4-5	61C-4-5-1	1	2/23/2022	mg/kg	<2.0	<1.0	98	3.0	<1.0	16	7.3	12	2.8	<0.10	<1.0	7.3	<1.0	5.8	<1.0	35	46
	8	61C-8-1	61C-8-1-1	1	2/23/2022	mg/kg	<2.0	<1.0	86	2.5	<1.0	16	5.2	10	3.1	<0.10	<1.0	6.1	<1.0	5.1	<1.0	31	52
		61C-8-2	61C-8-2-1	1	2/23/2022	mg/kg	<2.0	<1.0	91	2.8	<1.0	23	5.5	9.4	3.3	<0.10	<1.0	6.5	<1.0	5.6	<1.0	33	37
		61C-8-3	61C-8-3-1	1	2/24/2022	mg/kg	<2.0	<1.0	82	2.7	<1.0	13	4.8	12	2.3	<0.10	<1.0	5.1	1.4	5.4	<1.0	33	32
		61C-8-4	61C-8-4-1	1	2/24/2022	mg/kg	<2.0	<1.0	100	3.4	<1.0	22	6.0	11	2.7	<0.10	<1.0	6.3	2.1	7.0	<1.0	39	80
		61C-8-5	61C-8-5-1	1	2/24/2022	mg/kg	<2.0	<1.0	91	3.0	<1.0	15	5.2	10	2.2	<0.10	<1.0	5.7	<1.0	6.1	<1.0	33	35
		61C-8-6-SV10	61C-8-6-SV10-1	1	2/24/2022	mg/kg	<2.0	<1.0	74	2.4	<1.0	13	4.4	8.6	2.7	<0.10	<1.0	5.0	1.2	4.8	<1.0	30	29

GSI ENVIRONMENTAL

TABLE 1: METALS IN SOIL
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
62	2	62-2-1	62-2-1-1	1	3/1/2022	mg/kg	<2.0	<1.0	86	2.7	<1.0	15	5.2	11	4.1	<0.10	<1.0	6.8	<1.0	5.1	<1.0	39	36
		62-2-2	62-2-2-1	1	3/2/2022	mg/kg	<2.0	<1.0	77	2.4	<1.0	13	4.7	9.2	4.7	<0.10	<1.0	4.7	<1.0	4.9	<1.0	29	33
		62-2-3	62-2-3-1	1	3/1/2022	mg/kg	<2.0	<1.0	83	2.5	<1.0	14	4.8	11	4.7	<0.10	<1.0	7.1	2.3	4.9	<1.0	30	34
		62-2-4	62-2-4-1	1	3/2/2022	mg/kg	<2.0	<1.0	76	2.5	<1.0	14	5.1	9.7	4.1	<0.10	<1.0	5.0	<1.0	5.1	<1.0	31	34
	5	62-5-1	62-5-1-1	1	2/25/2022	mg/kg	<2.0	<1.0	73	2.3	<1.0	13	5.1	9.2	4.4	<0.10	<1.0	5.2	<1.0	4.6	<1.0	30	33
		62-5-2	62-5-2-1	1	2/25/2022	mg/kg	<2.0	<1.0	69	2.6	<1.0	14	4.8	10	4.6	<0.10	<1.0	6.7	1.3	5.3	<1.0	31	37
		62-5-3	62-5-3-1	1	2/25/2022	mg/kg	<2.0	<1.0	69	2.2	<1.0	14	4.2	10	4.1	<0.10	<1.0	6.5	1.7	4.2	<1.0	28	32
		62-5-4	62-5-4-1	1	2/25/2022	mg/kg	<2.0	<1.0	55	1.9	<1.0	11	3.6	11	3.5	<0.10	<1.0	5.5	1.0	3.7	<1.0	24	27
		62-5-5	62-5-5-1	1	2/25/2022	mg/kg	<2.0	<1.0	61	2.0	<1.0	11	3.8	8.8	3.4	<0.10	<1.0	5.7	1.2	3.9	<1.0	25	27
		62-5-6	62-5-6-1	1	2/25/2022	mg/kg	<2.0	<1.0	78	2.3	<1.0	14	4.5	11	4.1	<0.10	<1.0	6.6	2.1	4.5	<1.0	29	33
	8	62-8-1	62-8-1-1	1	2/28/2022	mg/kg	<2.0	<1.0	68	3.0	<1.0	14	4.6	8.8	3.1	<0.10	<1.0	4.9	1.5	5.9	<1.0	33	31
		62-8-2	62-8-2-1	1	2/28/2022	mg/kg	<2.0	<1.0	73	2.7	<1.0	12	4.5	8.5	2.9	<0.10	<1.0	4.7	1.4	5.3	<1.0	28	29
		62-8-3	62-8-3-1	1	2/28/2022	mg/kg	<2.0	<1.0	79	3.0	<1.0	13	5.1	9.1	2.9	<0.10	<1.0	5.2	2.5	5.9	<1.0	31	32
		62-8-4	62-8-4-1	1	2/28/2022	mg/kg	<2.0	<1.0	90	3.2	<1.0	16	5.7	11	3.2	<0.10	<1.0	6.0	1.6	6.4	<1.0	35	34
		62-8-5	62-8-5-1	1	2/28/2022	mg/kg	<2.0	<1.0	78	2.8	<1.0	13	4.7	9.2	2.8	0.11	<1.0	5.0	1.0	5.5	<1.0	30	31
		62-8-6	62-8-6-1	1	2/28/2022	mg/kg	<2.0	<1.0	82	3.1	<1.0	15	5.2	10	3.0	<0.10	<1.0	5.6	1.5	6.1	<1.0	33	34
	9	62-9-1	62-9-1-1	1	3/1/2022	mg/kg	<2.0	<1.0	110	3.4	<1.0	17	5.1	12	3.4	<0.10	<1.0	6.6	1.9	6.7	<1.0	39	43
		62-9-2	62-9-2-1	1	3/1/2022	mg/kg	<2.0	<1.0	87	2.6	<1.0	16	5.2	10	5.0	<0.10	<1.0	8.1	2.5	5.1	<1.0	33	37
		62-9-3	62-9-3-1	1	3/1/2022	mg/kg	<2.0	<1.0	90	2.7	<1.0	16	5.3	10	5.2	<0.10	<1.0	6.8	2.9	5.4	<1.0	34	41
		62-9-4	62-9-4-1	1	3/1/2022	mg/kg	<2.0	<1.0	97	3.2	<1.0	16	5.5	11	3.5	<0.10	<1.0	6.8	2.7	6.3	<1.0	36	40
	13	62-13-1	62-13-1-1	1	3/14/2022	mg/kg	<2.0	<1.0	120	2.9	<1.0	17	6.2	11	2.9	<0.10	<1.0	7.3	<1.0	6.2	<1.0	35	44
		62-13-2	62-13-2-1	1	3/14/2022	mg/kg	<2.0	<1.0	130	2.8	<1.0	18	6.5	12	2.9	<0.10	<1.0	7.7	<1.0	6.0	<1.0	36	45
		62-13-3	62-13-3-1	1	3/14/2022	mg/kg	<2.0	<1.0	110	2.8	<1.0	16	6.1	14	2.7	<0.10	<1.0	7.0	<1.0	6.1	<1.0	33	42
		62-13-4	62-13-4-1	1	3/14/2022	mg/kg	<2.0	<1.0	120	2.8	<1.0	17	6.1	12	2.9	<0.10	<1.0	7.3	<1.0	6.1	<1.0	35	42
		62-13-5	62-13-5-1	1	3/14/2022	mg/kg	<2.0	<1.0	96	2.1	<1.0	13	4.7	9.8	2.2	<0.10	<1.0	5.7	<1.0	4.5	<1.0	26	34
		62-13-6	62-13-6-1	1	3/14/2022	mg/kg	<2.0	<1.0	110	2.3	<1.0	15	5.5	9.9	2.6	<0.10	<1.0	6.5	<1.0	5.1	<1.0	30	38
		62-13-7	62-13-7-1	1	3/14/2022	mg/kg	<2.0	<1.0	120	2.6	<1.0	16	5.7	11	2.8	<0.10	<1.0	6.8	<1.0	5.7	<1.0	33	41
68	2	68-2-1	68-2-1-1	1	3/2/2022	mg/kg	<2.0	<1.0	84	2.6	<1.0	15	4.9	10	2.9	<0.10	<1.0	4.4	<1.0	5.2	<1.0	31	33
		68-2-2	68-2-2-1	1	3/2/2022	mg/kg	<2.0	<1.0	110	3.1	<1.0	16	6.3	13	12	<0.10	<1.0	5.5	<1.0	6.4	<1.0	37	54
		68-2-3	68-2-3-1	1	3/3/2022	mg/kg	<2.0	<1.0	99	2.7	<1.0	17	5.8	11	5.2	--	<1.0	5.2	<1.0	5.1	<1.0	33	43
	6	68-6-1	68-6-1-1	1	3/7/2022	mg/kg	<2.0	<1.0	110	3.0	<1.0	17	6.3	14	3.2	<0.10	<1.0	7.4	1.1	5.9	<1.0	36	41
		68-6-2	68-6-2-1	1	3/7/2022	mg/kg	<2.0	<1.0	110	3.1	<1.0	17	6.5	13	3.6	<0.10	<1.0	7.2	1.7	6.2	<1.0	37	43
	7	68-7-1	68-7-1-1	1	3/7/2022	mg/kg	<2.0	<1.0	69	1.9	<1.0	11	4.6	8.9	2.6	<0.10	<1.0	5.0	<1.0	3.7	<1.0	24	29
		68-7-2	68-7-2-1	1	3/7/2022	mg/kg	<2.0	<1.0	120	3.3	<1.0	18	7.2	16	4.1	<0.10	<1.0	8.4	2.4	6.6	<1.0	39	46
	12	68-12-1	68-12-1-1	1	3/2/2022	mg/kg	<2.0	<1.0	68	2.1	<1.0	10	4.0	8.4	1.9	<0.10	<1.0	3.5	<1.0	8.3	<1.0	24	26
		68-12-2	68-12-2-1	1	3/2/2022	mg/kg	8.4	3.4	52	1.7	<1.0	13	3.3	62	87	<0.10	<1.0	6.0	<1.0	<1.0	<1.0	23	99
	17	68-17-1	68-17-1-1	1	3/8/2022	mg/kg	<2.0	<1.0	93	2.0	<1.0	13	5.2	11	3.1	<0.10	<1.0	5.6	2.4	4.0	<1.0	28	46
		68-17-2	68-17-2-1	1	3/8/2022	mg/kg	<2.0	<1.0	100	2.3	<1.0	15	5.5	12	3.3	<0.10	<1.0	5.9	2.3	4.4	<1.0	31	52
		68-17-3	68-17-3-1	1	3/8/2022	mg/kg	<2.0	<1.0	83	1.9	<1.0	12	4.7	10	2.5	<0.10	<1.0	5.2	<1.0	3.7	<1.0	26	35
	20	68-20-1	68-20-1-1	1	3/3/2022	mg/kg	<2.0	<1.0	82	2.4	<1.0	13	5.3	9.3	3.7	--	<1.0	4.4	<1.0	4.9	<1.0	29	34
		68-20-2	68-20-2-1	1	3/7/2022	mg/kg	<2.0	<1.0	85	2.4	<1.0	13	4.5	13	5.2	<0.10	<1.0	5.7	1.4	4.8	<1.0	28	34
		68-20-3	68-20-3-1	1	3/7/2022	mg/kg	<2.0	<1.0	84	2.3	<1.0	12	4.6	12	2.6	<0.10	<1.0	5.4	<1.0	4.8	<1.0	28	31
	22-1	68-22-1-1	68-22-1-1-1	1	3/8/2022	mg/kg	<2.0	<1.0	110	2.5	<1.0	17	6.3	13	4.7	<0.10	<1.0	6.3	1.9	5.0	<1.0	33	49
		68-22-1-2	68-22-1-2-1	1	3/8/2022	mg/kg	<2.0	<1.0	110	2.1	<1.0	15	5.7	12	3.8	<0.10	<1.0	6.4	1.8	3.9	<1.0	30	39
	22-Shed1	68-22-Shed 1-1	68-22-Shed 1-1-1	1	3/8/2022	mg/kg	<2.0	<1.0	110	2.5	<1.0	15	5.9	12	2.8	<0.10	<1.0	5.7	2.7	4.8	<1.0	32	38
		68-22-Shed1-2	68-22-Shed1-2-1	1	3/10/2022	mg/kg	<2.0	<1.0	86	2.2	<1.0	11	4.6	8.6	2.1	<0.10	<1.0	5.2	1.1	5.0	<1.0	26	34

GSI ENVIRONMENTAL

TABLE 1: METALS IN SOIL
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Proposed Bulding Footprint (61W, 61C, 62, and 63)	SVs	SV-1	SV-1-1	1	3/23/2022	mg/kg	38	<1.0	99	2.1	<1.0	14	4.8	9.0	2.4	<0.10	<1.0	9.2	1.2	<1.0	<1.0	22	36
		SV-2	SV-2-1	1	3/17/2022	mg/kg	<2.0	<1.0	120	3.2	<1.0	18	6.3	13	2.9	<0.10	<1.0	7.9	1.1	7.0	<1.0	34	43
		SV-3	SV-3-1	1	2/24/2022	mg/kg	<2.0	<1.0	85	2.6	<1.0	14	4.8	10	2.2	<0.10	<1.0	5.6	2.7	5.1	<1.0	32	84
		SV-4	SV-4-1	1	3/23/2022	mg/kg	30	<1.0	83	1.6	<1.0	10	3.9	7.7	3.5	<0.10	<1.0	8.3	1.8	<1.0	<1.0	19	33
		SV-5	SV-5-1	1	3/17/2022	mg/kg	<2.0	<1.0	95	2.4	<1.0	14	4.6	10	2.8	<0.10	<1.0	6.1	<1.0	5.3	<1.0	28	37
		SV-6	SV-6-1	1	3/23/2022	mg/kg	35	<1.0	90	1.8	<1.0	14	4.5	8.2	3.9	<0.10	<1.0	9.2	1.8	<1.0	<1.0	21	39
		SV-7	SV-7-1	1	3/23/2022	mg/kg	34	<1.0	90	1.8	<1.0	12	4.5	8.4	2.5	<0.10	<1.0	9.2	1.3	<1.0	<1.0	22	36
		SV-8	SV-8-1	1	3/17/2022	mg/kg	<2.0	<1.0	86	2.2	<1.0	13	4.3	8.7	2.4	<0.10	<1.0	5.4	<1.0	4.7	<1.0	26	33
		SV-9	SV-9-1	1	2/24/2022	mg/kg	<2.0	<1.0	78	2.5	<1.0	12	4.4	8.8	2.5	<0.10	<1.0	5.5	2.0	4.7	<1.0	30	30
		SV-11	SV-11-1	1	3/3/2022	mg/kg	<2.0	1.6	93	2.5	<1.0	15	5.2	13	2.6	--	<1.0	4.7	<1.0	5.1	<1.0	31	50
		SV-12	SV-12-1	1	3/3/2022	mg/kg	<2.0	<1.0	76	2.2	<1.0	12	4.7	10	3.7	--	<1.0	4.3	<1.0	4.5	<1.0	28	32
		SV-13	SV-13-1	1	3/3/2022	mg/kg	<2.0	<1.0	87	2.5	<1.0	14	5.2	10	2.7	--	<1.0	4.1	<1.0	5.0	<1.0	30	31
		SV-14	SV-14-1	1	3/22/2022	mg/kg	24	<1.0	63	1.3	<1.0	8.9	3.1	6.5	16	1.2	<1.0	6.5	<1.0	<1.0	<1.0	13	33
		SV-15	SV-15-1	1	3/22/2022	mg/kg	36	<1.0	86	2.0	<1.0	12	4.1	8.3	6.0	<0.10	<1.0	9.3	1.8	<1.0	<1.0	22	35
		SV-16	SV-16-1	1	3/22/2022	mg/kg	46	<1.0	110	2.6	<1.0	16	5.4	11	6.2	<0.10	<1.0	9.9	1.5	<1.0	<1.0	28	52
		SV-17	SV-17-1	1	3/22/2022	mg/kg	34	<1.0	84	1.9	<1.0	12	4.1	8.3	2.8	<0.10	<1.0	8.7	1.6	<1.0	<1.0	21	32
		SV-18	SV-18-1	1	3/22/2022	mg/kg	37	<1.0	82	2.1	<1.0	13	4.3	9.4	22	<0.10	<1.0	9.5	1.2	<1.0	<1.0	22	48
		SV-19	SV-19-1	1	3/22/2022	mg/kg	38	<1.0	86	2.2	<1.0	14	4.8	8.9	8.9	<0.10	<1.0	11	1.4	<1.0	<1.0	23	43
					Maximum Concentration	**mg/kg**	**46**	**3.8**	**220**	**5.7**	**ND**	**46**	**13**	**62**	**87**	**1.2**	**1.9**	**16**	**3.1**	**13**	**ND**	**60**	**130**
Soil Screening Levels																							
Commerical/Industsrial Land Use																							
					DTSC-SL[1,2,3]	mg/kg	470	0.36	220,000	230	79	1,800,000	350	47,000	500	4.4	5,800	11,000	5,800	5,800	12	5,800	350,000
Background Concentrations [4,5,6]						mg/kg	1.95	12	1,400	2.7	1.7	1,579	46.9	96.4	97.1	0.9	9.6	509	0.43	8.3	1.1	288	236

Notes:
Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for Title 22 metals including mercury using USEPA Methods 6010B/7471A.
Sample depth = feet below where native soil is first encountered
mg/kg = milligrams per kilogram
-- = not analyzed
< = constituent was not detected at a concentration equal to or greater than laboratory practical quantitation limit
ND = not detected

References:
[1] The DTSC-SL represents the DTSC screening level if defined for a compound; otherwise, the DTSC-SL uses the USEPA Regional Screening Levels.
[2] USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.
[3] DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). Revised May.
[4] With the exception of arsenic and hexavalent chromium, background levels are from Bradford et al., 1996, Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation Special Report, Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, March.
[5] The background level for arsenic is from Department of Toxic Substances Control (DTSC), Determination of a Southern California Regional Background Arsenic Concentration in Soil.
[6] The background level for hexavalent chromium is from Air Force Center for Environmental Excellence (AFCEE) and Department of Toxic Substances Control (DTSC), 2005, Inorganic Chemicals in Groundwater and Soil: Background Concentrations at California Air Force Bases. Paper Presented at 44th Annual Meeting of the Society of Toxicology, New Orleans, Louisiana, March 10.

GSI ENVIRONMENTAL

TABLE 2: TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Total Petroleum Hydrocarbons		
							C4-C12	C13-C23	C23-C32
61W	1	61W-1-1	61W-1-1-6	6	3/4/2022	mg/kg	<0.95	<10	<10
		61W-1-2	61W-1-2-6	6	3/4/2022	mg/kg	<1.2	<10	<10
			61W-1-2-15	15	3/4/2022	mg/kg	<0.86	<10	<10
		61W-1-3	61W-1-3-6	6	3/4/2022	mg/kg	<1.0	<10	<10
		61W-1-4	61W-1-4-6	6	3/4/2022	mg/kg	<1.0	<10	<10
		61W-1-5	61W-1-5-6	6	3/4/2022	mg/kg	<0.92	<10	<10
		61W-1-6	61W-1-6-6	6	3/18/2022	mg/kg	<0.89	<10	<10
		61W-1-7	61W-1-7-5.5	5.5	3/4/2022	mg/kg	<0.92	<10	<10
			61W-1-7-13	13	3/4/2022	mg/kg	<0.94	<10	<10
		61W-1-8	61W-1-8-6	6	3/4/2022	mg/kg	<0.97	<10	<10
		61W-1-9	61W-1-9-5.5	5.5	3/18/2022	mg/kg	<0.92	<10	<10
			61W-1-9-14	14	3/18/2022	mg/kg	<0.94	<10	<10
		61W-1-10	61W-1-10-6	6	3/18/2022	mg/kg	<0.95	<10	<10
		61W-1-11	61W-1-11-6	6	3/18/2022	mg/kg	<0.89	<10	<10
	8	61W-8-1	61W-8-1-5.5	5.5	3/18/2022	mg/kg	<0.71	<10	<10
	10	61W-10-1	61W-10-1-5.5	5.5	3/11/2022	mg/kg	<0.84	<10	14
		61W-10-2	61W-10-2-5.5	5.5	3/11/2022	mg/kg	<0.89	<10	13
	17A	61W-17A-1	61W-17A-1-5.5	5.5	3/21/2022	mg/kg	<0.90	<10	<10
		61W-17A-2	61W-17A-2-5.5	5.5	3/21/2022	mg/kg	<0.91	<10	<10
		61W-17A-3	61W-17A-3-5.5	5.5	3/21/2022	mg/kg	<0.87	<10	<10
		61W-17A-4	61W-17A-4-5.5	5.5	3/21/2022	mg/kg	<0.87	<10	<10
		61W-17A-5	61W-17A-5-5.5	5.5	3/21/2022	mg/kg	<0.84	<10	<10
		61W-17A-6	61W-17A-6-5.5	5.5	3/21/2022	mg/kg	<0.85	<10	14
		61W-17A-7	61W-17A-7-5.5	5.5	3/21/2022	mg/kg	<0.92	<10	<10
		61W-17A-8	61W-17A-8-5.5	5.5	3/21/2022	mg/kg	<0.87	<10	<10
	23	61W-23-1	61W-23-1-5.5	5.5	3/18/2022	mg/kg	<0.84	<10	<10
		61W-23-2	61W-23-2-5.5	5.5	3/18/2022	mg/kg	<0.87	<10	<10
		61W-23-3	61W-23-3-5.5	5.5	3/18/2022	mg/kg	<0.80	<10	<10

GSI ENVIRONMENTAL

TABLE 2: TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Total Petroleum Hydrocarbons		
							C4-C12	C13-C23	C23-C32
61W	24	61W-24-1	61W-24-1-1	1	3/9/2022	mg/kg	<1.0*	<10	<10
		61W-24-2	61W-24-2-5.5	5.5	3/11/2022	mg/kg	<0.83	<10	14
		61W-24-3	61W-24-3-5.5	5.5	3/11/2022	mg/kg	<0.88	<10	15
		61W-24-4	61W-24-4-5.5	5.5	3/11/2022	mg/kg	<0.94	<10	16
		61W-24-5	61W-24-5-5.5	5.5	3/11/2022	mg/kg	<0.91	<10	15
		61W-24-6	61W-24-6-5.5	5.5	3/11/2022	mg/kg	<0.78	<10	15
	26	61W-26-1	61W-26-1-5.5	5.5	3/11/2022	mg/kg	<0.75	<10	15
	30	61W-30-1	61W-30-1-5.5	5.5	3/16/2022	mg/kg	<0.86	<10	<10
		61W-30-2	61W-30-2-5.5	5.5	3/16/2022	mg/kg	<1.1	<10	<10
		61W-30-3	61W-30-3-5.5	5.5	3/16/2022	mg/kg	<0.75	<10	<10
		61W-30-4	61W-30-4-5.5	5.5	3/16/2022	mg/kg	<0.87	<10	<10
		61W-30-5	61W-30-5-5.5	5.5	3/16/2022	mg/kg	<0.85	<10	<10
		61W-30-6	61W-30-6-5.5	5.5	3/15/2022	mg/kg	<0.83	<10	<10
		61W-30-7	61W-30-7-5.5	5.5	3/16/2022	mg/kg	<0.75	<10	<10
		61W-30-8	61W-30-8-5.5	5.5	3/16/2022	mg/kg	<0.83	<10	<10
	32	61W-32-1	61W-32-1-5.5	5.5	3/15/2022	mg/kg	<0.77	<10	<10
		61W-32-2	61W-32-2-5.5	5.5	3/15/2022	mg/kg	<0.87	<10	<10
		61W-32-3	61W-32-3-5.5	5.5	3/15/2022	mg/kg	<0.68	<10	<10
		61W-32-4	61W-32-4-5.5	5.5	3/15/2022	mg/kg	<0.95	<10	<10
		61W-32-5	61W-32-5-5.5	5.5	3/15/2022	mg/kg	<0.75	<10	<10
		61W-32-6	61W-32-6-5.5	5.5	3/15/2022	mg/kg	<0.85	<10	<10
		61W-32-7	61W-32-7-5.5	5.5	3/15/2022	mg/kg	<0.78	<10	<10
		61W-32-8	61W-32-8-5.5	5.5	3/17/2022	mg/kg	<0.72	<10	<10
		61W-32-9	61W-32-9-5.5	5.5	3/17/2022	mg/kg	<0.72	<10	<10
		61W-32-10	61W-32-10-5.5	5.5	3/17/2022	mg/kg	<0.82	<10	<10
	37	61W-37-1	61W-37-1-5.5	5.5	3/10/2022	mg/kg	<0.99	<10	<10
		61W-37-2	61W-37-2-5.5	5.5	3/10/2022	mg/kg	<0.99	<10	<10
	38	61W-38-1	61W-38-1-5.5	5.5	3/10/2022	mg/kg	<0.85	<10	<10
		61W-38-2	61W-38-2-5.5	5.5	3/10/2022	mg/kg	<0.84	<10	<10
	39	61W-39-1	61W-39-1-5.5	5.5	3/10/2022	mg/kg	<0.81	<10	<10
		61W-39-2	61W-39-2-5.5	5.5	3/10/2022	mg/kg	<1.0	<10	<10
		61W-39-3	61W-39-3-5.5	5.5	3/10/2022	mg/kg	<0.89	<10	<10
	40	61W-40-1	61W-40-1-5.5	5.5	3/9/2022	mg/kg	<1.0	<10	<10
	41	61W-41-1	61W-41-1-5.5	5.5	3/9/2022	mg/kg	<0.78	<20	<20
		61W-41-2	61W-41-2-5.5	5.5	3/9/2022	mg/kg	<1.0	<10	<10
	42	61W-42-1	61W-42-1-5.5	5.5	3/9/2022	mg/kg	<0.87	<10	<10
	43	61W-43-1	61W-43-1-5.5	5.5	3/21/2022	mg/kg	<0.79	<10	<10
		61W-43-2	61W-43-2-5.5	5.5	3/23/2022	mg/kg	<0.81	<10	13
	44	61W-44	61W-44-5.5	5.5	3/17/2022	mg/kg	<0.79	<10	<10

TABLE 2: TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Total Petroleum Hydrocarbons		
							C4-C12	C13-C23	C23-C32
61C	4	61C-4-1	61C-4-1-5	5	2/23/2022	mg/kg	<0.90	<10	<10
		61C-4-2	61C-4-2-5.5	5.5	2/23/2022	mg/kg	<0.84	<10	<10
		61C-4-3	61C-4-3-5.5	5.5	2/23/2022	mg/kg	<0.81	<10	<10
		61C-4-4	61C-4-4-5.5	5.5	2/23/2022	mg/kg	<0.85	<10	<10
		61C-4-5	61C-4-5-5.5	5.5	2/23/2022	mg/kg	<0.76	<10	<10
	8	61C-8-1	61C-8-1-5.5	5.5	2/23/2022	mg/kg	<0.84	<10	<10
		61C-8-2	61C-8-2-5.5	5.5	2/23/2022	mg/kg	<0.84	<10	<10
		61C-8-3	61C-8-3-5.5	5.5	2/24/2022	mg/kg	<0.95	<10	<10
		61C-8-4	61C-8-4-5.5	5.5	2/24/2022	mg/kg	<0.78	<10	<10
		61C-8-5	61C-8-5-5.5	5.5	2/24/2022	mg/kg	<0.86	<10	<10
		61C-8-6	61C-8-6-SV10-5.5	5.5	2/24/2022	mg/kg	<0.75	<10	<10
62	2	62-2-1	62-2-1-6	6	3/1/2022	mg/kg	<0.96	<100	110
		62-2-2	62-2-2-6	6	3/2/2022	mg/kg	<1.0	<50	<50
		62-2-3	62-2-3-6	6	3/1/2022	mg/kg	<1.1	<10	11
		62-2-4	62-2-4-6	6	3/2/2022	mg/kg	<1.0	<10	<10
	5	62-5-1	62-5-1-5.5	5.5	2/25/2022	mg/kg	<1.0	<10	11
		62-5-2	62-5-2-5.5	5.5	2/25/2022	mg/kg	<0.90	<10	10
		62-5-3	62-5-3-5.5	5.5	2/25/2022	mg/kg	<0.98	<10	<10
		62-5-4	62-5-4-5.5	5.5	2/25/2022	mg/kg	<1.0	<10	11
		62-5-5	62-5-5-5.5	5.5	2/25/2022	mg/kg	<0.89	<10	10
		62-5-6	62-5-6-5.5	5.5	2/25/2022	mg/kg	<0.91	<10	10
	8	62-8-1	62-8-1-5.5	5.5	2/28/2022	mg/kg	<0.93	<10	<10
		62-8-2	62-8-2-5.5	5.5	2/28/2022	mg/kg	<1.0	<10	<10
		62-8-3	62-8-3-5.5	5.5	2/28/2022	mg/kg	<0.87	<10	<10
		62-8-4	62-8-4-5.5	5.5	2/28/2022	mg/kg	<0.83	<10	<10
		62-8-5	62-8-5-5.5	5.5	2/28/2022	mg/kg	<1.1	<10	<10
		62-8-6	62-8-6-5.5	5.5	2/28/2022	mg/kg	<0.92	<10	<10
	9	62-9-1	62-9-1-6	6	3/1/2022	mg/kg	<1.1	<10	11
			62-9-1-15	15	3/1/2022	mg/kg	<0.98	<10	<10
		62-9-2	62-9-2-5.5	5.5	3/1/2022	mg/kg	<1.3	<10	11
		62-9-3	62-9-3-6	6	3/1/2022	mg/kg	<0.97	<10	10
		62-9-4	62-9-4-5.5	5.5	3/1/2022	mg/kg	<0.86	<10	11
	13	62-13-1	62-13-1-5.5	5.5	3/14/2022	mg/kg	<0.84	<10	<10
		62-13-2	62-13-2-5.5	5.5	3/14/2022	mg/kg	<0.85	<10	<10
		62-13-3	62-13-3-5.5	5.5	3/14/2022	mg/kg	<0.80	<10	<10
		62-13-4	62-13-4-5.5	5.5	3/14/2022	mg/kg	<0.88	<10	<10
		62-13-5	62-13-5-5.5	5.5	3/14/2022	mg/kg	<0.91	<10	<10
		62-13-6	62-13-6-5.5	5.5	3/14/2022	mg/kg	<0.86	<10	<10
		62-13-7	62-13-7-5.5	5.5	3/14/2022	mg/kg	<0.84	<10	<10

TABLE 2: TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Total Petroleum Hydrocarbons		
							C4-C12	C13-C23	C23-C32
68	2	68-2-1	68-2-1-5.5	5.5	3/2/2022	mg/kg	<1.0	<10	<10
		68-2-2	68-2-2-5.5	5.5	3/2/2022	mg/kg	<1.0	<10	<10
		68-2-3	68-2-3-5.5	5.5	3/3/2022	mg/kg	<0.73	<10	13
	6	68-6-1	68-6-1-5.5	5.5	3/7/2022	mg/kg	<0.90	<10	<10
		68-6-2	68-6-2-5.5	5.5	3/7/2022	mg/kg	<0.95	<10	<10
	7	68-7-1	68-7-1-5.5	5.5	3/7/2022	mg/kg	<0.92	<10	<10
		68-7-2	68-7-2-5.5	5.5	3/7/2022	mg/kg	<0.86	<10	<10
	12	68-12-1	68-12-1-6	6	3/2/2022	mg/kg	<0.99	<10	<10
		68-12-2	68-12-2-6	6	3/2/2022	mg/kg	<1.0	<10	<10
	17	68-17-1	68-17-1-5.5	5.5	3/8/2022	mg/kg	<0.85	<10	13
		68-17-2	68-17-2-5.5	5.5	3/8/2022	mg/kg	<1.1	<10	12
		68-17-3	68-17-3-5.5	5.5	3/8/2022	mg/kg	<0.98	<10	13
		68-17-4	68-17-4-1	1	3/7/2022	mg/kg	<1.0*	<10	<10
	20	68-20-1	68-20-1-5.5	5.5	3/3/2022	mg/kg	<0.95	<10	15
		68-20-2	68-20-2-5.5	5.5	3/7/2022	mg/kg	<0.97	<10	<10
		68-20-3	68-20-3-5.5	5.5	3/7/2022	mg/kg	<1.1	<10	<10
	22-1	68-22-1-1	68-22-1-1-5.5	5.5	3/8/2022	mg/kg	<0.78	<10	16
		68-22-1-2	68-22-1-2-5.5	5.5	3/8/2022	mg/kg	<0.93	<10	13
	22-Shed1	68-22-Shed 1-1	68-22-Shed 1-1-5.5	5.5	3/8/2022	mg/kg	<0.90	<10	12
		68-22-Shed1-2	68-22-Shed1-2-5.5	5.5	3/10/2022	mg/kg	<0.91	<10	<10
Proposed Bulding Footprint (61W, 61C, 62, and 63)	SVs	SV-1	SV-1-5.5	5.5	3/23/2022	mg/kg	<0.72	<10	13
			SV-1-14	14	3/23/2022	mg/kg	<0.91	<10	<10
		SV-2	SV-2-5.5	5.5	3/17/2022	mg/kg	<0.86	<10	<10
			SV-2-14	14	3/17/2022	mg/kg	<1.1	<10	<10
		SV-3	SV-3-5.5	5.5	2/24/2022	mg/kg	<0.87	<10	<10
			SV-3-13	13	2/24/2022	mg/kg	<0.87	<10	<10
		SV-4	SV-4-5.5	5.5	3/23/2022	mg/kg	<0.83	<10	13
			SV-4-14	14	3/23/2022	mg/kg	<0.92	<10	12
		SV-5	SV-5-5.5	5.5	3/17/2022	mg/kg	<0.91	<10	<10
			SV-5-14	14	3/17/2022	mg/kg	<0.97	<10	<10
		SV-6	SV-6-5.5	5.5	3/23/2022	mg/kg	<0.91	<10	<10
			SV-6-14	14	3/23/2022	mg/kg	<0.91	<10	13
		SV-7	SV-7-5.5	5.5	3/23/2022	mg/kg	<0.87	<10	<10
			SV-7-14	14	3/23/2022	mg/kg	<0.95	<10	12
		SV-8	SV-8-5.5	5.5	3/17/2022	mg/kg	<0.88	<10	<10
			SV-8-14	14	3/17/2022	mg/kg	<0.93	<10	<10
		SV-9	SV-9-5.5	5.5	2/24/2022	mg/kg	<0.86	<10	<10
			SV-9-15	15	2/24/2022	mg/kg	<0.84	<10	<10
		SV-11	SV-11-5.5	5.5	3/3/2022	mg/kg	<0.86	<10	12
			SV-11-16.5	16.5	3/3/2022	mg/kg	<0.91	<10	11
		SV-12	SV-12-5.5	5.5	3/3/2022	mg/kg	<0.87	<10	10
			SV-12-15	15	3/3/2022	mg/kg	<0.91	<10	11

GSI ENVIRONMENTAL

TABLE 2: TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Total Petroleum Hydrocarbons		
							C4-C12	C13-C23	C23-C32
Proposed Bulding Footprint (61W, 61C, 62, and 63)	SVs	SV-13	SV-13-5.5	5.5	3/3/2022	mg/kg	<0.94	<10	11
			SV-13-15	15	3/3/2022	mg/kg	<0.92	<10	11
		SV-14	SV-14-5.5	5.5	3/22/2022	mg/kg	<0.94	<10	<10
			SV-14-15	15	3/22/2022	mg/kg	<0.99	<10	<10
		SV-15	SV-15-5.5	5.5	3/22/2022	mg/kg	<0.79	<10	44
			SV-15-15	15	3/22/2022	mg/kg	<0.98	<10	<10
		SV-16	SV-16-5.5	5.5	3/22/2022	mg/kg	<0.85	<10	15
			SV-16-14	14	3/22/2022	mg/kg	<0.81	<10	<10
		SV-17	SV-17-5.5	5.5	3/22/2022	mg/kg	<0.78	<10	<10
			SV-17-15	15	3/22/2022	mg/kg	<0.93	<10	<10
		SV-18	SV-18-5.5	5.5	3/22/2022	mg/kg	<0.78	<10	<10
			SV-18-14	14	3/22/2022	mg/kg	<0.83	<10	<10
		SV-19	SV-19-5.5	5.5	3/22/2022	mg/kg	<0.87	<10	<10
			SV-19-14	14	3/22/2022	mg/kg	<0.97	<10	<10
					Maximum Concentration	**mg/kg**	**ND**	**ND**	**110**
Environmental Screening Levels									
Commerical/Industsrial Land Use									
					SFBRWQCB ESLs[1]	mg/kg	2,000	1,200	180,000

Notes:
Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for TPH using USEPA Method 8015B.
Sample depth = feet below where native soil is first encountered
mg/kg = milligrams per kilogram
-- = not analyzed or not available
< = constituent was not detected at a concentration equal to or greater than laboratory practical quantitation limit
ND = not detected
* Sample was analyzed for TPH in the gasoline carbon range of C6-C12

References:
[1] San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 Revision 2, Environmental Screening Levels (ESLs), Januray.

GSI ENVIRONMENTAL

TABLE 3: VOLATILE ORGANIC COMPOUNDS (VOCS) IN SOIL

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)	Chloroethane	Methylene Chloride	All Other VOCs
61W	1	61W-1-1	61W-1-1-6	6	3/4/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61W-1-2	61W-1-2-6	6	3/4/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
			61W-1-2-15	15	3/4/2022	µg/kg	<5.0	<5.0	<5.0	<5.0	ND
		61W-1-3	61W-1-3-6	6	3/4/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
		61W-1-4	61W-1-4-6	6	3/4/2022	µg/kg	<4.8	<4.8	<4.8	<4.8	ND
		61W-1-5	61W-1-5-6	6	3/4/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		61W-1-6	61W-1-6-6	6	3/18/2022	µg/kg	<4.5	<4.5	<4.5	<4.5	ND
		61W-1-7	61W-1-7-5.5	5.5	3/4/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
			61W-1-7-13	13	3/4/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		61W-1-8	61W-1-8-6	6	3/4/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61W-1-9	61W-1-9-5.5	5.5	3/18/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
			61W-1-9-14	14	3/18/2022	µg/kg	<4.6	<4.6	31	<4.6	ND
		61W-1-10	61W-1-10-6	6	3/18/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61W-1-11	61W-1-11-6	6	3/18/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
	8	61W-8-1	61W-8-1-5.5	5.5	3/18/2022	µg/kg	6.8	<3.6	<3.6	<3.6	ND
	10	61W-10-1	61W-10-1-5.5	5.5	3/11/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		61W-10-2	61W-10-2-5.5	5.5	3/11/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
	17A	61W-17A-1	61W-17A-1-5.5	5.5	3/21/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		61W-17A-2	61W-17A-2-5.5	5.5	3/21/2022	µg/kg	4.9	<4.5	<4.5	<4.5	ND
		61W-17A-3	61W-17A-3-5.5	5.5	3/21/2022	µg/kg	8.8	<4.5	<4.5	<4.5	ND
		61W-17A-4	61W-17A-4-5.5	5.5	3/21/2022	µg/kg	7.1	<4.3	<4.3	<4.3	ND
		61W-17A-5	61W-17A-5-5.5	5.5	3/21/2022	µg/kg	6.6	<4.3	<4.3	<4.3	ND
		61W-17A-6	61W-17A-6-5.5	5.5	3/21/2022	µg/kg	22	<4.1	<4.1	<4.1	ND
		61W-17A-7	61W-17A-7-5.5	5.5	3/21/2022	µg/kg	73	<5.4	<5.4	<5.4	ND
		61W-17A-8	61W-17A-8-5.5	5.5	3/21/2022	µg/kg	20	<4.6	<4.6	<4.6	ND
	23	61W-23-1	61W-23-1-5.5	5.5	3/18/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61W-23-2	61W-23-2-5.5	5.5	3/18/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61W-23-3	61W-23-3-5.5	5.5	3/18/2022	µg/kg	<4.0	<4.0	<4.0	<4.0	ND

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TABLE 3: VOLATILE ORGANIC COMPOUNDS (VOCS) IN SOIL

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)	Chloroethane	Methylene Chloride	All Other VOCs
61W	24	61W-24-2	61W-24-2-5.5	5.5	3/11/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
		61W-24-3	61W-24-3-5.5	5.5	3/11/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		61W-24-4	61W-24-4-5.5	5.5	3/11/2022	µg/kg	<4.5	<4.5	<4.5	<4.5	ND
		61W-24-5	61W-24-5-5.5	5.5	3/11/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61W-24-6	61W-24-6-5.5	5.5	3/11/2022	µg/kg	<3.5	<3.5	<3.5	<3.5	ND
	26	61W-26-1	61W-26-1-5.5	5.5	3/11/2022	µg/kg	<3.7	<3.7	<3.7	<3.7	ND
	30	61W-30-1	61W-30-1-5.5	5.5	3/16/2022	µg/kg	24	<4.2	<4.2	<4.2	ND
		61W-30-2	61W-30-2-5.5	5.5	3/16/2022	µg/kg	7.9	<4.1	<4.1	<4.1	ND
		61W-30-3	61W-30-3-5.5	5.5	3/16/2022	µg/kg	34	<3.8	<3.8	<3.8	ND
		61W-30-4	61W-30-4-5.5	5.5	3/16/2022	µg/kg	14	<4.3	<4.3	<4.3	ND
		61W-30-5	61W-30-5-5.5	5.5	3/16/2022	µg/kg	7.1	<4.2	<4.2	<4.2	ND
		61W-30-6	61W-30-6-5.5	5.5	3/15/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		61W-30-7	61W-30-7-5.5	5.5	3/16/2022	µg/kg	52	5.8	<3.8	<3.8	ND
		61W-30-8	61W-30-8-5.5	5.5	3/16/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
	32	61W-32-1	61W-32-1-5.5	5.5	3/15/2022	µg/kg	<3.8	<3.8	<3.8	<3.8	ND
		61W-32-2	61W-32-2-5.5	5.5	3/15/2022	µg/kg	3.8	<3.7	<3.7	<3.7	ND
		61W-32-3	61W-32-3-5.5	5.5	3/15/2022	µg/kg	<3.6	<3.6	<3.6	<3.6	ND
		61W-32-4	61W-32-4-5.5	5.5	3/15/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		61W-32-5	61W-32-5-5.5	5.5	3/15/2022	µg/kg	3.9	<3.9	<3.9	<3.9	ND
		61W-32-6	61W-32-6-5.5	5.5	3/15/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		61W-32-7	61W-32-7-5.5	5.5	3/15/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
		61W-32-8	61W-32-8-5.5	5.5	3/17/2022	µg/kg	<3.6	<3.6	<3.6	<3.6	ND
		61W-32-9	61W-32-9-5.5	5.5	3/17/2022	µg/kg	<3.5	<3.5	<3.5	<3.5	ND
		61W-32-10	61W-32-10-5.5	5.5	3/17/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
	37	61W-37-1	61W-37-1-5.5	5.5	3/10/2022	µg/kg	<4.0	<4.0	<4.0	<4.0	ND
		61W-37-2	61W-37-2-5.5	5.5	3/10/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
	38	61W-38-1	61W-38-1-5.5	5.5	3/10/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
		61W-38-2	61W-38-2-5.5	5.5	3/10/2022	µg/kg	<4.0	<4.0	<4.0	<4.0	ND
	39	61W-39-1	61W-39-1-5.5	5.5	3/10/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
		61W-39-2	61W-39-2-5.5	5.5	3/10/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
		61W-39-3	61W-39-3-5.5	5.5	3/10/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
	40	61W-40-1	61W-40-1-5.5	5.5	3/9/2022	µg/kg	<5.1	<5.1	<5.1	<5.1	ND

GSI ENVIRONMENTAL

TABLE 3: VOLATILE ORGANIC COMPOUNDS (VOCS) IN SOIL

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)	Chloroethane	Methylene Chloride	All Other VOCs
61W	41	61W-41-1	61W-41-1-5.5	5.5	3/9/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
		61W-41-2	61W-41-2-5.5	5.5	3/9/2022	µg/kg	<5.1	<5.1	<5.1	<5.1	ND
	42	61W-42-1	61W-42-1-5.5	5.5	3/9/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
	43	61W-43-1	61W-43-1-5.5	5.5	3/21/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
		61W-43-2	61W-43-2-5.5	5.5	3/23/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
	44	61W-44	61W-44-5.5	5.5	3/17/2022	µg/kg	4.3	<4.1	<4.1	<4.1	ND
61C	4	61C-4-1	61C-4-1-5	5	2/23/2022	µg/kg	<5.1	<5.1	<5.1	12	ND
		61C-4-2	61C-4-2-5.5	5.5	2/23/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61C-4-3	61C-4-3-5.5	5.5	2/23/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61C-4-4	61C-4-4-5.5	5.5	2/23/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
		61C-4-5	61C-4-5-5.5	5.5	2/23/2022	µg/kg	<3.7	<3.7	<3.7	<3.7	ND
	8	61C-8-1	61C-8-1-5.5	5.5	2/23/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
		61C-8-2	61C-8-2-5.5	5.5	2/23/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
		61C-8-3	61C-8-3-5.5	5.5	2/24/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
		61C-8-4	61C-8-4-5.5	5.5	2/24/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
		61C-8-5	61C-8-5-5.5	5.5	2/24/2022	µg/kg	<4.0	<4.0	<4.0	<4.0	ND
		61C-8-6-SV10	61C-8-6-SV10-5.5	5.5	2/24/2022	µg/kg	<3.8	<3.8	<3.8	<3.8	ND
62	2	62-2-1	62-2-1-6	6	3/1/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		62-2-2	62-2-2-6	6	3/2/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		62-2-3	62-2-3-6	6	3/1/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		62-2-4	62-2-4-6	6	3/2/2022	µg/kg	<5.3	<5.3	<5.3	<5.3	ND
	5	62-5-1	62-5-1-5.5	5.5	2/25/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		62-5-2	62-5-2-5.5	5.5	2/25/2022	µg/kg	<4.5	<4.5	<4.5	<4.5	ND
		62-5-3	62-5-3-5.5	5.5	2/25/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		62-5-4	62-5-4-5.5	5.5	2/25/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		62-5-5	62-5-5-5.5	5.5	2/25/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		62-5-6	62-5-6-5.5	5.5	2/25/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND

GSI ENVIRONMENTAL

TABLE 3: VOLATILE ORGANIC COMPOUNDS (VOCS) IN SOIL

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)	Chloroethane	Methylene Chloride	All Other VOCs
62	8	62-8-1	62-8-1-5.5	5.5	2/28/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
		62-8-2	62-8-2-5.5	5.5	2/28/2022	µg/kg	<4.8	<4.8	<4.8	<4.8	ND
		62-8-3	62-8-3-5.5	5.5	2/28/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		62-8-4	62-8-4-5.5	5.5	2/28/2022	µg/kg	<5.1	<5.1	<5.1	<5.1	ND
		62-8-5	62-8-5-5.5	5.5	2/28/2022	µg/kg	<5.9	<5.9	<5.9	<5.9	ND
		62-8-6	62-8-6-5.5	5.5	2/28/2022	µg/kg	<4.5	<4.5	<4.5	<4.5	ND
	9	62-9-1	62-9-1-6	6	3/1/2022	µg/kg	<5.7	<5.7	<5.7	<5.7	ND
			62-9-1-15	15	3/1/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		62-9-2	62-9-2-5.5	5.5	3/1/2022	µg/kg	<5.3	<5.3	<5.3	<5.3	ND
		62-9-3	62-9-3-6	6	3/1/2022	µg/kg	<5.6	<5.6	<5.6	<5.6	ND
		62-9-4	62-9-4-5.5	5.5	3/1/2022	µg/kg	<5.8	<5.8	<5.8	<5.8	ND
	13	62-13-1	62-13-1-5.5	5.5	3/14/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		62-13-2	62-13-2-5.5	5.5	3/14/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
		62-13-3	62-13-3-5.5	5.5	3/14/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
		62-13-4	62-13-4-5.5	5.5	3/14/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		62-13-5	62-13-5-5.5	5.5	3/14/2022	µg/kg	<4.5	<4.5	<4.5	<4.5	ND
		62-13-6	62-13-6-5.5	5.5	3/14/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		62-13-7	62-13-7-5.5	5.5	3/14/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
68	2	68-2-1	68-2-1-5.5	5.5	3/2/2022	µg/kg	<3.7	<3.7	<3.7	<3.7	ND
		68-2-2	68-2-2-5.5	5.5	3/2/2022	µg/kg	<3.5	<3.5	<3.5	<3.5	ND
		68-2-3	68-2-3-5.5	5.5	3/3/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
	6	68-6-1	68-6-1-5.5	5.5	3/7/2022	µg/kg	<5.1	<5.1	<5.1	<5.1	ND
		68-6-2	68-6-2-5.5	5.5	3/7/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
	7	68-7-1	68-7-1-5.5	5.5	3/7/2022	µg/kg	<4.6	<4.6	17	<4.6	ND
		68-7-2	68-7-2-5.5	5.5	3/7/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
	12	68-12-1	68-12-1-6	6	3/2/2022	µg/kg	<5.6	<5.6	<5.6	<5.6	ND
		68-12-2	68-12-2-6	6	3/2/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
	17	68-17-1	68-17-1-5.5	5.5	3/8/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		68-17-2	68-17-2-5.5	5.5	3/8/2022	µg/kg	<5.4	<5.4	<5.4	<5.4	ND
		68-17-3	68-17-3-5.5	5.5	3/8/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND

GSI ENVIRONMENTAL

TABLE 3: VOLATILE ORGANIC COMPOUNDS (VOCS) IN SOIL

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)	Chloroethane	Methylene Chloride	All Other VOCs
68	20	68-20-1	68-20-1-5.5	5.5	3/3/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
		68-20-2	68-20-2-5.5	5.5	3/7/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		68-20-3	68-20-3-5.5	5.5	3/7/2022	µg/kg	<5.5	<5.5	<5.5	<5.5	ND
	22-1	68-22-1-1	68-22-1-1-5.5	5.5	3/8/2022	µg/kg	<4.0	<4.0	<4.0	<4.0	ND
		68-22-1-2	68-22-1-2-5.5	5.5	3/8/2022	µg/kg	<5.1	<5.1	<5.1	<5.1	ND
	22-Shed1	68-22-Shed 1-1	68-22-Shed 1-1-5.5	5.5	3/8/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
		68-22-Shed1-2	68-22-Shed1-2-5.5	5.5	3/10/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
Proposed Bulding Footprint (61W, 61C, 62, and 63)	SVs	SV-1	SV-1-5.5	5.5	3/23/2022	µg/kg	<3.7	<3.7	<3.7	<3.7	ND
			SV-1-14	14	3/23/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		SV-2	SV-2-5.5	5.5	3/17/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
			SV-2-14	14	3/17/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		SV-3	SV-3-5.5	5.5	2/24/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
			SV-3-13	13	2/24/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
		SV-4	SV-4-5.5	5.5	3/23/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
			SV-4-14	14	3/23/2022	µg/kg	<5.4	<5.4	<5.4	<5.4	ND
		SV-5	SV-5-5.5	5.5	3/17/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
			SV-5-14	14	3/17/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		SV-6	SV-6-5.5	5.5	3/23/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
			SV-6-14	14	3/23/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
		SV-7	SV-7-5.5	5.5	3/23/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
			SV-7-14	14	3/23/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		SV-8	SV-8-5.5	5.5	3/17/2022	µg/kg	<4.5	<4.5	6.2	<4.5	ND
			SV-8-14	14	3/17/2022	µg/kg	<4.5	<4.5	<4.5	<4.5	ND
		SV-9	SV-9-5.5	5.5	2/24/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
			SV-9-15	15	2/24/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		SV-11	SV-11-5.5	5.5	3/3/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
			SV-11-16.5	16.5	3/3/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		SV-12	SV-12-5.5	5.5	3/3/2022	µg/kg	<5.0	<5.0	<5.0	<5.0	ND
			SV-12-15	15	3/3/2022	µg/kg	<4.8	<4.8	<4.8	<4.8	ND
		SV-13	SV-13-5.5	5.5	3/3/2022	µg/kg	<5.4	<5.4	<5.4	<5.4	ND
			SV-13-15	15	3/3/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND

GSI ENVIRONMENTAL

TABLE 3: VOLATILE ORGANIC COMPOUNDS (VOCS) IN SOIL

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)	Chloroethane	Methylene Chloride	All Other VOCs
Proposed Bulding Footprint (61W, 61C, 62, and 63)	SVs	SV-14	SV-14-5.5	5.5	3/22/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
			SV-14-15	15	3/22/2022	µg/kg	<5.7	<5.7	<5.7	<5.7	ND
		SV-15	SV-15-5.5	5.5	3/22/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
			SV-15-15	15	3/22/2022	µg/kg	<6.1	<6.1	<6.1	<6.1	ND
		SV-16	SV-16-5.5	5.5	3/22/2022	µg/kg	<4.8	<4.8	<4.8	<4.8	ND
			SV-16-14	14	3/22/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		SV-17	SV-17-5.5	5.5	3/22/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
			SV-17-15	15	3/22/2022	µg/kg	<5.1	<5.1	15	<5.1	ND
		SV-18	SV-18-5.5	5.5	3/22/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
			SV-18-14	14	3/22/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		SV-19	SV-19-5.5	5.5	3/22/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
			SV-19-14	14	3/22/2022	µg/kg	<5.0	<5.0	<5.0	<5.0	ND
					Maximum Concentration	**µg/kg**	**73**	**5.8**	**31**	**12**	**ND**
Soil Screening Levels											
Commercial/Industrial Land Use											
					DTSC-SL[1,2,3]	µg/kg	6,000	7,200,000	23,000,000	26,000	Various

Notes:

Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for VOCs using USEPA Method 8260B.
Sample depth = feet below where native soil is first encountered
µg/kg = micrograms per kilogram
-- = not analyzed
< = constituent was not detected at a concentration equal to or greater than laboratory practical quantitation limit
ND = not detected

References:

[1] The DTSC-SL represents the DTSC screening level if defined for a compound; otherwise, the DTSC-SL uses the USEPA Regional Screening Levels.
[2] USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.
[3] DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). Revised May.

GSI ENVIRONMENTAL

TABLE 4: SEMI- VOLATILE ORGANIC COMPOUNDS (SVOCs) IN SOIL
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	All SVOCs
61W	1	61W-1-6	61W-1-6-6	6	3/18/2022	µg/kg	ND
		61W-1-8	61W-1-8-6	6	3/4/2022	µg/kg	ND
		61W-1-10	61W-1-10-6	6	3/18/2022	µg/kg	ND
		61W-1-11	61W-1-11-6	6	3/18/2022	µg/kg	ND
61C	8	61C-8-1	61C-8-1-5.5	5.5	2/23/2022	µg/kg	ND
		61C-8-2	61C-8-2-5.5	5.5	2/23/2022	µg/kg	ND
		61C-8-3	61C-8-3-5.5	5.5	2/24/2022	µg/kg	ND
		61C-8-4	61C-8-4-5.5	5.5	2/24/2022	µg/kg	ND
		61C-8-5	61C-8-5-5.5	5.5	2/24/2022	µg/kg	ND
		61C-8-6-SV10	61C-8-6-SV10-5.5	5.5	2/24/2022	µg/kg	ND
62	2	62-2-1	62-2-1-6	6	3/1/2022	µg/kg	ND
		62-2-2	62-2-2-6	6	3/2/2022	µg/kg	ND
		62-2-3	62-2-3-6	6	3/1/2022	µg/kg	ND
		62-2-4	62-2-4-6	6	3/2/2022	µg/kg	ND
	9	62-9-1	62-9-1-6	6	3/1/2022	µg/kg	ND
		62-9-2	62-9-2-5.5	5.5	3/1/2022	µg/kg	ND
		62-9-3	62-9-3-6	6	3/1/2022	µg/kg	ND
		62-9-4	62-9-4-5.5	5.5	3/1/2022	µg/kg	ND
					Maximum Concentration	**µg/kg**	**ND**
Soil Screening Levels							
Commercial/Industrial Land Use							
					DTSC-SL[1,2,3]	µg/kg	Various

Notes:
Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for SVOCs using USEPA Method 8270C.
Sample depth = feet below where native soil is first encountered
µg/kg = micrograms per kilogram
ND = not detected

References:
[1] The DTSC-SL represents the DTSC screening level if defined for a compound; otherwise, the DTSC-SL uses the USEPA Regional Screening Levels.
[2] USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.
[3] DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). Revised May.

GSI ENVIRONMENTAL

TABLE 5: POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) IN SOIL

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Benzo(g,h,i)perylene	Chrysene	All Other PAHs
61W	1	61W-1-6	61W-1-6-6	6	3/18/2022	µg/kg	<5.0	<5.0	ND
		61W-1-8	61W-1-8-6	6	3/4/2022	µg/kg	<5.0	<5.0	ND
		61W-1-10	61W-1-10-6	6	3/18/2022	µg/kg	<5.0	<5.0	ND
		61W-1-11	61W-1-11-6	6	3/18/2022	µg/kg	<5.0	<5.0	ND
	37	61W-37-1	61W-37-1-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
		61W-37-2	61W-37-2-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
	38	61W-38-1	61W-38-1-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
		61W-38-2	61W-38-2-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
	39	61W-39-1	61W-39-1-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
		61W-39-2	61W-39-2-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
		61W-39-3	61W-39-3-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
	40	61W-40-1	61W-40-1-5.5	5.5	3/9/2022	µg/kg	6.4	7.6	ND
	41	61W-41-1	61W-41-1-5.5	5.5	3/9/2022	µg/kg	<25	<25	ND
		61W-41-2	61W-41-2-5.5	5.5	3/9/2022	µg/kg	<5.0	<5.0	ND
	43	61W-43-2	61W-43-2-5.5	5.5	3/23/2022	µg/kg	<5.0	<5.0	ND
	44	61W-44	61W-44-5.5	5.5	3/17/2022	µg/kg	<5.0	<5.0	ND
61C	8	61C-8-1	61C-8-1-5.5	5.5	2/23/2022	µg/kg	<10	<10	ND
		61C-8-2	61C-8-2-5.5	5.5	2/23/2022	µg/kg	<10	<10	ND
62	13	62-13-1	62-13-1-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND
		62-13-2	62-13-2-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND
		62-13-3	62-13-3-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND
		62-13-4	62-13-4-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND
		62-13-5	62-13-5-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND
		62-13-6	62-13-6-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND
		62-13-7	62-13-7-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND

GSI ENVIRONMENTAL

TABLE 5: POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) IN SOIL

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Benzo(g,h,i)perylene	Chrysene	All Other PAHs
68	6	68-6-1	68-6-1-5.5	5.5	3/7/2022	µg/kg	<5.0	<5.0	ND
		68-6-2	68-6-2-5.5	5.5	3/7/2022	µg/kg	<5.0	<5.0	ND
	7	68-7-1	68-7-1-5.5	5.5	3/7/2022	µg/kg	<5.0	<5.0	ND
		68-7-2	68-7-2-5.5	5.5	3/7/2022	µg/kg	<5.0	<5.0	ND
	20	68-20-1	68-20-1-5.5	5.5	3/3/2022	µg/kg	<10	<10	ND
		68-20-2	68-20-2-5.5	5.5	3/7/2022	µg/kg	<5.0	<5.0	ND
		68-20-3	68-20-3-5.5	5.5	3/7/2022	µg/kg	<5.0	<5.0	ND
	22	68-22-1-1	68-22-1-1-5.5	5.5	3/8/2022	µg/kg	<10	<10	ND
		68-22-1-2	68-22-1-2-5.5	5.5	3/8/2022	µg/kg	<5.0	<5.0	ND
Maximum Concentration						**µg/kg**	**6.4**	**7.6**	**ND**
Soil Screening Levels									
Commercial/Industrial Land Use									
DTSC-SL[1,2,3]						µg/kg	NA	1,300,000	Various

Notes:

Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for PAHs using USEPA Method 8270 SIM.
Sample depth = feet below where native soil is first encountered
µg/kg = micrograms per kilogram
ND = not detected

References:

[1] The DTSC-SL represents the DTSC screening level if defined for a compound; otherwise, the DTSC-SL uses the USEPA Regional Screening Levels.

[2] USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.

[3] DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). Revised May.

GSI ENVIRONMENTAL

TABLE 6: POLYCHLORINATED BIPHENYLS (PCBS) IN SOIL

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
61W	24	61W-24-1	61W-24-1-1	1	3/9/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		61W-24-2	61W-24-2-1	1	3/11/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		61W-24-3	61W-24-3-1	1	3/11/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		61W-24-4	61W-24-4-1	1	3/11/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		61W-24-5	61W-24-5-1	1	3/11/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		61W-24-6	61W-24-6-1	1	3/11/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
68	17	68-17-1	68-17-1-1	1	3/8/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		68-17-2	68-17-2-1	1	3/8/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		68-17-3	68-17-3-1	1	3/8/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		68-17-4	68-17-4-1	1	3/7/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
					Maximum Concentration	**µg/kg**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Soil Screening Levels													
Commercial/Industrial Land Use													
					DTSC-SL[1,2,3]	µg/kg	17,000	530	490	580	580	590	600

Notes:
Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for PCBs using USEPA Method 8082.
Sample depth = feet below where native soil is first encountered
µg/kg = micrograms per kilogram
ND = not detected

References:
[1] The DTSC-SL represents the DTSC screening level if defined for a compound; otherwise, the DTSC-SL uses the USEPA Regional Screening Levels.
[2] USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.
[3] DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment

GSI ENVIRONMENTAL

TABLE 7: ORGANOCHLORINE PESTICIDES (OCPS) AND CHLORINATED HERBICIDES IN SOIL

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	4,4´-DDE	4,4´-DDT	All Other OCPs	All Chlorinated Herbicides
61W	1	61W-1-6	61W-1-6-1	1	3/18/2022	µg/kg	<2.0	<2.0	ND	ND
		61W-1-8	61W-1-8-1	1	3/4/2022	µg/kg	<2.0	<2.0	ND	ND
		61W-1-10	61W-1-10-1	1	3/18/2022	µg/kg	6.0	3.1	ND	ND
		61W-1-11	61W-1-11-1	1	3/18/2022	µg/kg	<2.0	2.6	ND	ND
Proposed Bulding Footprint (61W, 61C, 62, and 63)	SVs	SV-12	SV-12-1	1	3/3/2022	µg/kg	<2.0	<2.0	ND	ND
		SV-13	SV-13-1	1	3/3/2022	µg/kg	<2.0	<2.0	ND	ND
Maximum Concentration						**µg/kg**	**6.0**	**3.1**	**ND**	**ND**
Soil Screening Levels										
Commercial/Industrial Land Use										
DTSC-SL[1,2,3]						µg/kg	9,300	7,100	Various	Various

Notes:

Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for OCPs using USEPA Method 8081A and by Enviro-Chem, Inc. for Chlorinated Herbicides using USEPA Method 8151A.
Sample depth = feet below where native soil is first encountered
4,4'-DDE = 4,4'-Dichlorodiphenyldichloroethylene
4,4'-DDT = 4,4'-Dichlorodiphenyltrichloroethane
µg/kg = micrograms per kilogram
ND = not detected

References:

[1] The DTSC-SL represents the DTSC screening level if defined for a compound; otherwise, the DTSC-SL uses the USEPA Regional Screening Levels.
[2] USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.
[3] DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). Revised May.

GSI ENVIRONMENTAL

TABLE 8: PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) IN SOIL
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Perfluorooctane sulfonic acid (PFOS)	Perfluoroundecanoic acid (PFUnA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	Perfluoropentanoic acid (PFPeA)	Perfluoropentane sulfonic acid (PFPeS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	Perfluorohexanoic acid (PFHxA)	Perfluorododecanoic acid (PFDoA)	Perfluorooctanoic acid (PFOA)	Perfluorodecanoic acid (PFDA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorobutane sulfonic acid (PFBS)	Perfluoroheptanoic acid (PFHpA)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTeDA)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	Perfluorotridecanoic acid (PFTrDA)	Perfluorooctanesulfonamide (PFOSA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	TOTAL PFAS
61W	1	61W-1-1	61W-1-1-3	3	3/4/2022	ng/g	<0.995	<0.995	<0.498	<0.498	<0.498	<0.995	<0.498	<0.498	<0.498	<0.498	<0.498	<0.498	<0.498	<0.498	<0.498	<0.498	<0.995	<0.498	<0.498	<0.995	<0.498	<0.995	<0.995	0
			61W-1-1-6	6	3/4/2022	ng/g	<0.987	<0.987	<0.493	<0.493	<0.493	<0.987	<0.493	<0.493	<0.493	<0.493	<0.493	<0.493	<0.493	<0.493	<0.493	<0.493	<0.987	<0.493	<0.493	<0.987	<0.493	<0.987	<0.987	0
		61W-1-2	61W-1-2-3	3	3/4/2022	ng/g	<0.982	<0.982	<0.491	<0.491	<0.491	<0.982	<0.491	<0.491	<0.491	<0.491	<0.491	<0.491	<0.491	<0.491	<0.491	<0.491	<0.982	<0.491	<0.491	<0.982	<0.491	<0.982	<0.982	0
			61W-1-2-6	6	3/4/2022	ng/g	<0.991	<0.991	<0.496	<0.496	<0.496	<0.991	<0.496	<0.496	<0.496	<0.496	<0.496	<0.496	<0.496	<0.496	<0.496	<0.496	<0.991	<0.496	<0.496	<0.991	<0.496	<0.991	<0.991	0
		61W-1-3	61W-1-3-3	3	3/4/2022	ng/g	<0.972	<0.972	<0.486	<0.486	<0.486	<0.972	<0.486	<0.486	<0.486	<0.486	<0.486	<0.486	<0.486	<0.486	<0.486	<0.486	<0.972	<0.486	<0.486	<0.972	<0.486	<0.972	<0.972	0
			61W-1-3-6	6	3/4/2022	ng/g	<0.967	<0.967	<0.484	<0.484	<0.484	<0.967	<0.484	<0.484	<0.484	<0.484	<0.484	<0.484	<0.484	<0.484	<0.484	<0.484	<0.967	<0.484	<0.484	<0.967	<0.484	<0.967	<0.967	0
		61W-1-4	61W-1-4-3	3	3/4/2022	ng/g	<0.992	<0.992	<0.496	<0.496	<0.496	<0.992	<0.496	<0.496	<0.496	<0.496	<0.496	<0.496	<0.496	<0.496	<0.496	<0.496	<0.992	<0.496	<0.496	<0.992	<0.496	<0.992	<0.992	0
			61W-1-4-6	6	3/4/2022	ng/g	<0.961	<0.961	<0.480	<0.480	<0.480	<0.961	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.961	<0.480	<0.480	<0.961	<0.480	<0.961	<0.961	0
		61W-1-5	61W-1-5-3	3	3/4/2022	ng/g	<0.999	<0.999	<0.500	<0.500	<0.500	<0.999	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.999	<0.500	<0.500	<0.999	<0.500	<0.999	<0.999	0
			61W-1-5-6	6	3/4/2022	ng/g	<0.973	<0.973	<0.487	<0.487	<0.487	<0.973	<0.487	<0.487	<0.487	<0.487	<0.487	<0.487	<0.487	<0.487	<0.487	<0.487	<0.973	<0.487	<0.487	<0.973	<0.487	<0.973	<0.973	0
62	2	62-2-1	62-2-1-6	6	3/1/2022	ng/g	18.3	<0.971	<0.485	<0.485	<0.485	<0.971	<0.485	<0.485	<0.485	4.84	<0.485	<0.485	9.88	<0.485	<0.485	<0.485	<0.971	<0.485	<0.485	<0.971	<0.485	<0.971	<0.971	33
		62-2-2	62-2-2-6	6	3/2/2022	ng/g	109	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	1.87	0.549	<0.500	5.13	<0.500	<0.500	<0.500	0.659 J	<0.500	<0.500	<1.00	<0.500	<1.00	<1.00	117
		62-2-3	62-2-3-6	6	3/1/2022	ng/g	2.94	<0.982	<0.491	<0.491	<0.491	<0.982	<0.491	<0.491	<0.491	0.518	<0.491	<0.491	4.14	<0.491	<0.491	<0.491	<0.982	<0.491	<0.491	<0.982	<0.491	<0.982	<0.982	8
		62-2-4	62-2-4-6	6	3/2/2022	ng/g	4.59	<0.96	<0.480	<0.480	<0.480	<0.96	<0.480	<0.480	<0.480	5.52	<0.480	<0.480	5.64	<0.480	<0.480	<0.480	<0.96	<0.480	<0.480	<0.96	<0.480	<0.96	<0.96	16
	5	62-5-1	62-5-1-SO-3	3	3/1/2022	ng/g	1,140 Q	<0.958	<0.479	0.425 J	1.91	<0.958	<0.479	5.13	<0.479	9.88	<0.479	<0.479	62.1	<0.479	0.390 J	<0.479	52.0	<0.479	<0.479	<0.958	<0.479	2.27	<0.958	1,274
		62-5-2	62-5-2-3	3	2/25/2022	ng/g	8.10	<1.00	<0.501	<0.501	<0.501	<1.00	<0.501	1.13	<0.501	1.70	<0.501	<0.501	5.34	<0.501	<0.501	0.512	<1.00	<0.501	<0.501	<1.00	<0.501	<1.00	<1.00	17
		62-5-3	62-5-3-3	3	2/25/2022	ng/g	2.72	<0.987	<0.493	<0.493	<0.493	<0.987	<0.493	0.329 J	<0.493	<0.493	<0.493	<0.493	1.14	<0.493	<0.493	<0.493	<0.987	<0.493	<0.493	<0.987	<0.493	<0.987	<0.987	4
		62-5-6	62-5-6-3	3	2/25/2022	ng/g	2.60	<0.977	<0.488	<0.488	<0.488	<0.977	<0.488	0.368 J	<0.488	0.533	<0.488	<0.488	3.87	<0.488	<0.488	<0.488	<0.977	<0.488	<0.488	<0.977	<0.488	<0.977	<0.977	7
	8	62-8-1	62-8-1-3	3	2/28/2022	ng/g	2.03	<0.955	<0.478	2.60	19.4	<0.955	<0.478	21.3	<0.478	1.74	<0.478	<0.478	42.6	1.14	9.18	3.45	<0.955	<0.478	<0.478	<0.955	<0.478	<0.955	<0.955	103
		62-8-2	62-8-2-3	3	2/28/2022	ng/g	118	<0.969	<0.485	1.33	2.39	<0.969	<0.485	11.8	<0.485	10.9	<0.485	<0.485	21.0	0.515	2.86	0.739	1.45	<0.485	<0.485	<0.969	<0.485	6.39	<0.969	177
		62-8-4	62-8-4-3.5	3.5	2/28/2022	ng/g	20.0	<1.00	<0.500	0.603	1.11	<1.00	<0.500	8.39	<0.500	20.9	<0.500	<0.500	34.8	<0.500	0.860	0.602	0.580 J	<0.500	<0.500	<1.00	<0.500	0.759 J	<1.00	89
		62-8-6	62-8-6-3.5	3.5	2/28/2022	ng/g	62.2	<0.961	<0.480	<0.480	0.631	<0.961	<0.480	2.08	<0.480	24.1	<0.480	<0.480	24.2	<0.480	<0.480	<0.480	1.42	<0.480	<0.480	<0.961	<0.480	10.4	<0.961	125
	9	62-9-1	62-9-1-6	6	3/1/2022	ng/g	18.8	<0.963	<0.481	<0.481	<0.481	<0.963	<0.481	<0.481	<0.481	0.403 J	<0.481	<0.481	0.774	<0.481	<0.481	<0.481	<0.963	<0.481	<0.481	<0.963	<0.481	<0.963	<0.963	20
		62-9-3	62-9-3-6	6	3/1/2022	ng/g	2.94	<0.970	<0.485	<0.485	<0.485	<0.970	<0.485	0.507	<0.485	6.24	<0.485	<0.485	23.9	<0.485	<0.485	<0.485	<0.970	<0.485	<0.485	<0.970	<0.485	<0.970	<0.970	34
68	12	68-12-1	68-12-1-3	3	3/2/2022	ng/g	328	<0.987	<0.494	1.66	1.09	130	<0.494	14.3	<0.494	7.35	<0.494	<0.494	15.6	0.460 J	<0.494	1.45	3.81	<0.494	<0.494	2.89	<0.494	<0.987	<0.987	507
			68-12-1-6	6	3/2/2022	ng/g	238	<0.993	<0.496	1.66	0.463 J	146	<0.496	3.11	<0.496	6.65	<0.496	<0.496	20.1	0.479 J	<0.496	1.22	4.74	<0.496	<0.496	3.84	<0.496	<0.993	<0.993	426
		68-12-2	68-12-2-3	3	3/2/2022	ng/g	31.0	<0.971	<0.486	14.8	4.27	20.7	<0.486	57.2	<0.486	134	<0.486	<0.486	65.0	3.78	8.88	5.34	0.788 J	<0.486	<0.486	1.48	<0.486	7.56	<0.971	355
			68-12-2-6	6	3/2/2022	ng/g	1.66	<0.974	<0.487	6.90	5.29	2.04	<0.487	37.3	<0.487	113	<0.487	<0.487	59.1	3.54	7.87	4.34	<0.974	<0.487	<0.487	<0.974	<0.487	<0.974	<0.974	241
Maximum Concentration						ng/g	**1,140**	**ND**	**ND**	**14.8**	**19.4**	**146**	**ND**	**57.2**	**ND**	**134**	**0.549**	**ND**	**65**	**3.78**	**9.18**	**5.34**	**52**	**ND**	**ND**	**3.84**	**ND**	**10.4**	**ND**	**1,274**
Construction Worker -- SFBRWQCB ESL (Direct Contact)[1]						ng/g	290	NL	NL	NL	NL	NL	NL	NL	NL	93	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	Various
Commercial/Industrial Worker -- USEPA RSL (Direct Contact)[2]						ng/g	1,600	NL	NL	NL	NL	NL	NL	NL	NL	2,500	NL	NL	16,000	NL	250,000	NL	NL	2,500	NL	NL	NL	NL	NL	Various

Notes:
The soil samples were analyzed for PFAS by Vista Analytical Laboratory, a California Environment Laboratory Accreditation Program (ELAP), using Vista's PFAS Isotope Dilution Method for the 23 PFAS analytes. This method is compliant with Department of Defense (DoD) Table B-15 of Quality Systems Manual (QSM), dated 2017, version 5.1 or later.
PFAS = Per- and Polyfluoroalkyl Substances
Total PFAS were calcuated using detected values shown on this table.
Sample depth = feet below where native soil is first encountered
ng/g = nanograms per gram
< = constituent was not detected at a concentration equal to or greater than the laboratory reporting limit
J = The result is an estimated concentration. The associated numerical value is the approximate concentration of the analyte in the sample.
Q = The ion transition ratio is outside the accepted criteria.
NL = Screening level is not listed or established by the respective regulatory agency.

References:
[1] San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Transmittal of Interim Final Environmental Screening Levels (ESLs) for Two Per-and Polyfluoroalkyl Substances (PFAS):Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoate (PFOA). Dated May 2020. https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/ESL/PFAS_ESL_Memo.pdf
[2] USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs) for Composite Worker Soil Table with a Target Hazard Quotient (THQ) of 1.0. May.

GSI ENVIRONMENTAL

TABLE 9: VOLATILE ORGANIC COMPOUNDS (VOCS) IN SOIL VAPOR

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (1,1-DCE)	Carbon Tetrachloride	Chloroform	Toluene	Other VOCs
Soil Vapor Samples													
61W	1	61W-1-2	61W-1-2-5	5	4/19/2022	µg/m^3	<20	7,400	300	35	<20	<200	ND
			61W-1-2-15	15	4/19/2022	µg/m^3	<20	11,000	590	<20	24	<200	ND
		61W-1-7	61W-1-7-5	5	4/19/2022	µg/m^3	<20	5,000	650	30	<20	<200	ND
			61W-1-7-15	15	4/19/2022	µg/m^3	32	9,800	1,500	64	<20	<200	ND
			61W-1-7-15N	15	4/19/2022	µg/m^3	33	7,700	1,100	46	<20	<200	ND
		61W-1-9	61W-1-9-5	5	4/19/2022	µg/m^3	<20	340	<100	<20	<20	<200	ND
			61W-1-9-15	15	4/19/2022	µg/m^3	<20	1,900	<100	25	<20	<200	ND
61C	8	61C-8-6-SV10	61C-8-6-SV10-5	5	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			61C-8-6-SV10-15	15	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
62	9	62-9-1	62-9-1-5	5	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			62-9-1-5N	5	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			62-9-1-15	15	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
Proposed Bulding Footprint (61W, 61C, 62, and 63)	SVs	SV-1	SV-1-5	5	4/18/2022	µg/m^3	<20	730	460	27	<20	<200	ND
			SV-1-15	15	4/18/2022	µg/m^3	<20	1,900	1,400	54	<20	<200	ND
			SV-1-15N	15	4/18/2022	µg/m^3	<20	1,700	1,300	60	<20	<200	ND
		SV-2	SV-2-5	5	4/19/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-2-15	15	4/19/2022	µg/m^3	<20	71	140	<20	<20	<200	ND
		SV-3	SV-3-5	5	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-3-15	15	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
		SV-4	SV-4-5	5	4/18/2022	µg/m^3	<20	490	130	<20	<20	<200	ND
			SV-4-15	15	4/18/2022	µg/m^3	<20	1,100	460	29	<20	<200	ND
		SV-5	SV-5-5	5	4/18/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-5-15	15	4/18/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
		SV-6	SV-6-5	5	4/18/2022	µg/m^3	<20	62	<100	<20	<20	<200	ND
			SV-6-15	15	4/18/2022	µg/m^3	<20	280	<100	<20	<20	<200	ND
		SV-7	SV-7-5	5	4/18/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-7-15	15	4/18/2022	µg/m^3	<20	<20	<100	<20	<20	350	ND
		SV-8	SV-8-5	5	4/18/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-8-15	15	4/18/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
		SV-9	SV-9-5	5	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-9-15	15	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
		SV-11	SV-11-5	5	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-11-15	15	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
		SV-12	SV-12-5	5	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-12-15	15	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
		SV-13	SV-13-5	5	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-13-15	15	4/20/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND

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TABLE 9: VOLATILE ORGANIC COMPOUNDS (VOCS) IN SOIL VAPOR

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center

Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (1,1-DCE)	Carbon Tetrachloride	Chloroform	Toluene	Other VOCs
Proposed Bulding Footprint (61W, 61C, 62, and 63)	SVs	SV-14	SV-14-5	5	4/19/2022	µg/m^3	<20	59	<100	<20	<20	<200	ND
			SV-14-15	15	4/19/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
		SV-15	SV-15-5	5	4/19/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-15-15	15	4/19/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
		SV-16	SV-16-5	5	4/21/2022	µg/m^3	<20	<20	<100	<20	<20	390	ND
			SV-16-15	15	4/21/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
		SV-17	SV-17-5	5	4/21/2022	µg/m^3	<20	<20	<100	<20	<20	200	ND
			SV-17-15	15	4/21/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
		SV-18	SV-18-5	5	4/21/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-18-15	15	4/21/2022	µg/m^3	<20	<20	<100	<20	<20	210	ND
		SV-19	SV-19-5	5	4/21/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-19-5N	5	4/21/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
			SV-19-15	15	4/21/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
Quality Assurance/Quality Control Samples													
--	--	--	EB-2022-0418	--	4/18/2022	µg/m^3	<20	<20	<100	<20	<20	<200	ND
					Maximum Concentration	µg/m^3	**33**	**11,000**	**1,500**	**64**	**24**	**390**	**ND**
Residential Soil Vapor Screening Levels [1]													
					DTSC Future Residential Building (AF=0.001)	µg/m^3	460	480	73,000	470	120	310,000	Various
					USEPA All Building (AF=0.03)	µg/m^3	15	16	2,400	16	4.0	10,000	Various
Commerical / Industrial Soil Vapor Screening Levels [1]													
					DTSC Future Commercial/Industrial Building (AF=0.0005)	µg/m^3	4,000	6,000	620,000	4,000	1,060	2,600,000	Various
					USEPA All Building (AF=0.03)	µg/m^3	67	100	10,000	67	18	43,000	Various

Notes:

Soil vapor samples were collected and analyzed by H&P Mobile Geochemistry Inc. for VOCs using USEPA Method 8260 modified for soil vapor.
Sample depth = feet below where native soil is first encountered
µg/m^3 = micrograms per cubic meter
< = constituent was not detected at a concentration equal to or greater than laboratory reporting limit
N = replicate sample
ND = not detected

[1] Soil vapor results are compared to soil vapor screening levels generated by applying default attenuation factors (AF) for all buildings (0.03), as published by the USEPA (2015), or for future residential buildings (0.001), or for future commercial buildings (0.0005), as published by the DTSC (2011) to regional screening levels for indoor air under commercial/industrial land use published by the USEPA (2022) and modified by the DTSC (2022).

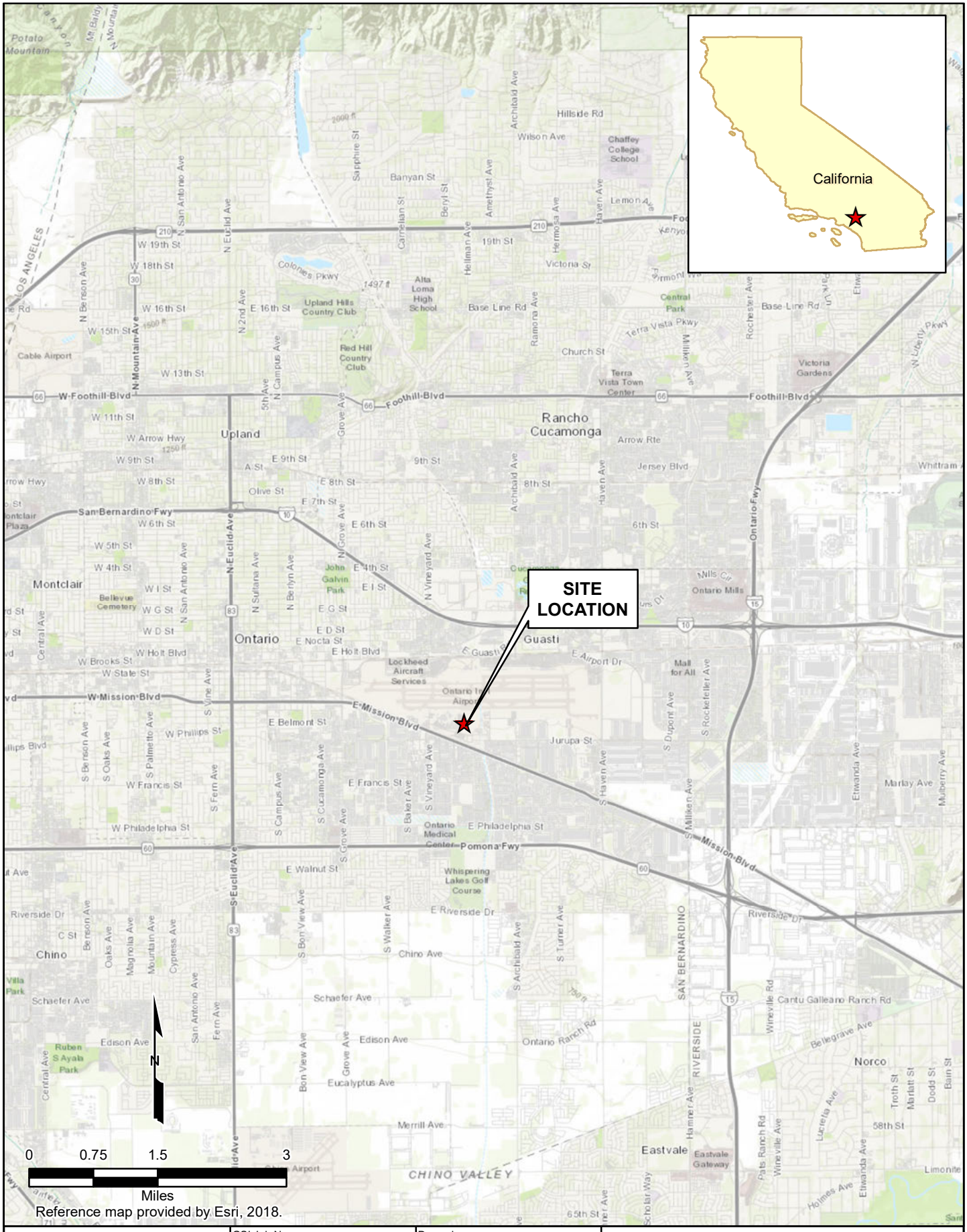
References:

DTSC, 2011, Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance), October.
DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). Revised May.
USEPA, 2015, OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, June.
USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

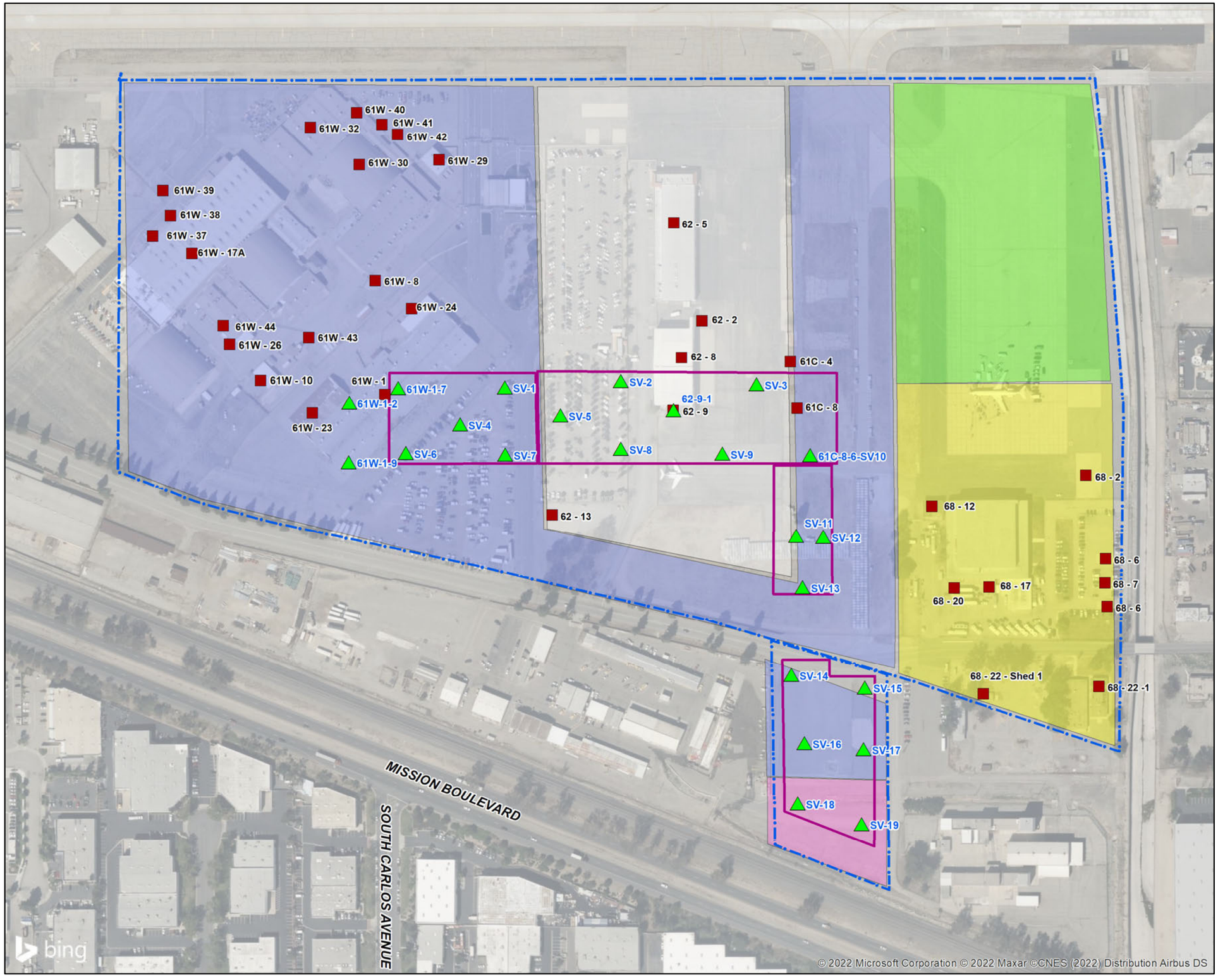
FIGURES

Figure 1. Site Location Map
Figure 2. Phase II Environmental Investigation Locations
Figure 3. VOC Detections in Soil Samples
Figure 4. VOC Soil Sampling Locations – 61W-17A
Figure 5. VOC Soil Sampling Locations – 61W-30
Figure 6. VOC Soil Sampling Locations – 61W-32
Figure 7. VOC Soil Sampling Locations – 61W-44
Figure 8. PFOS, PFOA and Total PFAS in Soil
Figure 9. Total PFAS in Soil at 3 Feet
Figure 10. Total PFAS in Soil at 6 Feet
Figure 11. Detected VOCs in Soil Vapor
Figure 12. Total VOCs in Soil Vapor Probes at 5 Feet
Figure 13. Total VOCs in Soil Vapor Probes at 15 Feet



Reference map provided by Esri, 2018.

GSI ENVIRONMENTAL	GSI Job No. 5925	Drawn by: AV	**SITE LOCATION MAP**
	Issued: 3-Nov-2022	Chk'd by: SC	
	Revised:	Aprv'd by: BT	Proposed 97-Acre Project Magellan Airport Cargo Distribution Center Ontario, California
	Map ID: ONT_SiteLocMap	**FIGURE 1**	



N

LEGEND

- Boring Locations with Dual-Nested Vapor Probe
- Phase II Environmental Investigation Location
- Proposed Buildings
- Site Investigation

Parcel Designations

- Parcel 61C, 61S and 61W
- Parcel 62
- Parcel 63
- Parcel 67
- Parcel 68

68-12 Parcel Number - Investigation Number

Notes

Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).

Feet
0 125 250

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

GSI ENVIRONMENTAL

PHASE II ENVIRONMENTAL INVESTIGATION LOCATIONS

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	**ONT_PH2Locs**	Appv'd By:	BT

FIGURE 2



N

LEGEND

- Boring Locations with Dual-Nested Vapor Probe
- Soil Sampling Locations
- Proposed Building

Notes

1) Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).
2) Depth = feet below where native soil is first encountered; units = micrograms per kilogram (µg/kg); TCE = trichloroethene.
3) Data boxes for sample locations that VOCs were not detected are not shown.

Feet
0 25 50

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

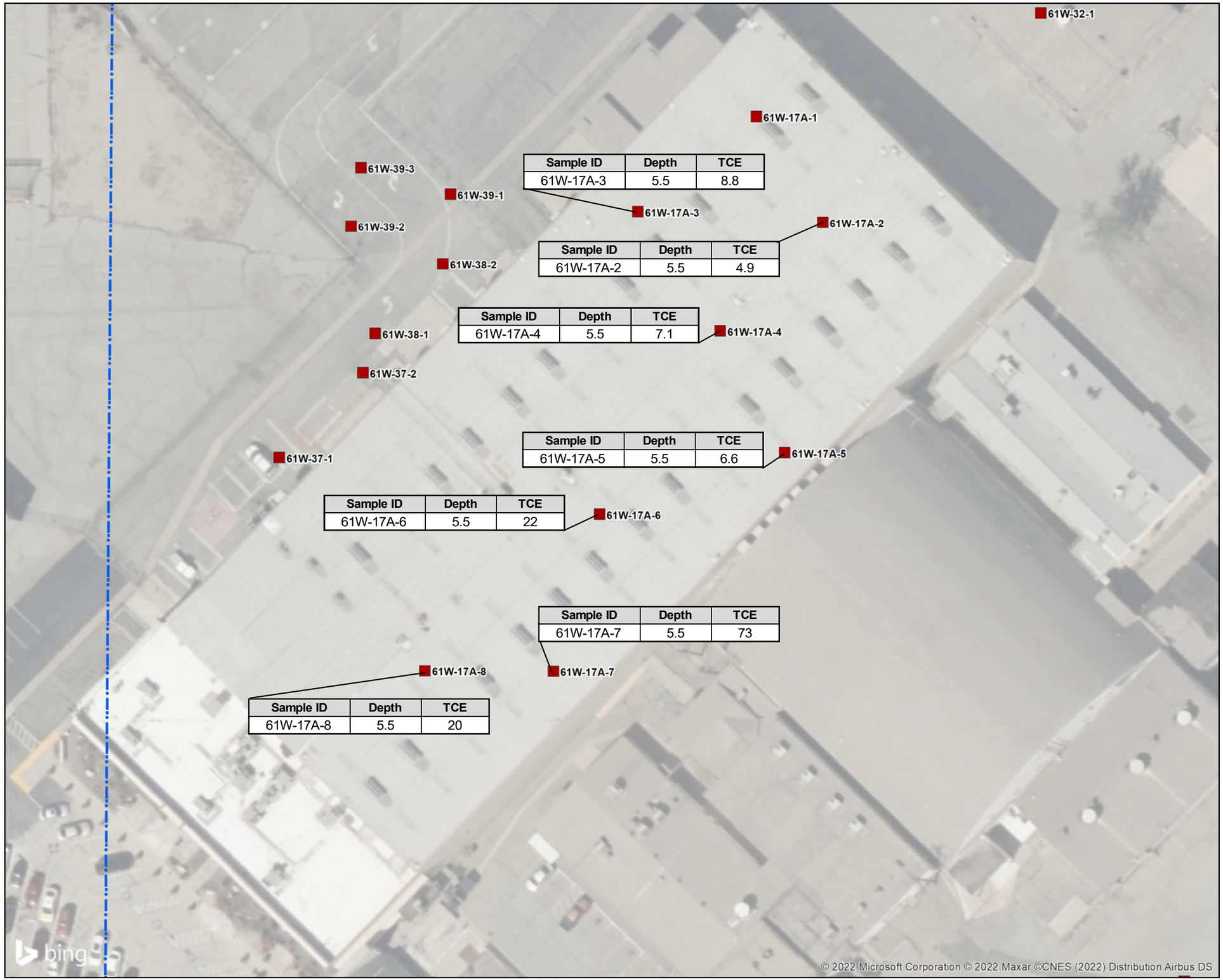
GSI ENVIRONMENTAL

VOC DETECTIONS IN SOIL SAMPLES

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	TN
Map ID:	ONT_PH2VOC_61W1	Appv'd By:	BT

FIGURE 3



N

LEGEND

- VOC Soil Sampling Location
- Investigation Area

Notes

1) Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).
2) Depth = feet below where native soil is first encountered; units = micrograms per kilogram (µg/kg); TCE = trichloroethene.
3) Data boxes for sample locations that VOCs were not detected are not shown.

Feet
0 22.5 45

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

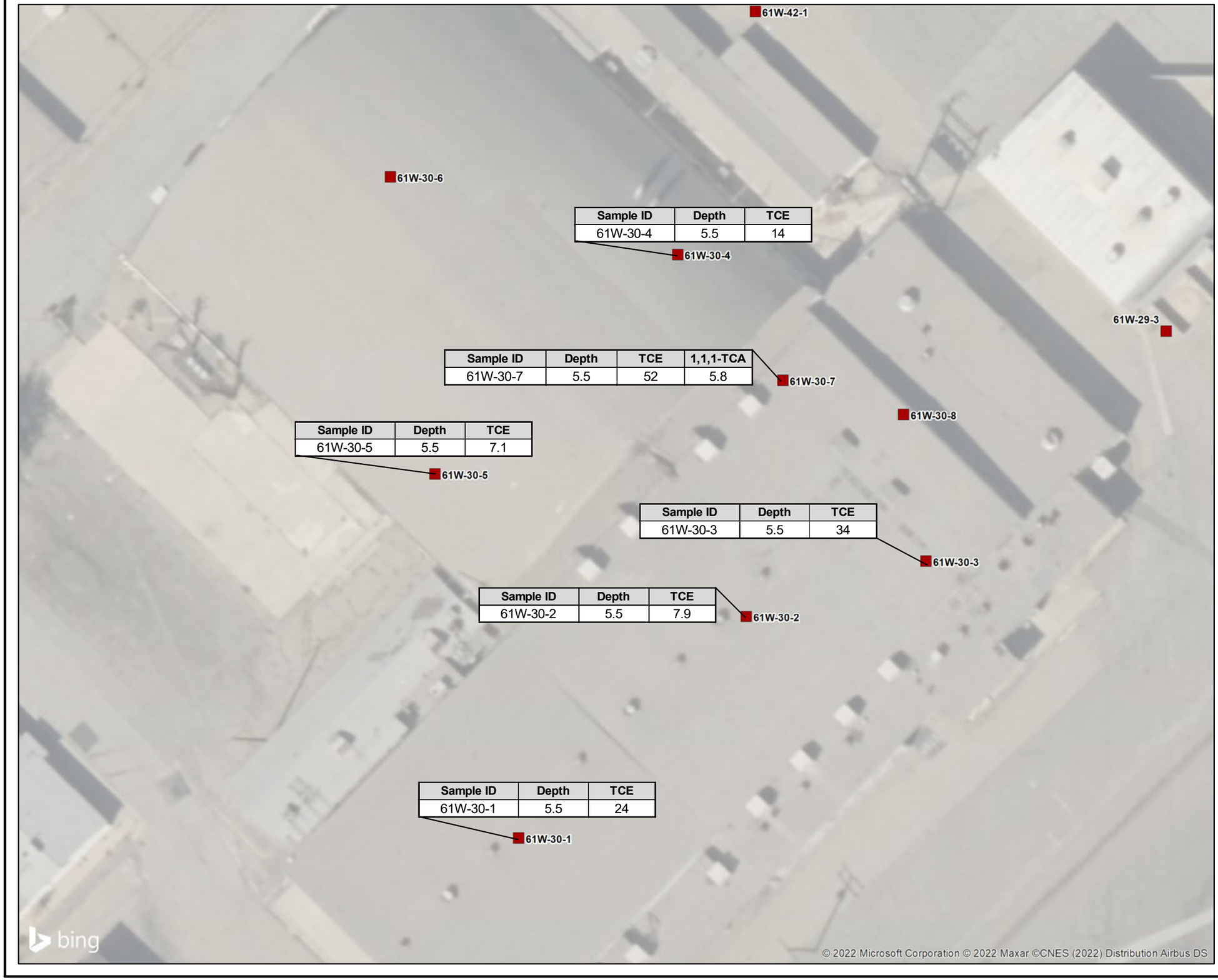
GSI ENVIRONMENTAL

VOC SOIL SAMPLING LOCATIONS - 61W-17A

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	TN
Map ID:	ONT_PH2_61W17A	Appv'd By:	BT

FIGURE 4



N

LEGEND

- VOC Soil Sampling Location

Notes

1) Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).
2) Depth = feet below where native soil is first encountered; units = micrograms per kilogram (µg/kg); TCE = trichloroethene; 1,1,1-TCA = 1,1,1-Trichloroethane.
3) Data boxes for sample locations that VOCs were not detected are not shown.

Feet
0 15 30

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

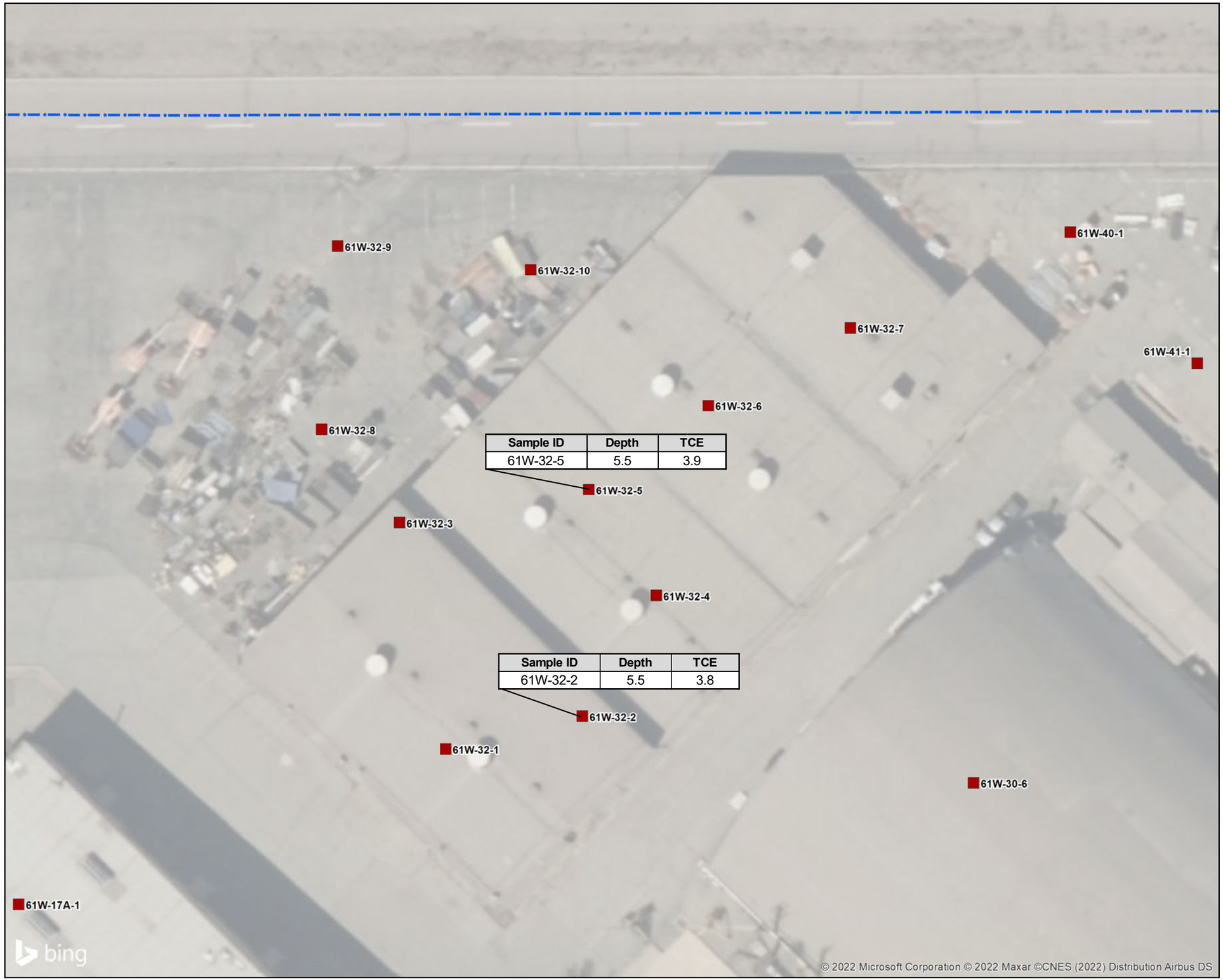
GSI ENVIRONMENTAL

VOC SOIL SAMPLING LOCATIONS - 61W-30

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	TN
Map ID:	**ONT_PH2_61W30**	Appv'd By:	BT

FIGURE 5



N

LEGEND

- VOC Soil Sampling Location
- Investigation Area

Notes

1) Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).
2) Depth = feet below where native soil is first encountered; units = micrograms per kilogram (µg/kg); TCE = trichloroethene.
3) Data boxes for sample locations that VOCs were not detected are not shown.

Feet
0 15 30

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

GSI ENVIRONMENTAL

VOC SOIL SAMPLING LOCATIONS - 61W-32

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	TN
Map ID:	ONT_PH2_61W32	Appv'd By:	BT

FIGURE 6



N

LEGEND

- VOC Soil Sampling Location

Notes

1) Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).
2) Depth = feet below where native soil is first encountered; units = micrograms per kilogram (µg/kg); TCE = trichloroethene.
3) Data boxes for sample locations that VOCs were not detected are not shown.

Feet
0 10 20

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

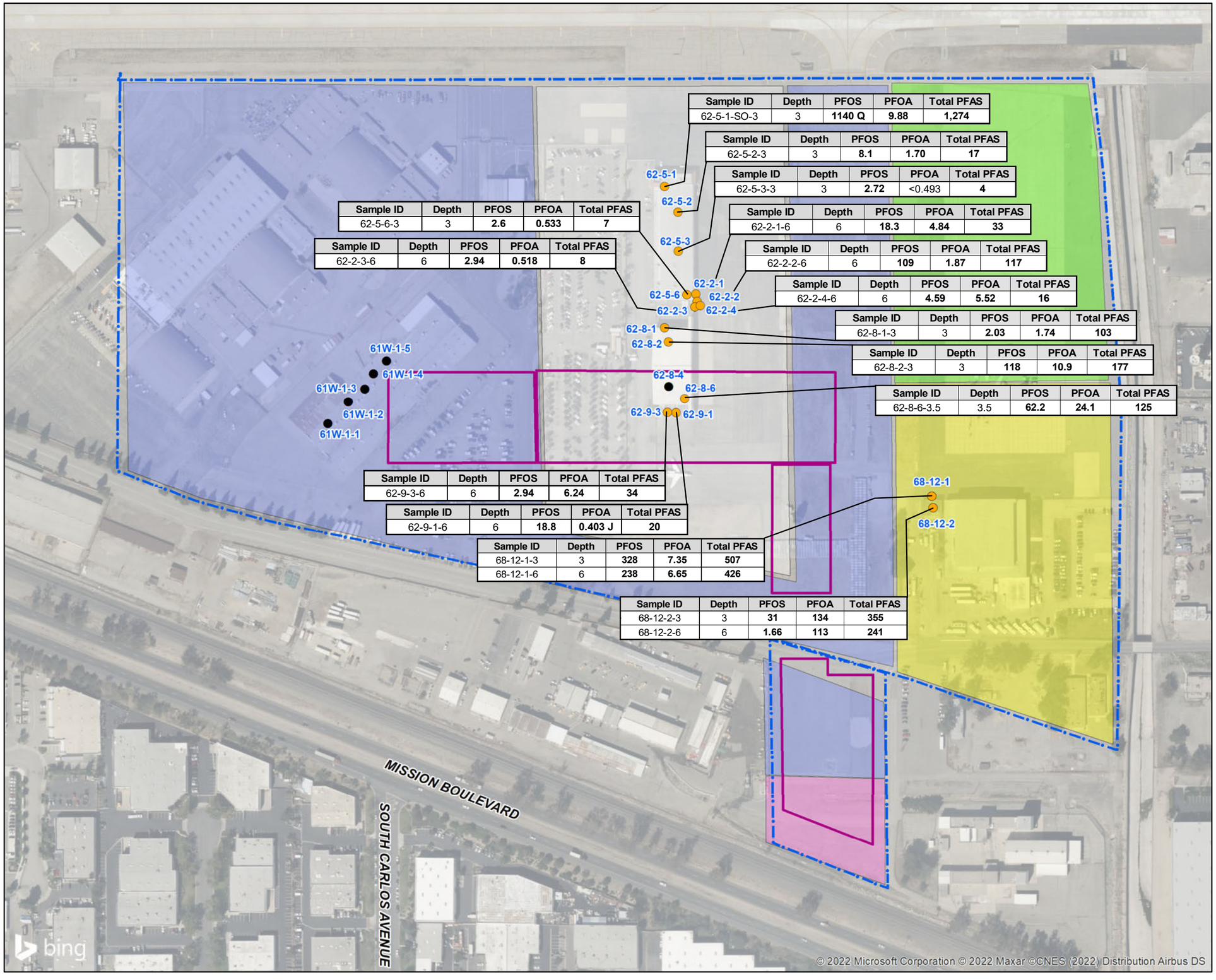
GSI ENVIRONMENTAL

VOC SOIL SAMPLING LOCATIONS - 61W-44

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	TN
Map ID:	**ONT_PH2_61W44**	Appv'd By:	BT

FIGURE 7



LEGEND

- Soil Samples with PFAS Detections
- Soil Samples with No PFAS Detections
- Proposed Buildings
- Investigation Area

Parcel Designations

- Parcel 61C, 61S, and 61W
- Parcel 62
- Parcel 63
- Parcel 67
- Parcel 68

Notes

1) Imagery downloaded from Microsoft Bing, 2021.
2) Total PFAS = total detected amount of 23 PFAS analytes.
3) PFAS = Per- and Polyfluoroalkyl Substances; Depth = feet below where native soil is first encountered; units = nanograms per gram (ng/g); Q = the ion transition ratio is outside the accepted criteria; J = estimated value; < = constituent was not detected at a concentration equal to or greater than the laboratory reporting limit.

Feet
0 125 250

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

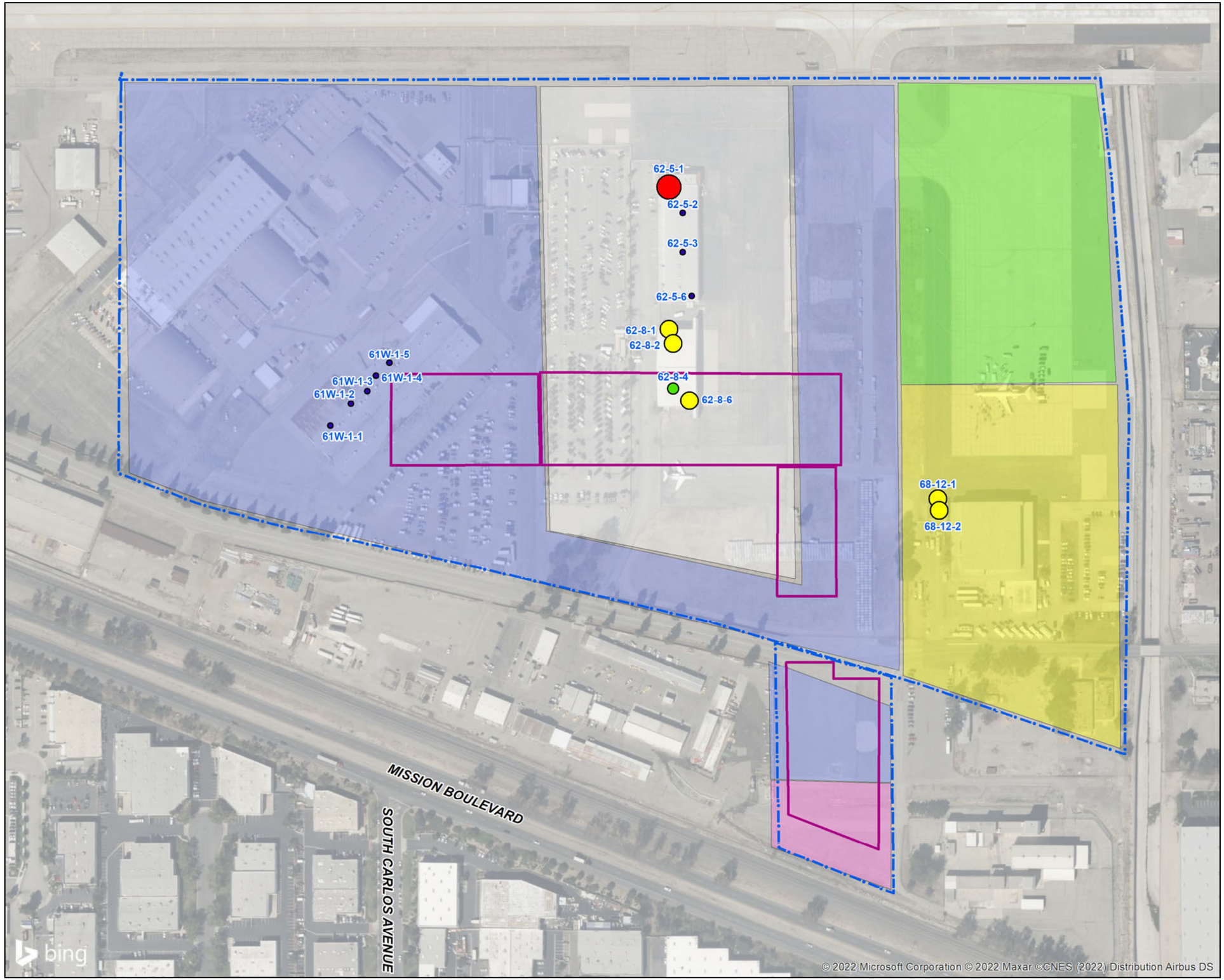
GSI ENVIRONMENTAL

PFOS, PFOA AND TOTAL PFAS IN SOIL

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	ONT_PFAS_SO	Appv'd By:	BT

FIGURE 8



LEGEND

Total PFAS in Nanograms per gram

- 0 - 50
- 50 - 100
- 100 - 1,000
- >1,000
- Proposed Buildings
- Investigation Area

Parcel Designations

- Parcel 61C, 61S and 61W
- Parcel 62
- Parcel 63
- Parcel 67
- Parcel 68

Notes

1) Imagery downloaded from Microsoft Bing, 2021.
2) Total PFAS = total detected amount of 23 PFAS analytes.
3) Two samples (62-8-4 and 62-8-6) are from 3.5 feet below ground surface.

Feet
0 125 250

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

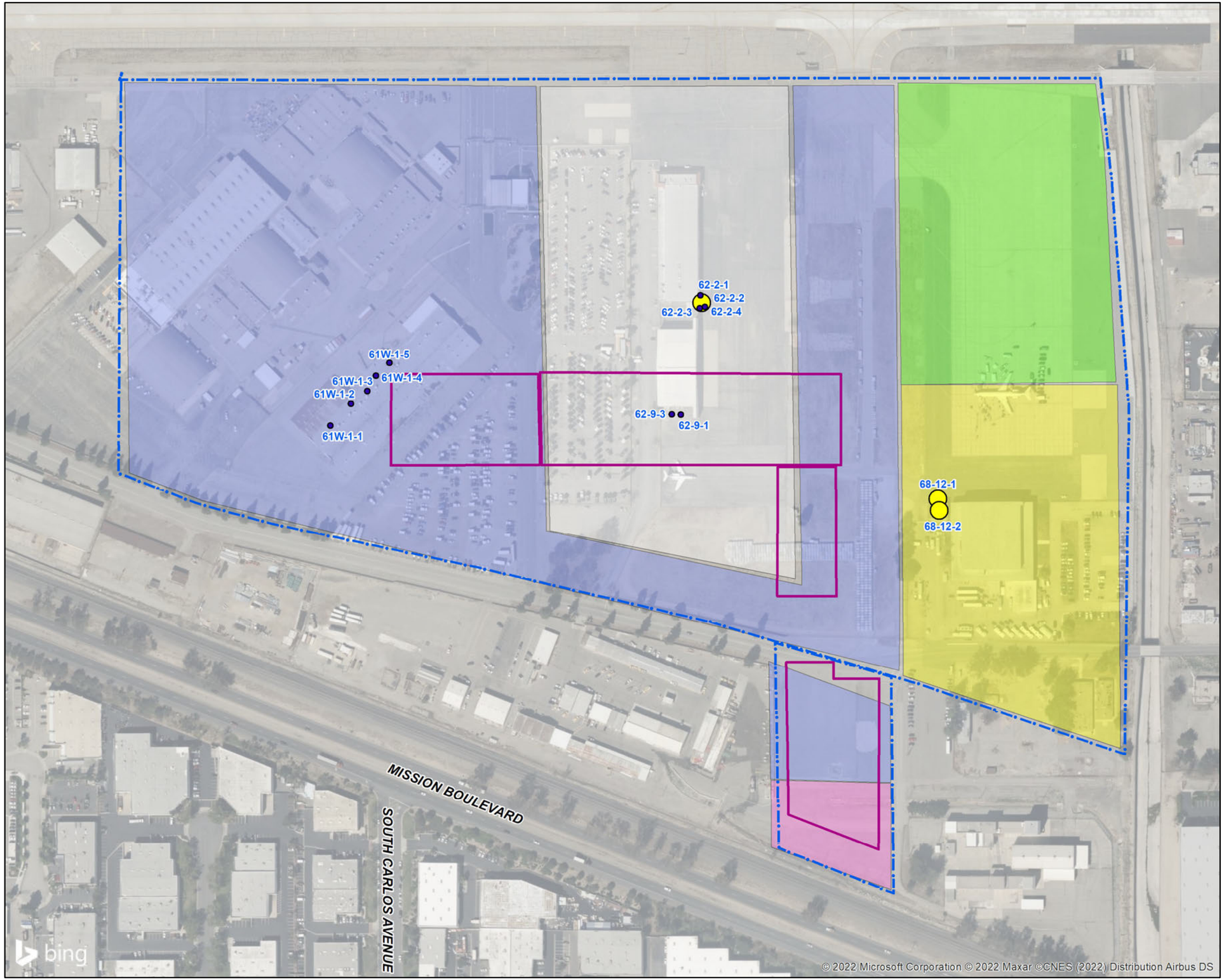
GSI ENVIRONMENTAL

TOTAL PFAS IN SOIL AT 3 FEET

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	**ONT_SO3ft_PFAS**	Appv'd By:	BT

FIGURE 9



LEGEND

Total PFAS in Nanograms per gram

- 0 - 50
- 50 - 100
- 100 - 1,000
- >1,000
- Proposed Buildings
- Investigation Area

Parcel Designations

- Parcel 61C, 61S and 61W
- Parcel 62
- Parcel 63
- Parcel 67
- Parcel 68

Notes

1) Imagery downloaded from Microsoft Bing, 2021.
2) Total PFAS = total detected amount of 23 PFAS analytes.

Feet
0 125 250

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

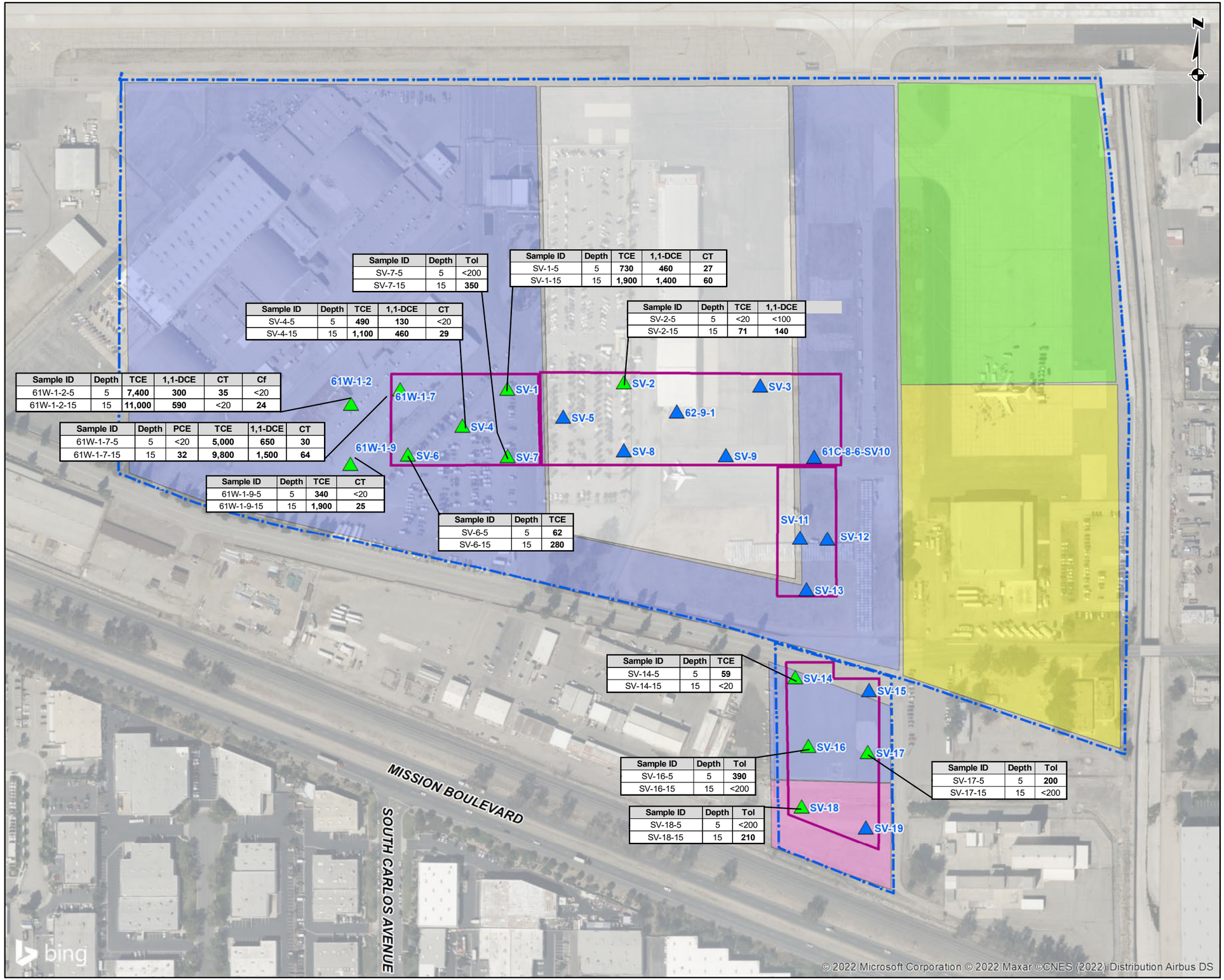
GSI ENVIRONMENTAL

TOTAL PFAS IN SOIL AT 6 FEET

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	**ONT_SO6ft_PFAS**	Appv'd By:	BT

FIGURE 10



Sample ID	Depth	TCE	1,1-DCE	CT	Cf
61W-1-2-5	5	**7,400**	**300**	**35**	<20
61W-1-2-15	15	**11,000**	**590**	<20	**24**

Sample ID	Depth	PCE	TCE	1,1-DCE	CT
61W-1-7-5	5	<20	**5,000**	**650**	**30**
61W-1-7-15	15	**32**	**9,800**	**1,500**	**64**

Sample ID	Depth	TCE	CT
61W-1-9-5	5	**340**	<20
61W-1-9-15	15	**1,900**	**25**

Sample ID	Depth	TCE
SV-6-5	5	**62**
SV-6-15	15	**280**

Sample ID	Depth	Tol
SV-7-5	5	<200
SV-7-15	15	**350**

Sample ID	Depth	TCE	1,1-DCE	CT
SV-4-5	5	**490**	**130**	<20
SV-4-15	15	**1,100**	**460**	**29**

Sample ID	Depth	TCE	1,1-DCE	CT
SV-1-5	5	**730**	**460**	**27**
SV-1-15	15	**1,900**	**1,400**	**60**

Sample ID	Depth	TCE	1,1-DCE
SV-2-5	5	<20	<100
SV-2-15	15	**71**	**140**

Sample ID	Depth	TCE
SV-14-5	5	**59**
SV-14-15	15	<20

Sample ID	Depth	Tol
SV-16-5	5	**390**
SV-16-15	15	<200

Sample ID	Depth	Tol
SV-17-5	5	**200**
SV-17-15	15	<200

Sample ID	Depth	Tol
SV-18-5	5	<200
SV-18-15	15	**210**

LEGEND

- VOCs Detected in Dual-Nested Vapor Probes
- VOCs Not Detected in Dual-Nested Vapor Probes
- Proposed Buildings
- Investigation Area

Parcel Designations

- Parcel 61C, 61S and 61W
- Parcel 62
- Parcel 63
- Parcel 67
- Parcel 68

Notes

1) Imagery downloaded from Microsoft Bing, 2021.
2) Depth = feet below ground surface; units = micrograms per cubic meter (µg/m3); < = not detected above the designated laboratory reporting limit; CT = carbon tetrachloride; Cf = chloroform; Tol = toluene; PCE = tetrachloroethene; TCE = trichloroethene; DCE = dichloroethene.
3) PCE, TCE, 1,1-DCE, carbon tetrachloride, chloroform, and toluene were VOCs with reportable concentrations and are the only ones reported on this figure. If a databox for the constituent is not shown, it means that constituent was not detected at or above the laboratory reporting limits (RLs). Where only "ND" (not detected) is listed, no constituent was identified above the RLs.

Feet
0 125 250

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

GSI ENVIRONMENTAL

DETECTED VOCs IN SOIL VAPOR

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	**ONT_VOCsSV**	Appv'd By:	BT

FIGURE 11



LEGEND

Total VOCs in Soil Vapor (µg/m^3)

- Not Detected at 5 Feet Below Ground Surface
- 1 - 500
- 501 - 2,000
- 2,001 - 6,000
- >6,000
- Proposed Buildings
- Investigation Area

Parcel Designations

- Parcel 61C, 61S, and 61W
- Parcel 62
- Parcel 63
- Parcel 67
- Parcel 68

Notes

1) Imagery downloaded from Microsoft Bing, 2021.
2) Total VOCs = total detected amount of VOC analytes.
3) µg/m^3 = micrograms per cubic meter.

Feet
0 125 250

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

GSI ENVIRONMENTAL

TOTAL VOCs IN SOIL VAPOR PROBES AT 5 FEET

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	**ONT_VOCs_SV5ft**	Appv'd By:	BT

FIGURE 12



LEGEND

Total VOCs in Soil Vapor (µg/m^3)

- Not Detected at 15 Feet Below Ground Surface
- 1 - 500
- 501 - 2,000
- 2,001 - 6,000
- >6,000
- Proposed Buildings
- Investigation Area

Parcel Designations

- Parcel 61C, 61S, and 61W
- Parcel 62
- Parcel 63
- Parcel 67
- Parcel 68

Notes

1) Imagery downloaded from Microsoft Bing, 2021.
2) Total VOCs = total detected amount of VOC analytes.
3) µg/m^3 = micrograms per cubic meter.

Feet
0 125 250

Projected Coordinate System
Datum: NAD 1983
State Plane California Zone V
Units: Feet

GSI ENVIRONMENTAL

TOTAL VOCs IN SOIL VAPOR PROBES AT 15 FEET

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	**ONT_VOCs_SV15ft**	Appv'd By:	BT

FIGURE 13

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

APPENDICES

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

APPENDIX A

SubSurface Surveys Geophysical Survey Report

SubSurface Surveys
An Applied Geophysical Company
2075 Corte Del Nogal, Suite W
Carlsbad, California 92011
Office: 760-476-0492
Fax: 760-476-0493

GSI
Attn: Vinnie Robino
475 Goddard, Suite 200
Irvine, California 92618

February 24th, 2022

Subject: Geophysical Survey
Ontario International Airport
2500 E Airport Dr
Ontario, California

Project Number: 22-050

This report is to present the results of our geophysical survey carried over multiple areas of Ontario International Airport located at 2500 East Airport Drive in Ontario, California (Figure 1), from February 8th through 16th, 2022 (excluding February 11th to 13th). Purpose of the survey was to locate and identify, insofar as possible, the existence of any backfilled excavations that may exist within nine (9) predetermined areas located in different sections of the subject property. A secondary purpose of the survey was to locate and delineate underground utilities around the vicinity of multiple drain systems (i.e. sumps, clarifiers, drain inlets/outlets, etc.) for guidance in future borehole placement. And lastly, once these underground utilities were marked and identified, one hundred and forty-three (143) specific boreholes were positioned by the client around the aforementioned items in addition to other specific areas on the subject property.

A combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) were applied to the search. A utility locator with line tracing capabilities was also brought to the field and used where risers exist onto which a signal could be impressed and traced.

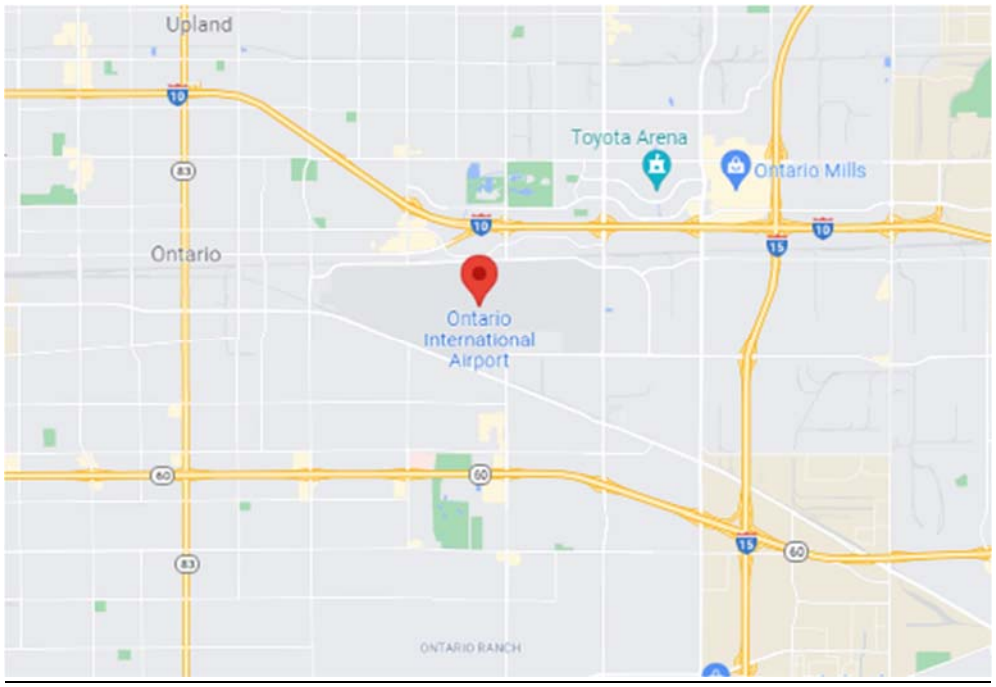


FIGURE 1a –Site Location Map (Map data ©2022 Google)

Survey Design – The areas to be surveyed were indicated in the field by the client and can be seen on the Area Location Map with purple circles (Figure 1b).

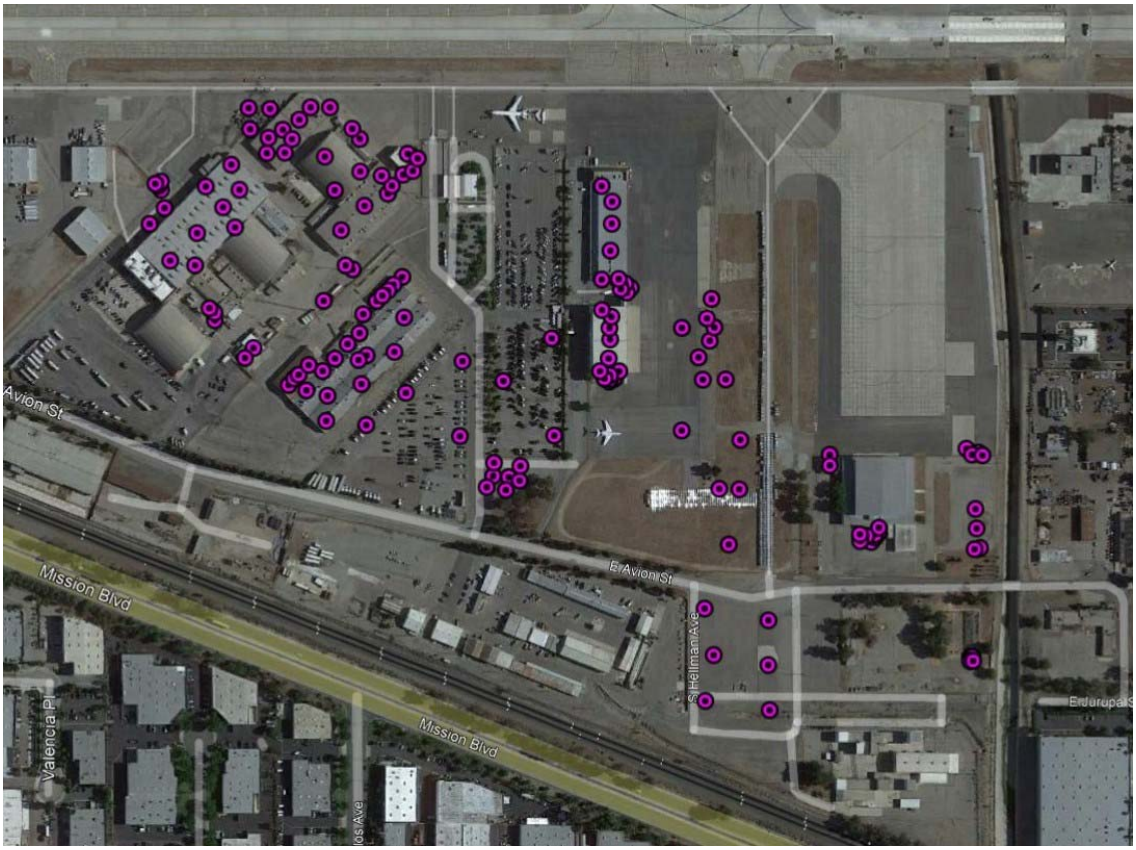


FIGURE 1b –Area Location Map (Map data ©2022 Google)

The EM61 and GPR were traversed in a reconnaissance mode over the suspect excavation areas. Once these areas, if any, were established, the magnetic gradiometer, line tracer, M-Scope and GPR were traversed systematically in many directions. Additional traverses were taken, access permitting, for detailing and confirmation where anomalous conditions were found. Multiple GPR profiles were also collected throughout the area and in specific areas for confirmation where other instruments detected anomalies. The line tracer was also used to trace out all detectable utilities in the area.

For the secondary purpose, the EM61, GPR, magnetic gradiometer, M-scope and line tracer were systematically traversed in many directions around each drain system. Additional traverses were taken, access permitting, for detailing and confirmation where anomalous conditions were found. Multiple GPR profiles were also collected throughout the area and in specific areas for confirmation where other instruments detected anomalies. The line tracer was also used to trace out all detectable utilities in the area.

And lastly, each instrument was traversed systematically over each proposed borehole, along the eight lines of the standard search pattern (Figure 2), wherein, there are two sets of three parallel lines, mutually orthogonal, and two diagonals, all centered on the marked drill location. Adjacent parallel lines are approximately 5 feet apart, and each line is approximately 20 feet long, access permitting. Other traverses were taken, access permitting, for detailing and confirmation where anomalous conditions were found.

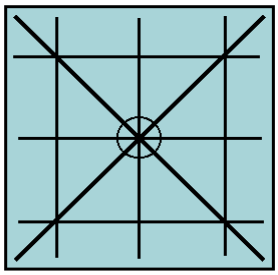


Figure 2: Standard search pattern around borehole

Hard copy of the EM data was not acquired, that is, discrete readings on the nodes of a grid were not recorded that could be put into a contoured map format. Rather, the instruments' meters were read continuously, and in real-time, during each traverse. This free-traversing method allowed for immediate detection of anomalous objects and facilitated the opportunity to investigate them further, without first having to download data in the office. The lack of hard copy for EM data sets does not degrade the quality of the survey in any way. Hard copy merely provides a basis for report documentation of these geophysical fields, if such documentation is needed.

The line tracers were used to impress signals onto pipes, generally through accessible risers and tracer wires when present, to delineate the lines' locations and orientations. The instruments were also used in passive mode, configured to detect 60 Hz electrical signals and other common radio-frequency signals.

A Geonic's model EM61 and a Fischer M-Scope was used for the EM sampling. A Sensors and Software Noggin Ground Penetrating Radar unit with a 500 MHz antenna produced the radar images. The magnetic gradiometer was a Schonstedt GA-52, and a Metrotech 9890 and RIDGID SR-60 SeekTech utility locator rounded out the tools applied.

Brief Description of the Geophysical Methods Applied - The line locator is used to passively detect energized high voltage electric lines and electrical conduit (50-60 Hz), VLF signals (14-22 kHz), as well as to actively trace other utilities. Where risers are present, the utility locator transmitter can be connected directly to the object, and a signal (9.8-82 kHz) is sent traveling along the conductor, pipe, conduit, etc. In the absence of a riser, the transmitter can be used to impress an input signal on the utility by induction. In either case, the receiver unit is tuned to the input signal, and is used to actively trace the signal along the pipe's surface projection.

The magnetic gradiometer has two flux gate magnetic fixed sensors that are passed closely to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits a sound signal at a low frequency. When the instrument passes over a buried iron or steel object, so that locally there is a high magnetic gradient, the frequency of the emitted sound increases. The frequency is a function of the gradient between the two sensors.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at a boundary in the subsurface across which there is an electrical contrast. The instrument produces a continuous record of the reflected energy as the antenna is traversed across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The radar wave travels at a velocity unique to the material properties of the ground being investigated, and when these velocities are known, the two-way travel times can be converted to depth. The depth of penetration and image resolution produced are a function of ground electrical conductivity and dielectric constant.

The EM61 instrument is a high resolution, time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long time interval (measured in milliseconds) after termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a super-sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets.

The M-Scope device energizes the ground by producing an alternating primary magnetic field with AC current in a transmitting coil. If conducting materials are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs the response to a meter in the form of ground conductivity values for the M-Scope. The strength of the secondary field is a function of the conductivity of the object, say a pipe, tank or cluster of drums, its size, and its depth and position relative to the instrument's two coils. Conductive objects, to a depth of approximately 7 feet for the M-Scope are sensed. The devices are also somewhat focused; that is, they are more sensitive to conductors below the instrument than they are to conductors off to the side.

Interpretation and Conclusions - The interpretation took place in real time as the survey progressed, and accordingly, the findings of our investigation were marked on the ground cover with spray marking paint for the exterior boreholes and colored electrical tape was used for some of the interior areas and were further documented with site photographs (Figures 3-146), and radar images (Figures 147-155).

Piping and utilities detected during the survey were marked with spray marking paint on the ground cover using red for electric, yellow for gas, orange for communication, green for sanitary sewer/storm drain, green dashed lines were used to delineate the boundaries of each drain system (i.e. clarifiers, sumps, drains, etc.), orange dashed lines were used to delineate the boundaries of GPR Anomalies, pink dashed lines were used to delineate the boundaries of an EM Anomaly and white for lines of unknown utility type, buried vaults, footings and foundations.

There were 9 areas surveyed with geophysical instrumentation in attempts to determine the approximate location of former underground storage tanks. In some areas, more than one UST previously existed; however, using radar technology, once a backfilled excavation-like image is detected, the entire boundaries will be delineated and marked on the ground with orange spray marking paint. Radar imagery was captured over each GPR Anomaly and can be seen and referenced in the graphics in sequential order (Figures 147-155). Depending on soil conditions, backfilled materials, or near surface and/or subsurface features, anomalous characteristics may differ from one to the next. When locating and identifying a possible backfilled excavation, multiple factors are considered. These conditions may include but are not limited to; terminated lines, visible vent risers, asphalt cracking, existing fuel stations, etc. In some cases, site clues are not beneficial or do not exist and our reliance solely depends on the geophysical equipment. In some areas backfilled excavations can easily be detected with the radar system; however other areas may be more subtle where a “best candidate” anomaly will be marked if one can be identifiable.

GPR Anomaly #1 measures approximately 18 feet long and 9 feet wide and is located immediately adjacent to a possible buried vault (Figure 23). Radar imagery shows deeper penetrating levels over this anomaly, which may be caused by an existing void space (Figure 147). Asphalt cracking surrounded the anomalous feature, which may be caused by previous digging and/or excavating activities. The presence of a possible buried vault

sitting immediately adjacent to this anomaly is uncertain. A borehole was positioned between the potential vault and GPR Anomaly #1. There were no underground metallic objects detected within the boundaries of this anomaly.

GPR Anomaly #2 measures approximately 52 feet long and 16 feet wide (Figures 65-67). Radar imagery shows a soil depression suggesting that previous digging and/or excavating activities occurred here (Figure 148). Two unknown pipes were detected to terminate within the boundaries of this anomaly (Figure 66 and 67). One of these pipes led to a possible vent line still in place located adjacent to a fire suppression system (Figure 67). Asphalt cracking was also observed around the perimeter. An existing sewer line was detected running through the anomaly, so if this was indeed a former tank hold, the tank would then most likely predate the sewer line. There were no underground metallic objects detected within the boundaries of this anomaly.

GPR Anomaly #3 measures approximately 31 feet by 39 feet and is sandwiched between two sewer lines (Figures 70-73). Radar imagery shows a slanted reflection on both sides which is likely caused by the side walls of a backfilled excavation (Figure 149). An electric line was detected terminating within its southwestern boundary (Figure 73). These two conditions are common characteristics to a backfilled excavation. There were no underground metallic objects detected within the boundaries of this anomaly.

GPR Anomaly #4 measures approximately 22 feet long and 11 feet wide (Figure 75). Two unknown lines were detected in the vicinity of this anomalous feature; one of which terminated within its boundaries. Although radar imagery was subtle, there was a slight soil depression within the upper 2 feet of the near subsurface (Figure 150). This "depression" could be caused by previous scraping and/or excavating activities. GPR Anomaly #4 remains a potential backfilled excavation candidate because of these aforementioned factors. There were no underground metallic objects detected within the boundaries of this anomaly.

GPR Anomaly #5 measures approximately 28 feet long by 19 feet wide (Figures 76). Radar imagery was captured over this anomalous feature and similarly to GPR Anomaly #4 there was a slight soil depression within the upper 2 feet of the shallow subsurface (Figure 151). There was no other supporting evidence for the presence of a former tank hold. There were no underground metallic objects detected within the boundaries of this anomaly.

GPR Anomaly #6 measures approximately 15 feet by 19 feet and was located adjacent to a building structure within a parking space (Figure 81). Two unknown lines were detected in the vicinity of this anomaly; one of which terminated at the southwestern boundaries. Radar imagery here also shows a subtle soil depression or change within the upper 2 feet (Figure 152). This anomaly remains a candidate because of these soil characteristics and line termination. There were no underground metallic objects detected within the boundaries of this anomaly.

GPR Anomaly #7 measures approximately 50 feet long and 24 feet wide (Figures 106-108). Multiple linear features, both unknown and former electric lines, were found to terminate along its edges. Two of these linear features headed east towards an electric powered fuel shutoff station (Figures 107 and 108). Radar imagery shows deeper penetration levels and disturbed soils suggesting that previous excavating activities occurred here (Figure 153). There were no underground metallic objects within the boundaries of this anomaly.

GPR Anomaly #8 measures approximately 95 feet by 92 feet (Figures 110-114). Similarly to GPR Anomaly #7, multiple electric lines were found to originate from an electric powered fuel shutoff station and terminate at the edges of this anomaly (Figure 111). Radar imagery shows higher reflective properties and deeper penetration levels which are common characteristics to a backfilled excavation (Figure 154). Please note however there was an EM Anomaly detected within the center of GPR Anomaly #8. The EM Anomaly was a relatively low signature, meaning the metallic contents are most likely clusters of small bits of buried junk debris. The outer

most boundaries of this anomaly was marked on the ground cover with pink spray marking paint. The radar system did not detect any hyperbolic features suggestive of an underground storage tank.

GPR Anomaly #9 measures approximately 24 feet by 23 feet (Figures 121-124). Multiple unknown linear features were found terminating at the edges of this anomaly. Additionally, there is an active electric and gas line running through this feature. Radar imagery shows clear boundaries of this anomaly with a hyperbolic feature in the center, which is a gas line (Figure 155). The surrounding soils possess deeper reflective properties while the anomaly itself contrasts this characteristic. Because the soils differ, this suggests that previous excavating activities occurred here. It is unknown when these activities commenced as there are active utility lines present. Similar to GPR Anomaly #2, if an underground storage tank existed, it most likely predated the aforementioned utility lines. There were no other underground metallic objects detected within the boundaries of this anomaly.

Once all detectable buried cultural objects were marked and accounted for within each survey area, our findings were discussed in the field with the client. After our findings were discussed each borehole was then marked cleared by Subsurface Surveys and Associates with a white circle and a yellow "SSS". Please refer to the graphics along with the markings in the field for a better representation of our findings.

Limitations and Further Recommendations - It should be understood that limitations inherent in geophysical instruments and/or surveying techniques exist at all sites, and nearly all sites exhibit conditions under which instruments might not perform optimally. Consequently, the detection of buried objects in all circumstances **cannot be guaranteed**. Such limitations are numerous and include, but are not limited to, rebar-reinforced ground cover, abrupt changes in ground cover type, above-ground obstacles preventing full traverses or traverses in one direction only, above-ground conductive objects interfering with instrument signal, nearby powerlines or EM transmitters, highly conductive background soil conditions, limiting GPR penetration, non-metallic targets, shallower or larger objects shielding deeper or smaller targets, tracing signal jumping from one line to another, and inaccessible risers, cleanouts, valve boxes, and manholes. If one or more geophysical instrument is rendered ineffective and cannot be utilized, the quality of the survey can be somewhat degraded.

For the above reasons, and in the interest of maximum safety, we encourage our clients to take advantage of Underground Service Alert (USA), Dig Alert, or other similar services, when possible. Furthermore, we recommend hand-auguring and the use of a drilling method known as air knifing and vacuum extraction, when feasible or if applicable to this project. These methods may significantly limit damage to underground pipes, conduits, and utilities that might not have been detectable during the course of this survey. Please bear in mind, that geophysical surveying is only one of several levels of protection that is available to our clients.

SubSurface Surveys may include maps in some reports. While they are an accurate general representation of the site and our findings, they are not of engineering quality (i.e., measured and mapped by a licensed land surveyor).

SubSurface Surveys and Associates makes no guarantee either expressed or implied regarding the accuracy of the findings and interpretations present. And, in no event will SubSurface Surveys and Associates be liable for any direct, indirect, special, incidental, or consequential damages resulting from interpretations and opinions presented herewith.

All data acquired in these surveys are in confidential file in this office, and are available for review by your staff, or by us at your request, at any time. We appreciate the opportunity to participate in this project. Please call, if there are questions.

Bret Herman
Staff Geophysicist

Travis Crosby, GP# 1044
California State Geophysics Registration GP1044
Senior Geophysicist, SubSurface Surveys

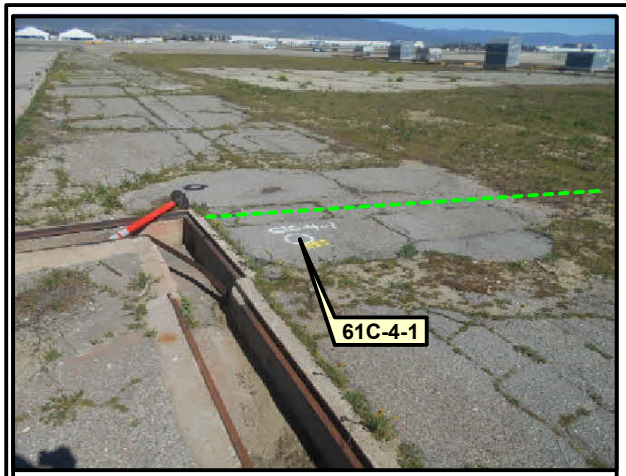


FIGURE 3



FIGURE 4

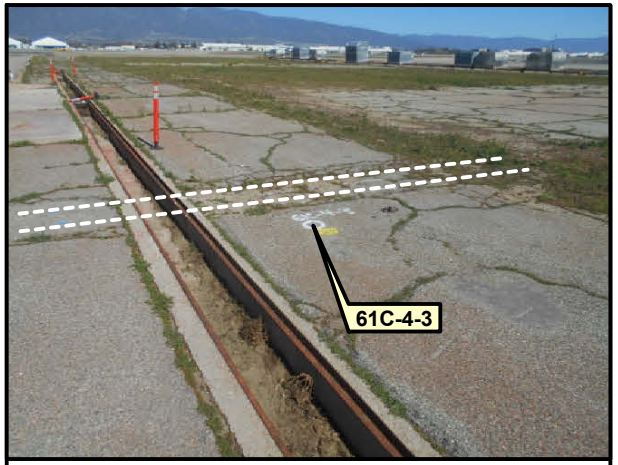


FIGURE 5

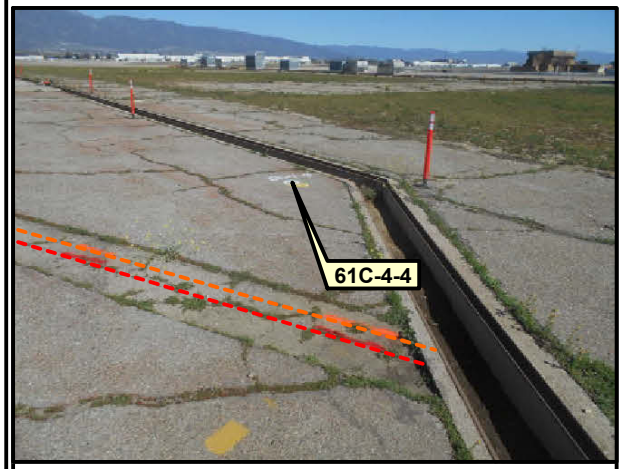


FIGURE 6

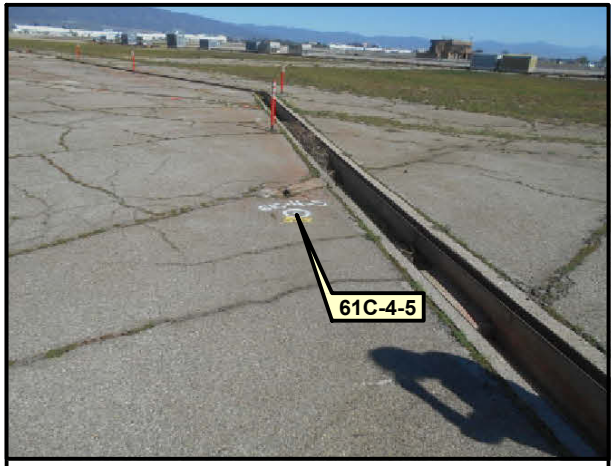


FIGURE 7

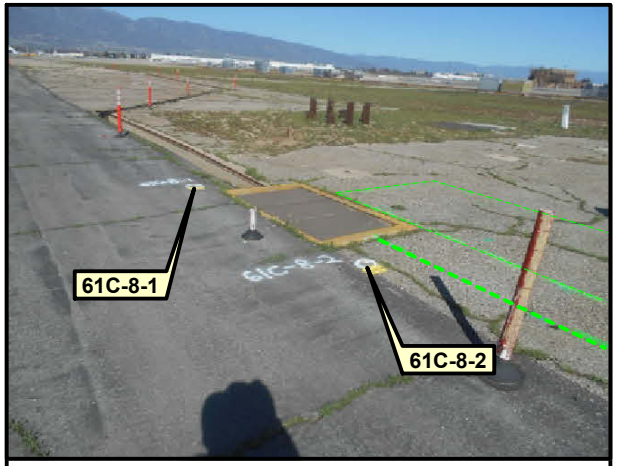


FIGURE 8

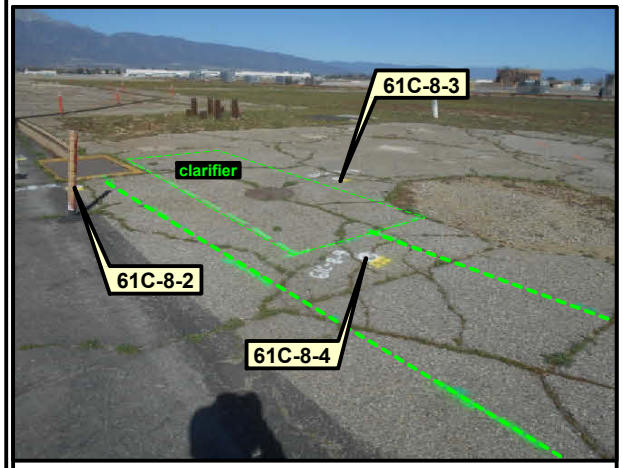


FIGURE 9

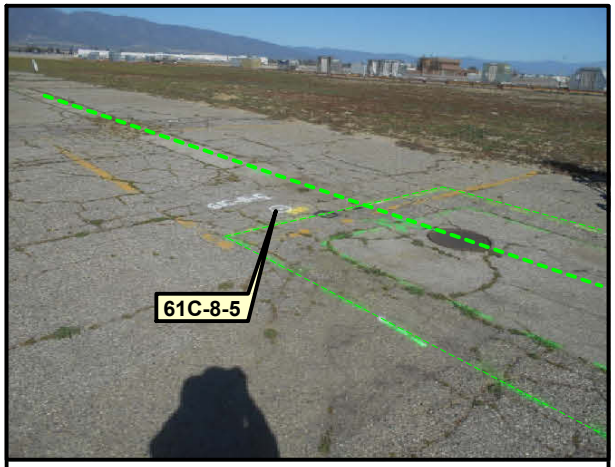


FIGURE 10

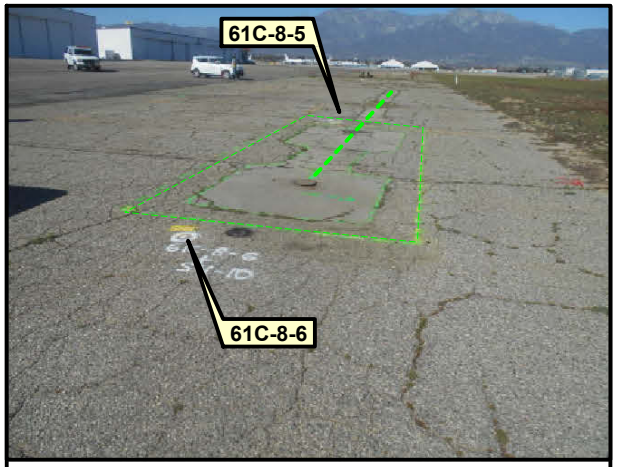


FIGURE 11

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California



FIGURE 12

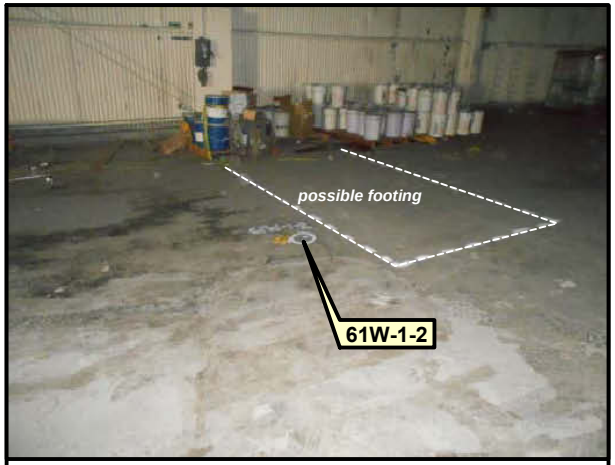


FIGURE 13



FIGURE 14



FIGURE 15



FIGURE 16

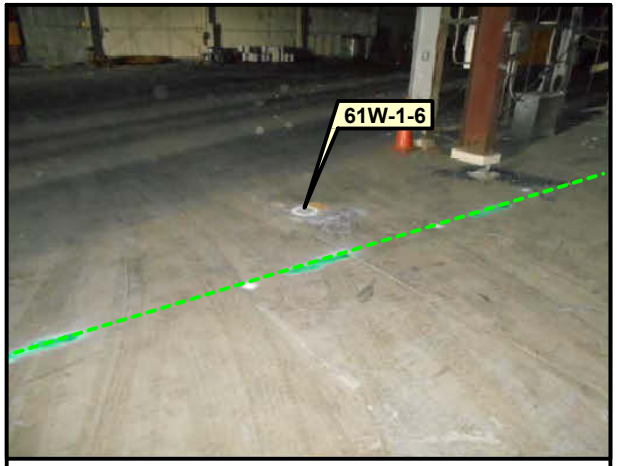


FIGURE 17



FIGURE 18

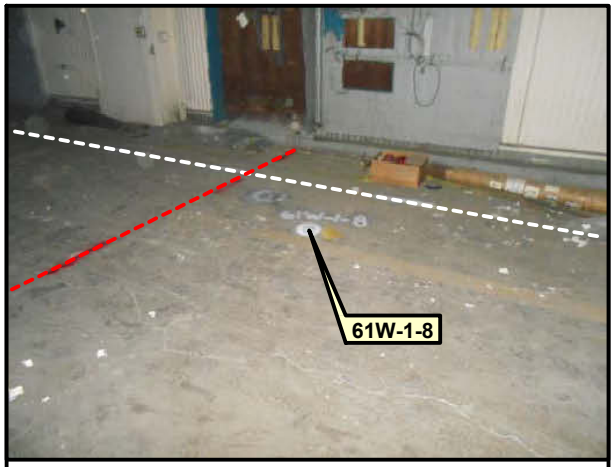


FIGURE 19



FIGURE 20

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California

Sub Surface Surveys



FIGURE 21



FIGURE 22

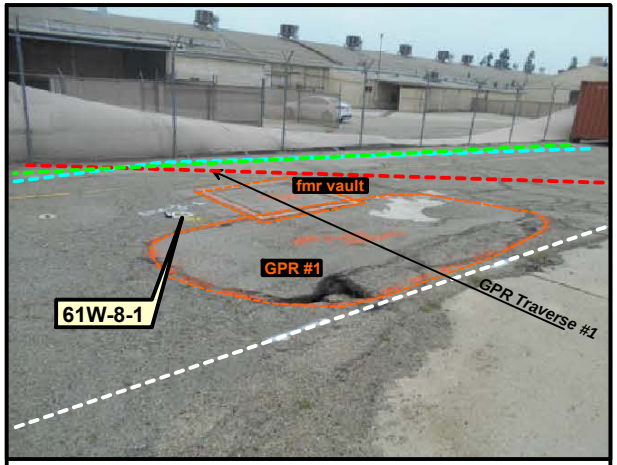


FIGURE 23

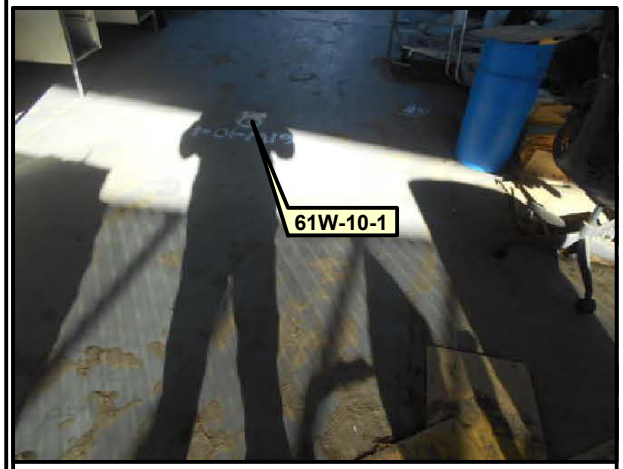


FIGURE 24

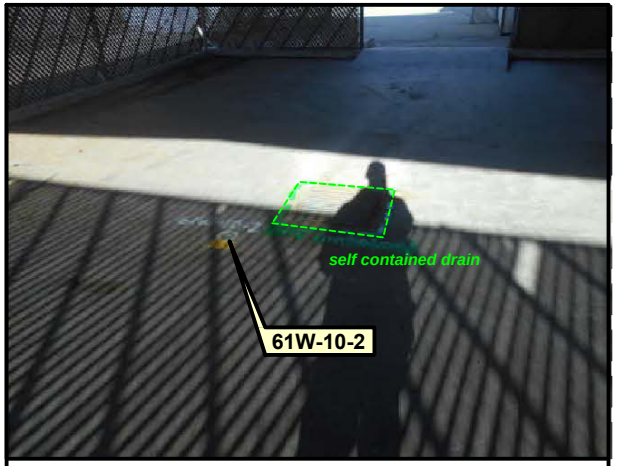


FIGURE 25

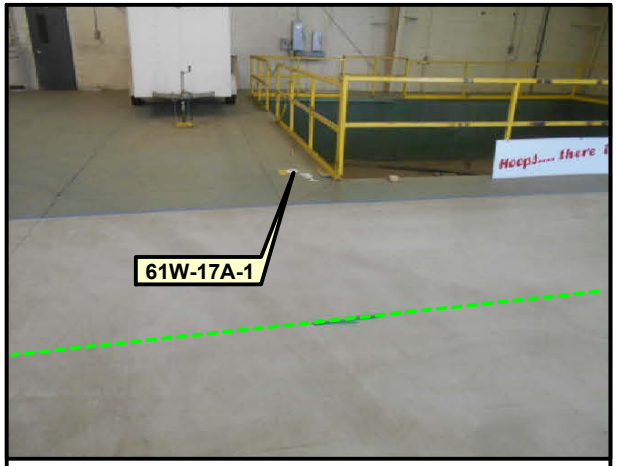


FIGURE 26

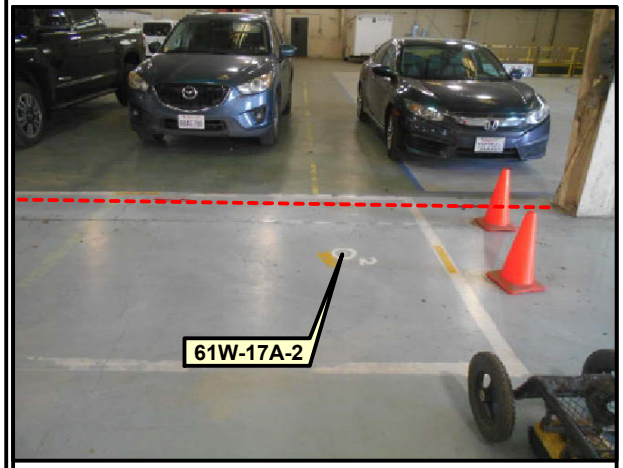


FIGURE 27

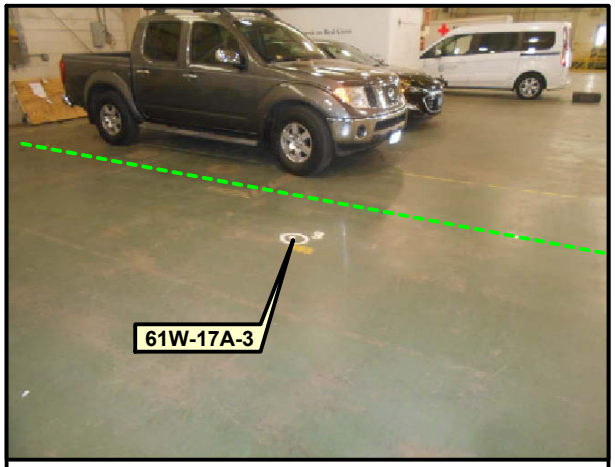


FIGURE 28

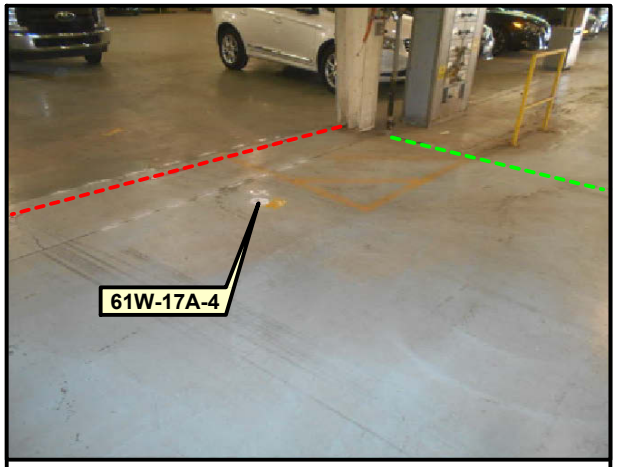


FIGURE 29

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California



FIGURE 30

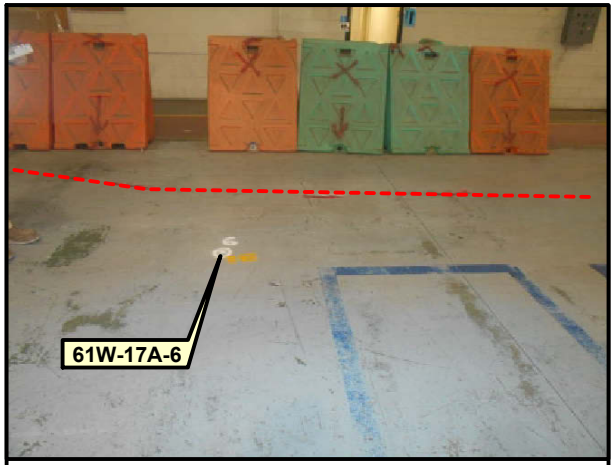


FIGURE 31



FIGURE 32



FIGURE 33



FIGURE 34



FIGURE 35



FIGURE 36

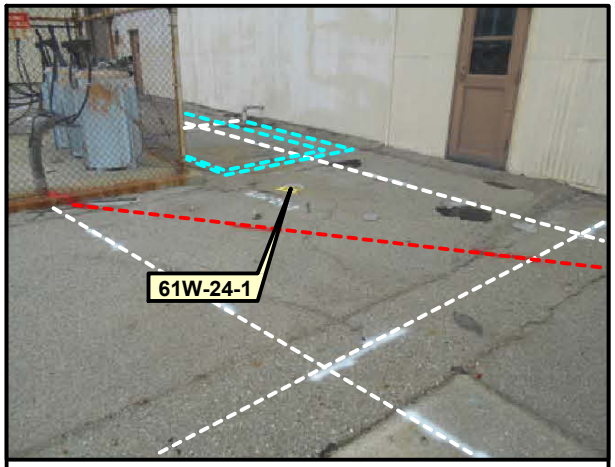


FIGURE 37



FIGURE 38

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California



FIGURE 39

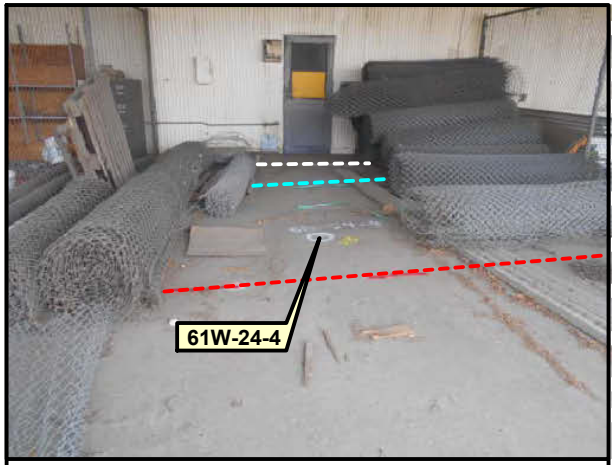


FIGURE 40



FIGURE 41

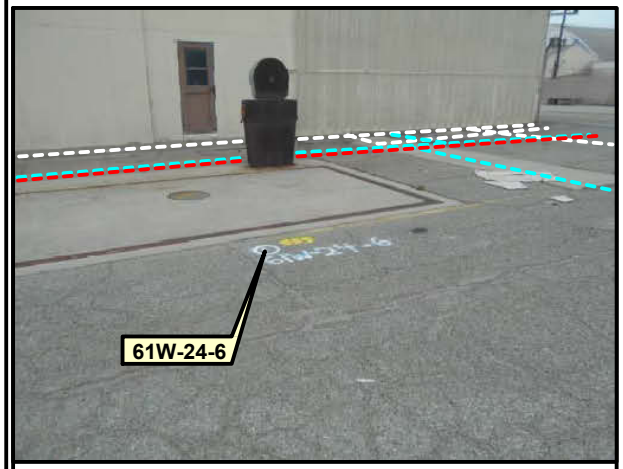


FIGURE 42



FIGURE 43

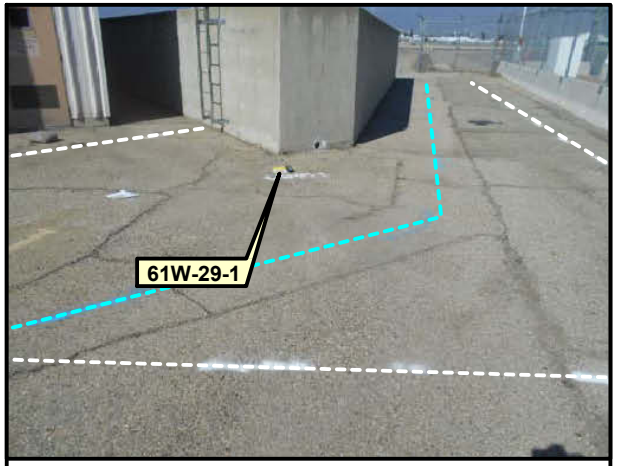


FIGURE 44

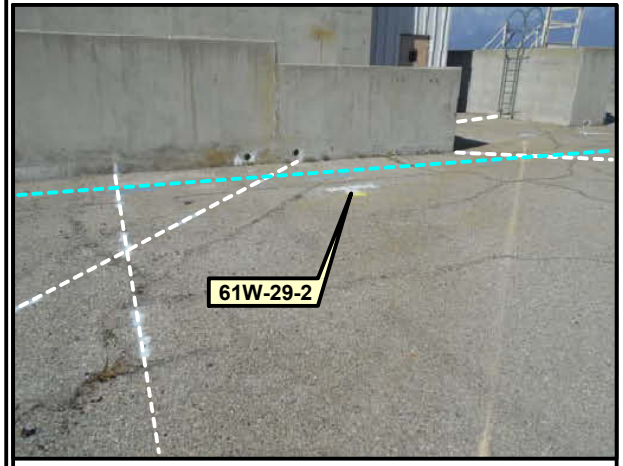


FIGURE 45

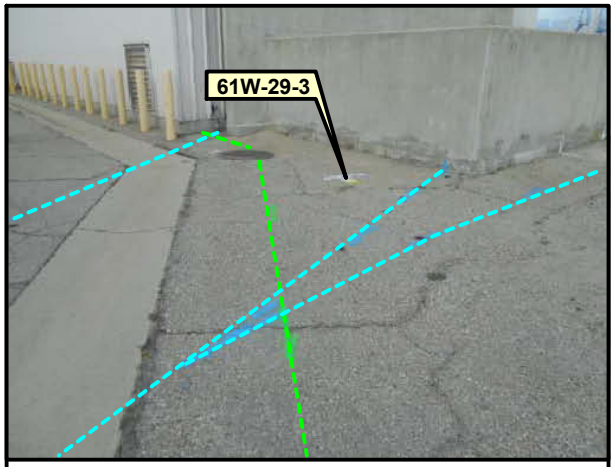


FIGURE 46



FIGURE 47

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California

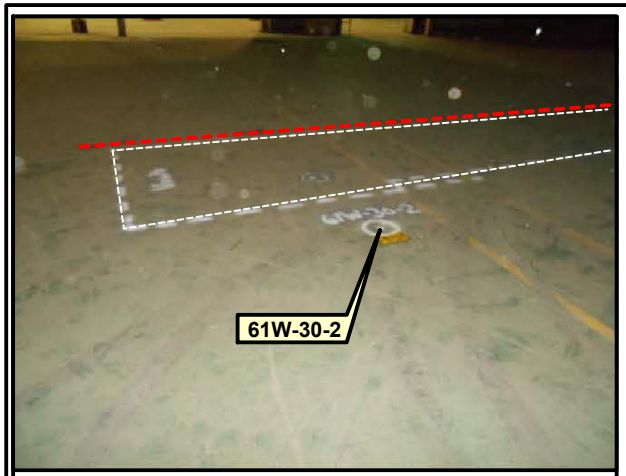


FIGURE 48



FIGURE 49

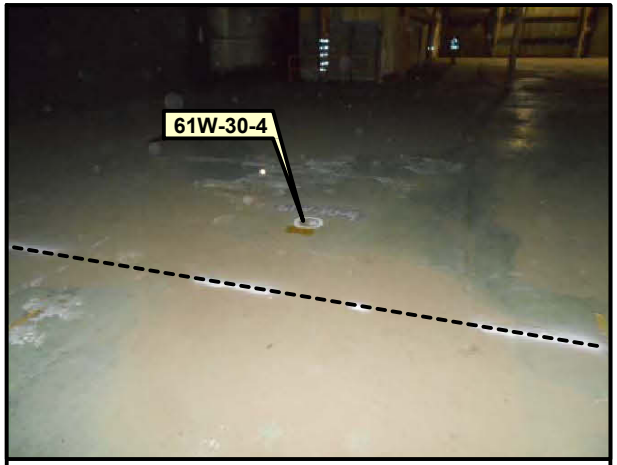


FIGURE 50

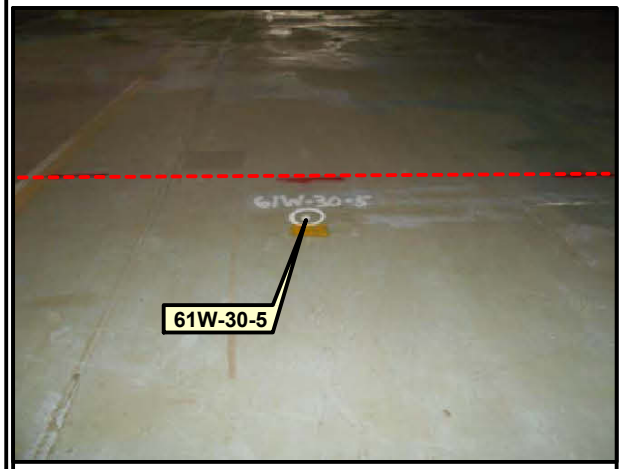


FIGURE 51

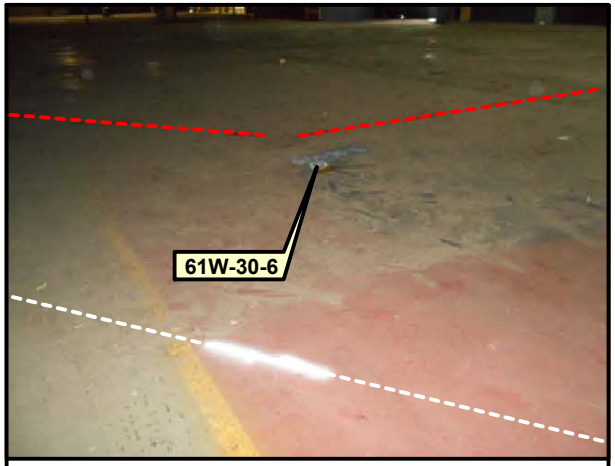


FIGURE 52

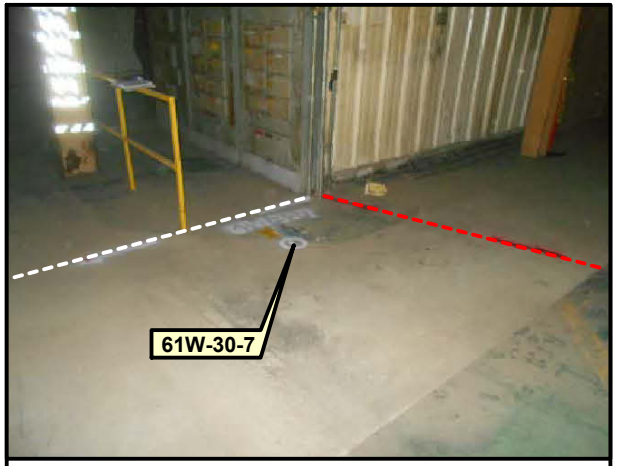


FIGURE 53



FIGURE 54



FIGURE 55



FIGURE 56

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California



FIGURE 57



FIGURE 58



FIGURE 59

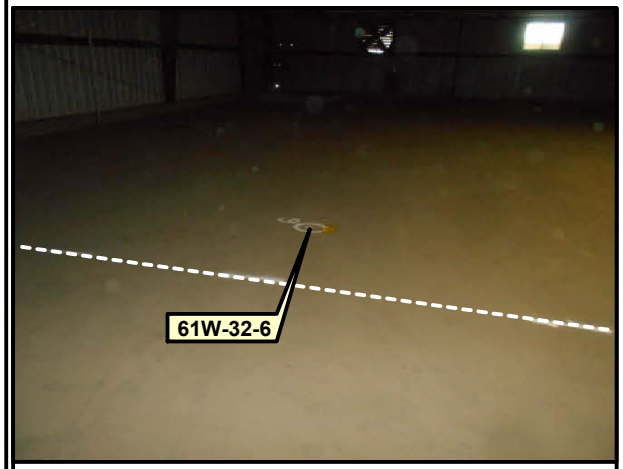


FIGURE 60

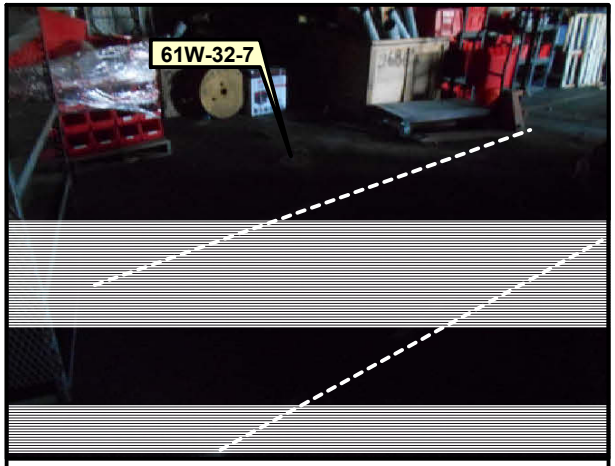


FIGURE 61



FIGURE 62

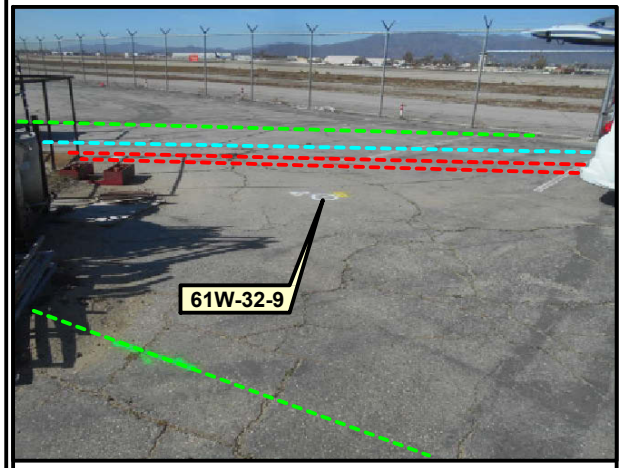


FIGURE 63



FIGURE 64

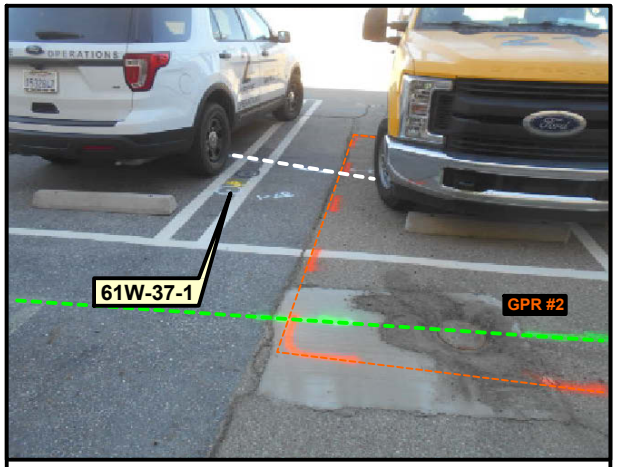


FIGURE 65

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California

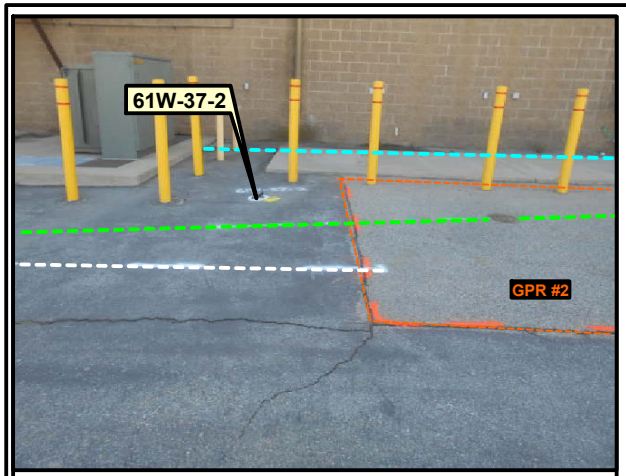


FIGURE 66

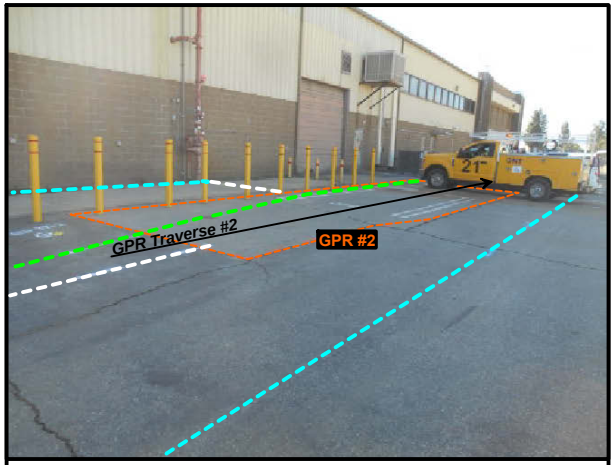


FIGURE 67

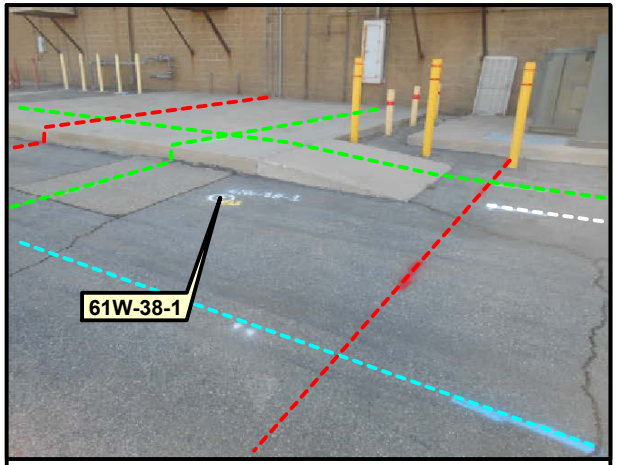


FIGURE 68

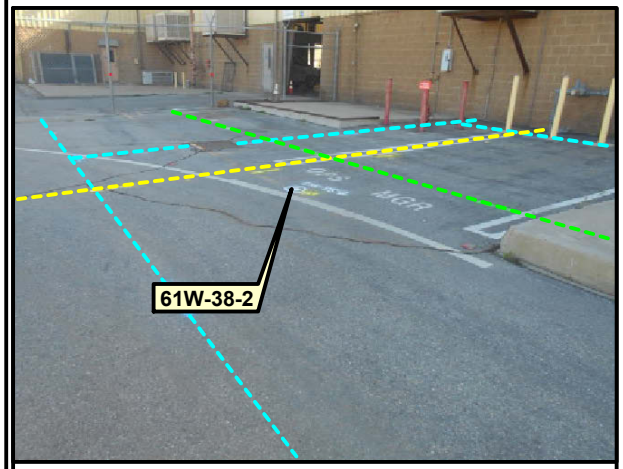


FIGURE 69

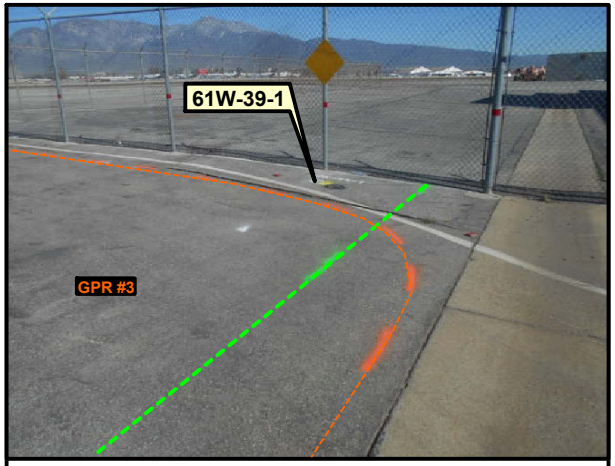


FIGURE 70

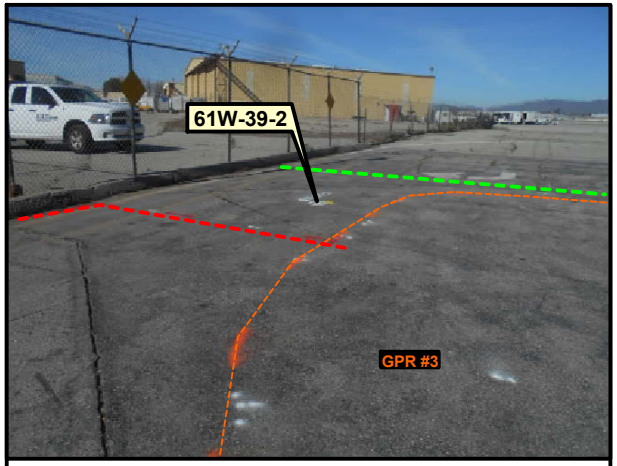


FIGURE 71

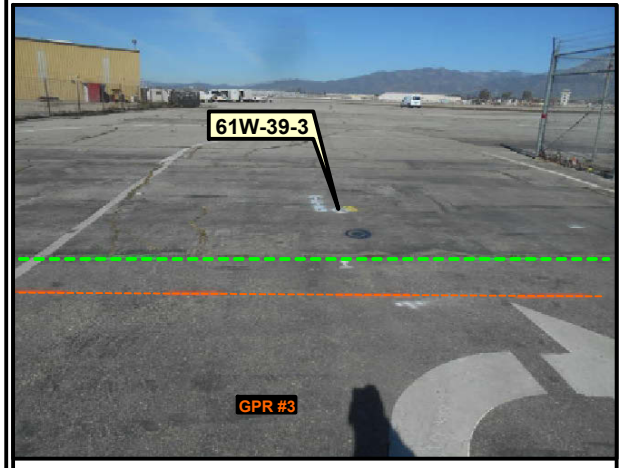


FIGURE 72

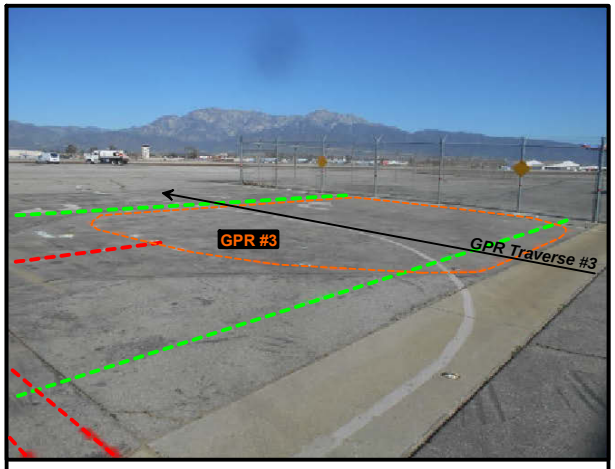


FIGURE 73



FIGURE 74

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California

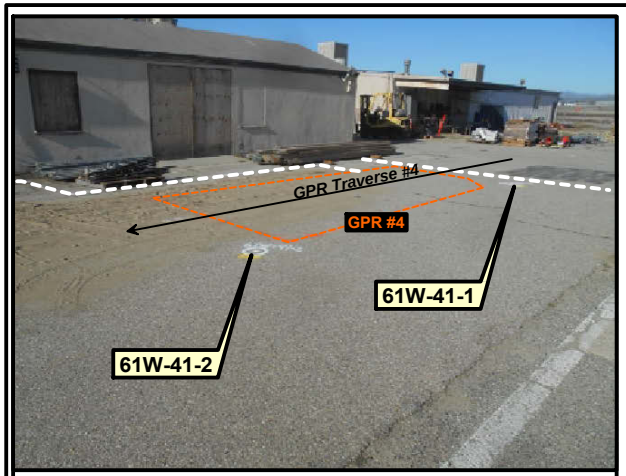


FIGURE 75

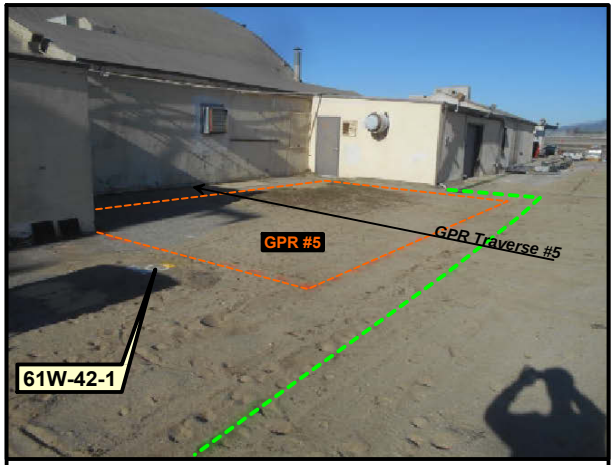


FIGURE 76

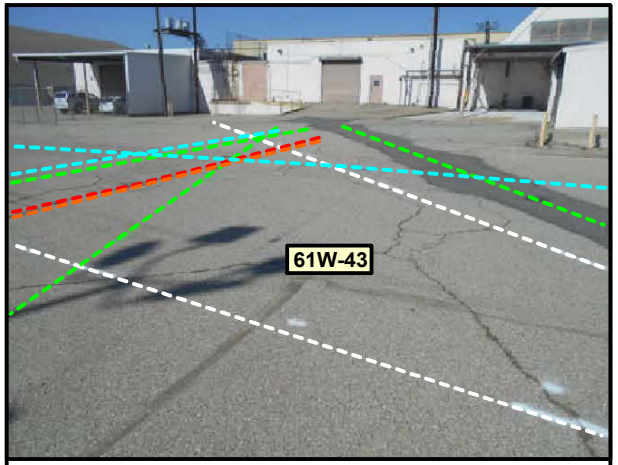


FIGURE 77

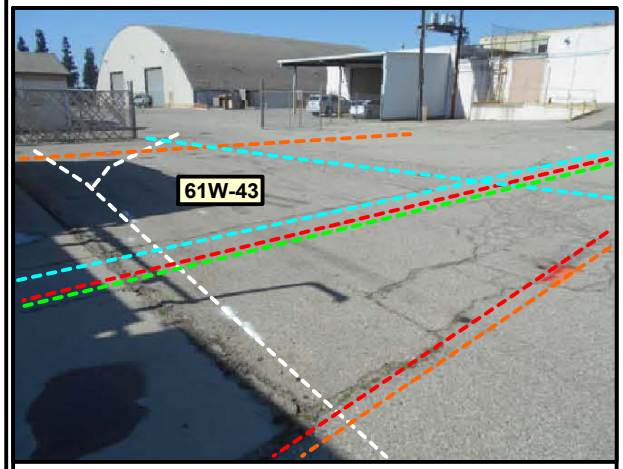


FIGURE 78

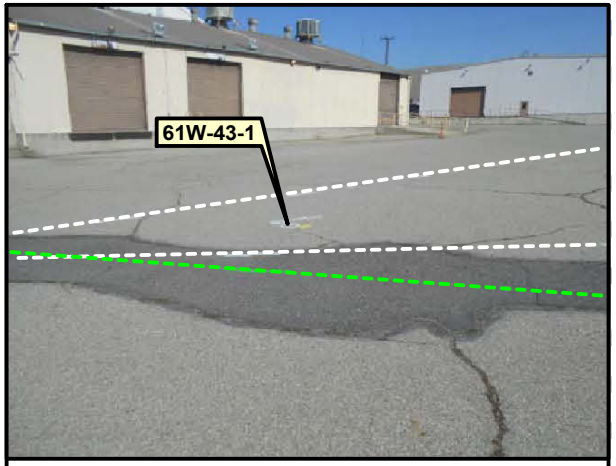


FIGURE 79

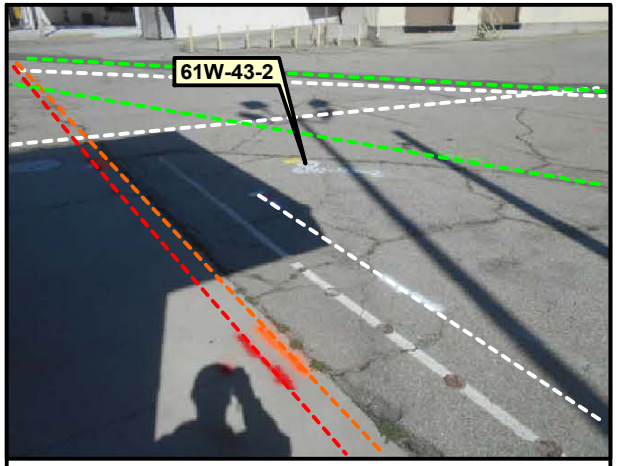


FIGURE 80

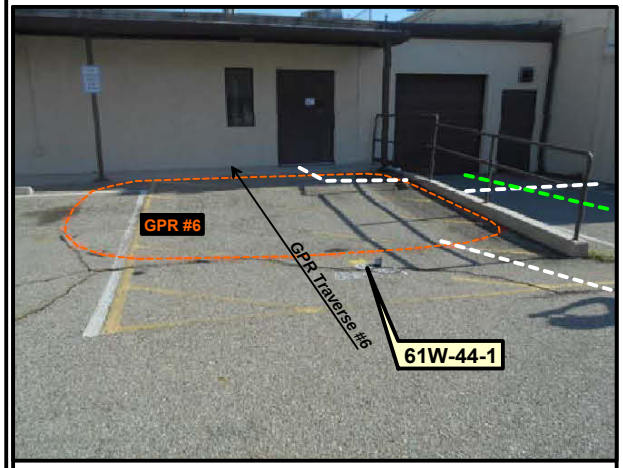


FIGURE 81

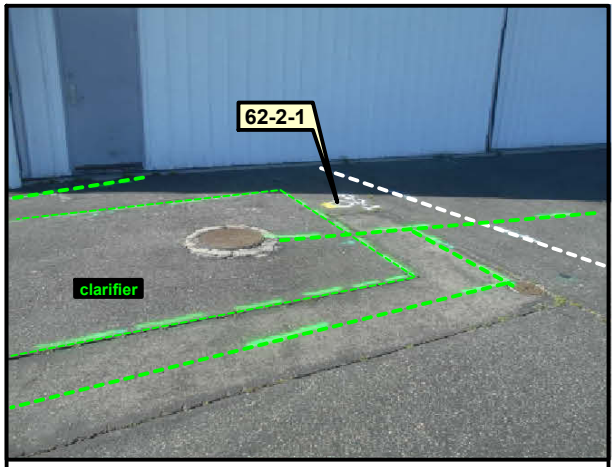


FIGURE 82

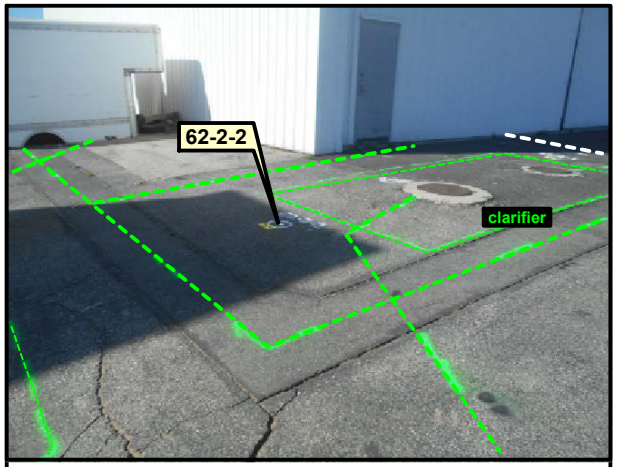


FIGURE 83

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California

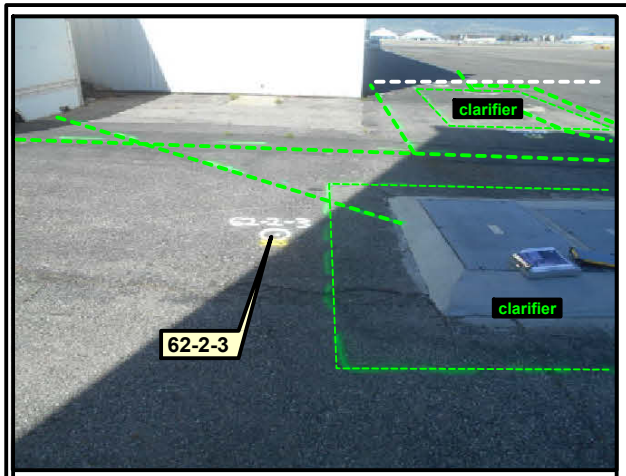


FIGURE 84

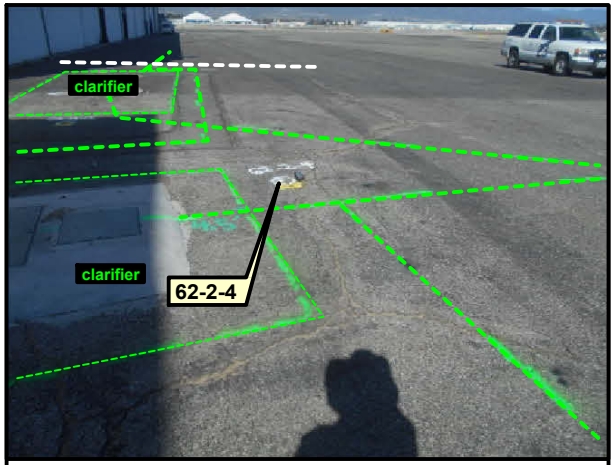


FIGURE 85



FIGURE 86

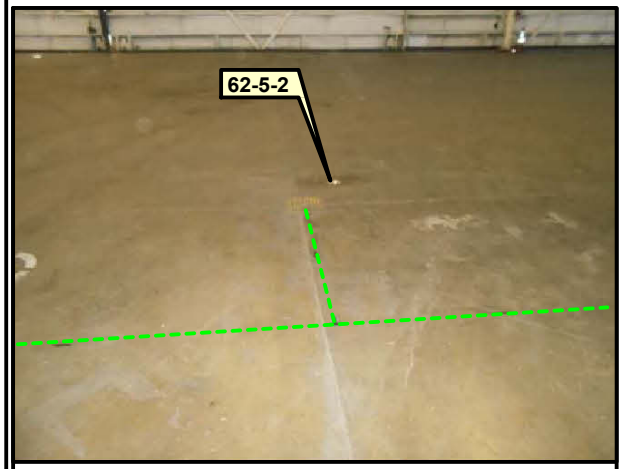


FIGURE 87

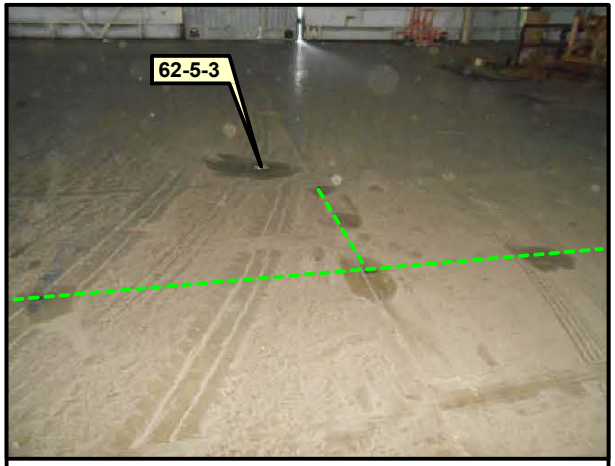


FIGURE 88

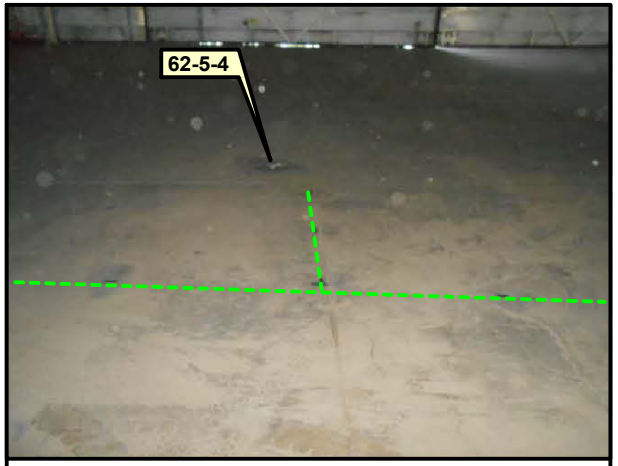


FIGURE 89



FIGURE 90



FIGURE 91



FIGURE 92

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California



FIGURE 93

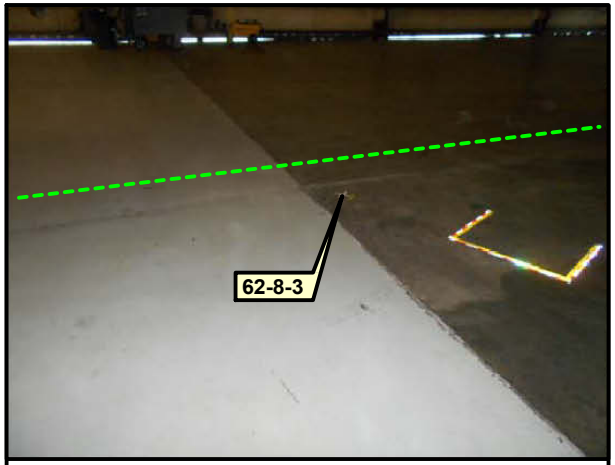


FIGURE 94

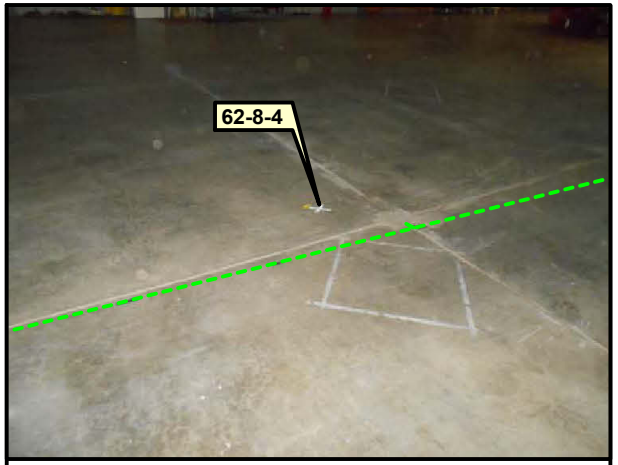


FIGURE 95



FIGURE 96



FIGURE 97

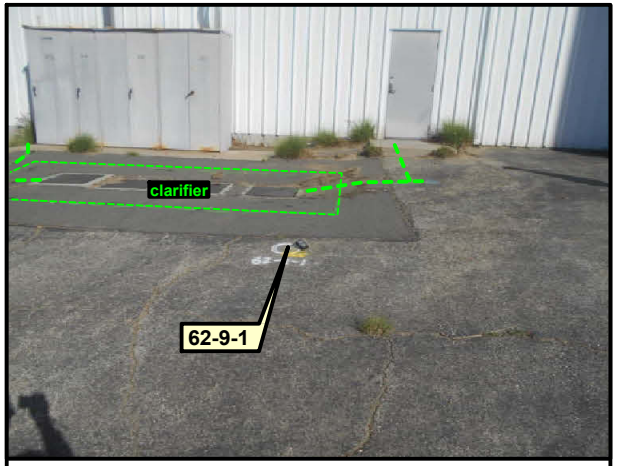


FIGURE 98

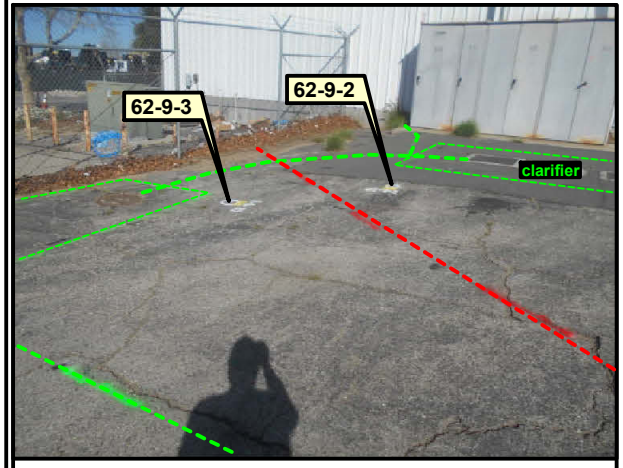


FIGURE 99

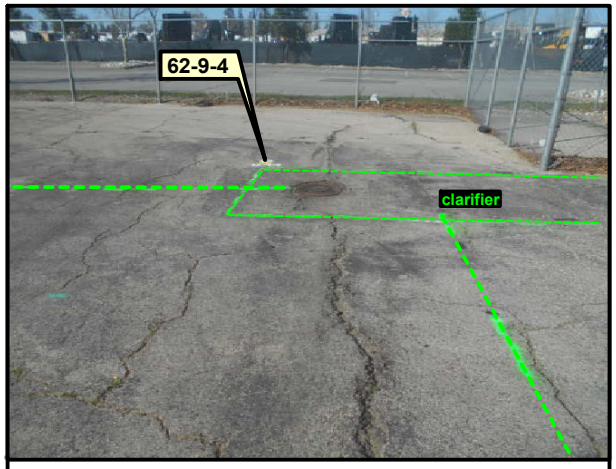


FIGURE 100



FIGURE 101

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California



FIGURE 102

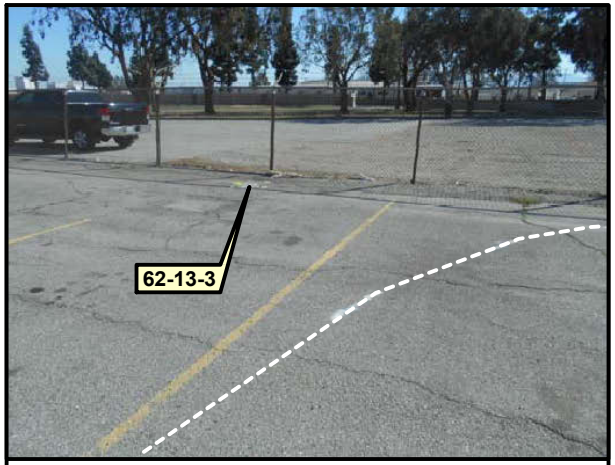


FIGURE 103



FIGURE 104

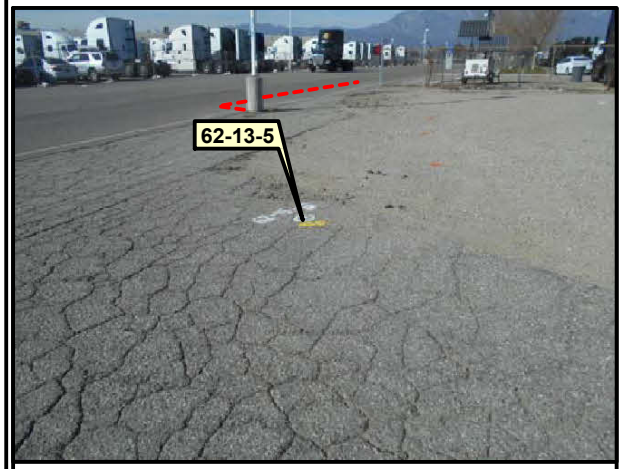


FIGURE 105

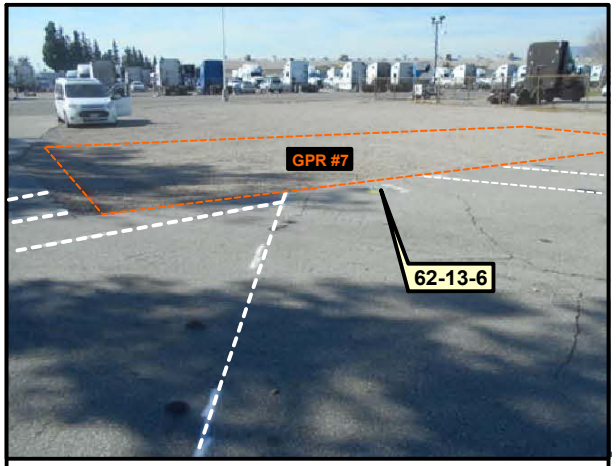


FIGURE 106

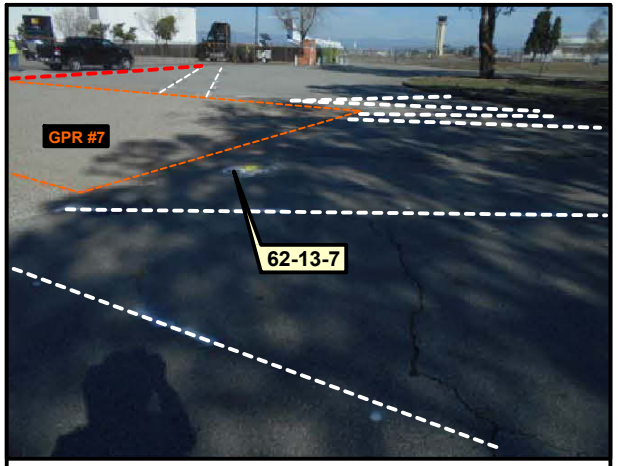


FIGURE 107



FIGURE 108

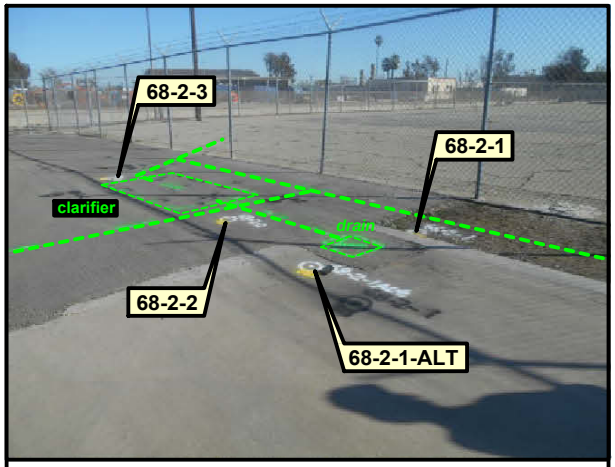


FIGURE 109

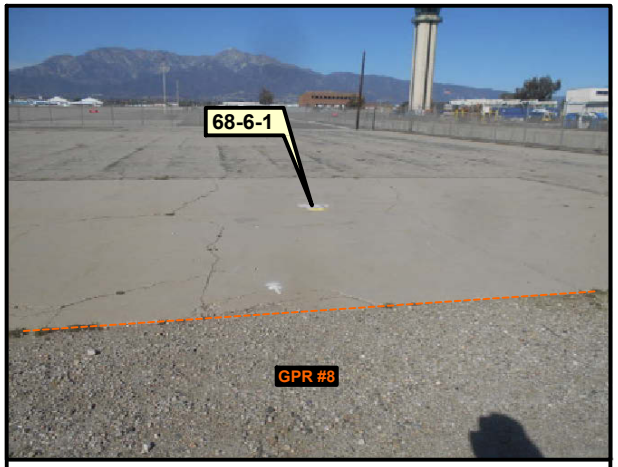


FIGURE 110

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California

Sub Surface Surveys

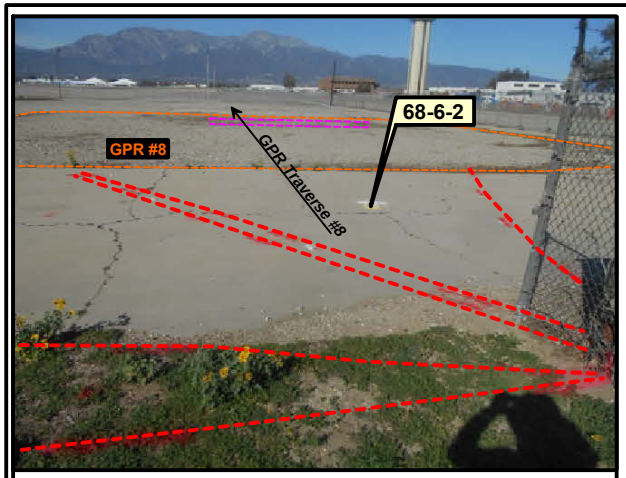


FIGURE 111

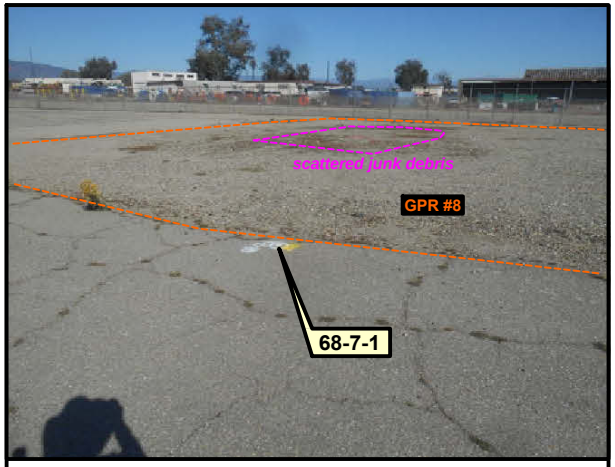


FIGURE 112

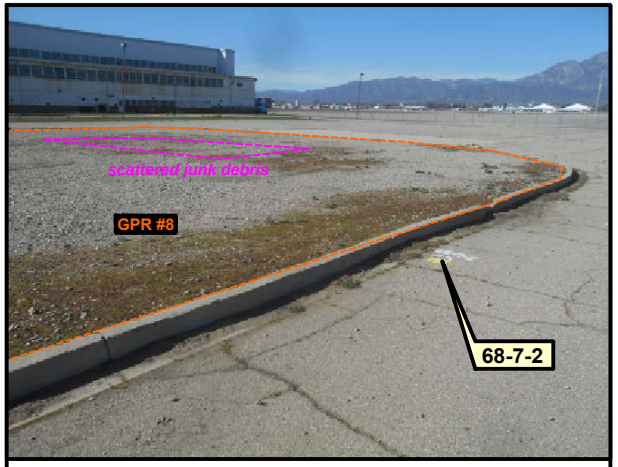


FIGURE 113



FIGURE 114

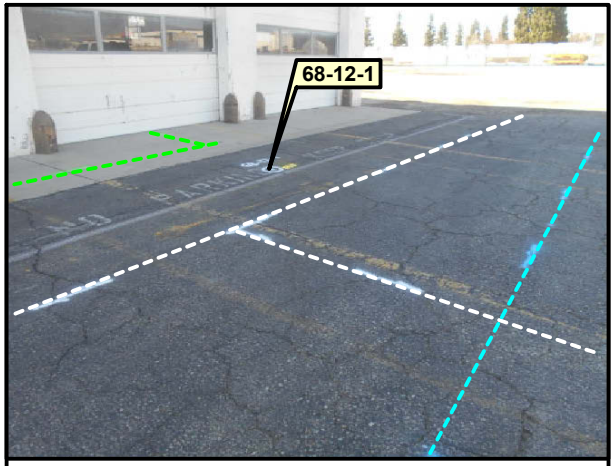


FIGURE 115



FIGURE 116

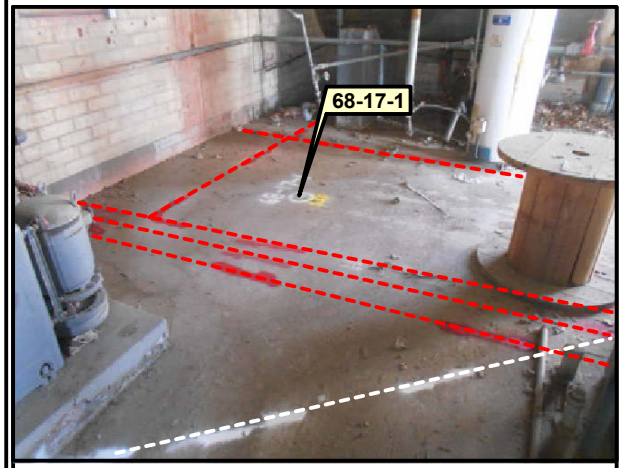


FIGURE 117

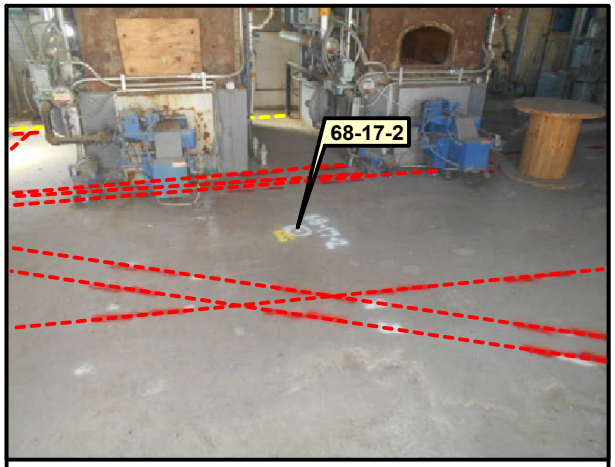


FIGURE 118

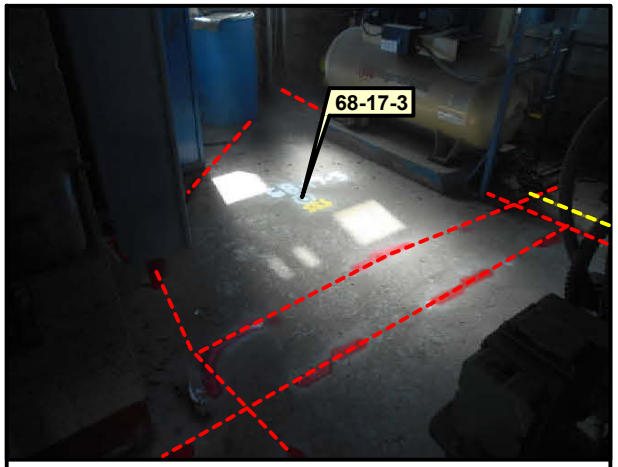


FIGURE 119

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California

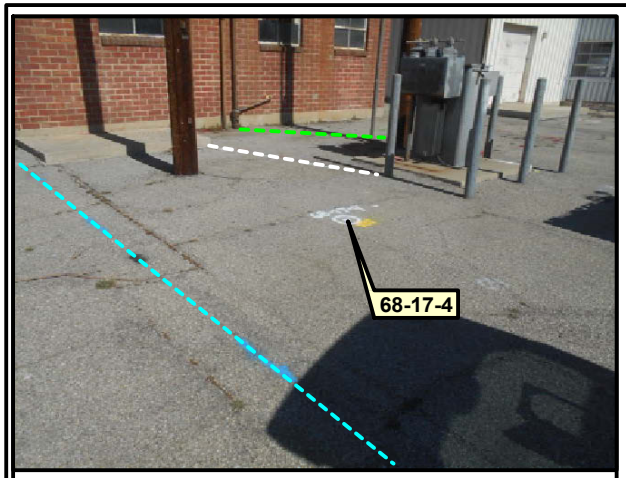


FIGURE 120

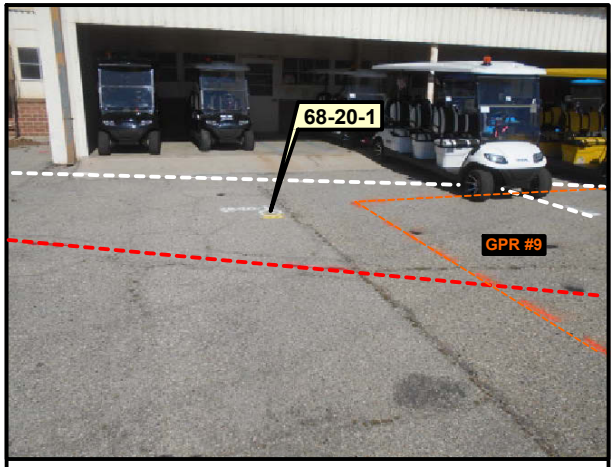


FIGURE 121

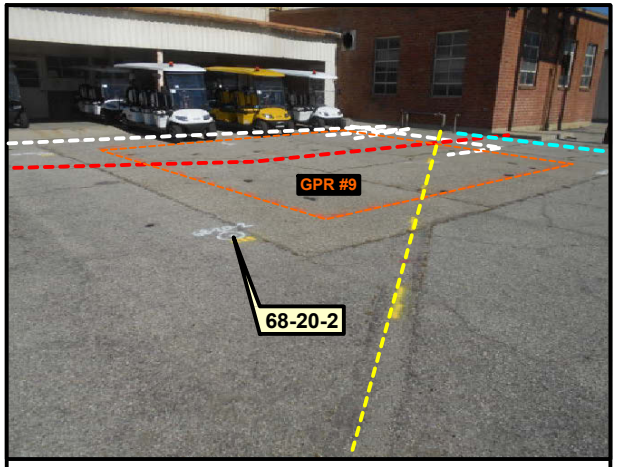


FIGURE 122

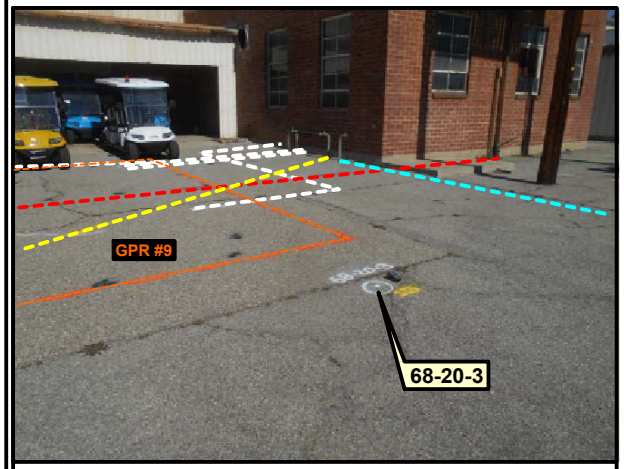


FIGURE 123

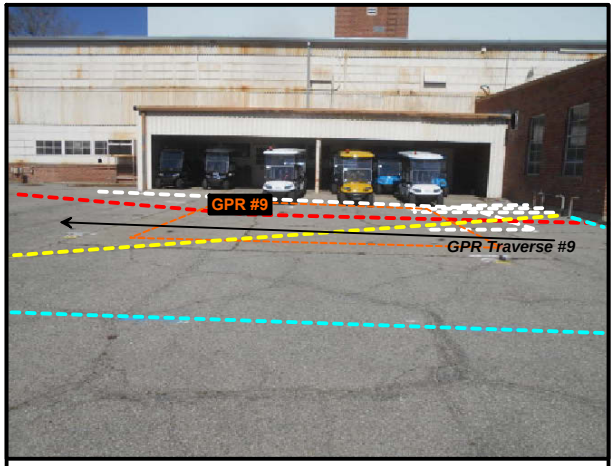


FIGURE 124

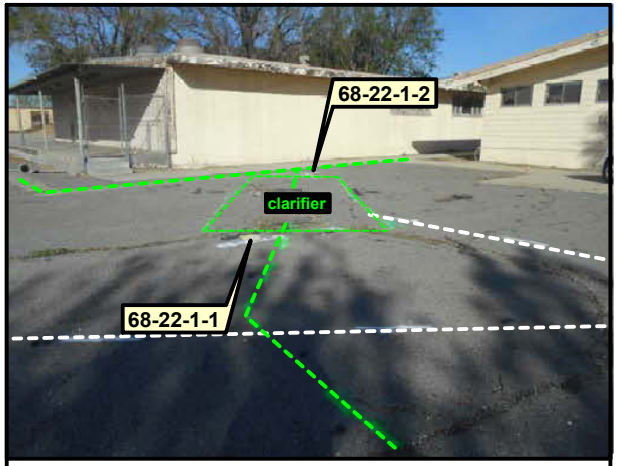


FIGURE 125



FIGURE 126



FIGURE 127



FIGURE 128

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California



FIGURE 129



FIGURE 130

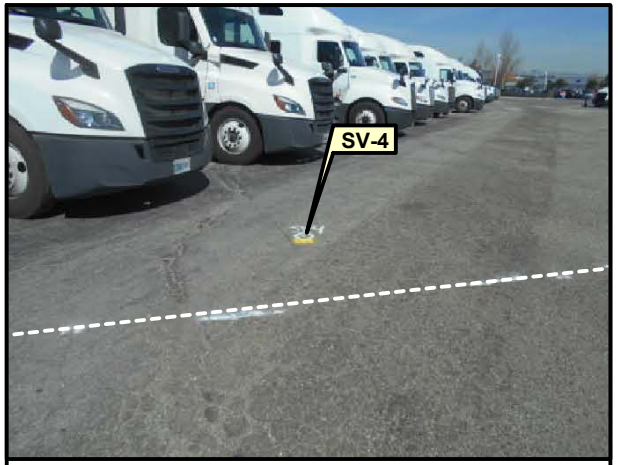


FIGURE 131

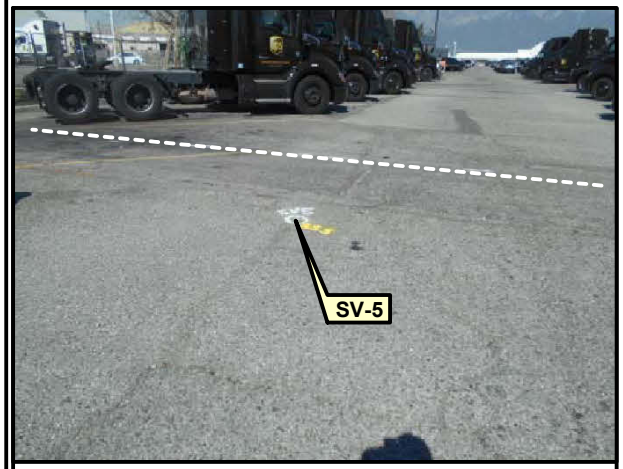


FIGURE 132



FIGURE 133

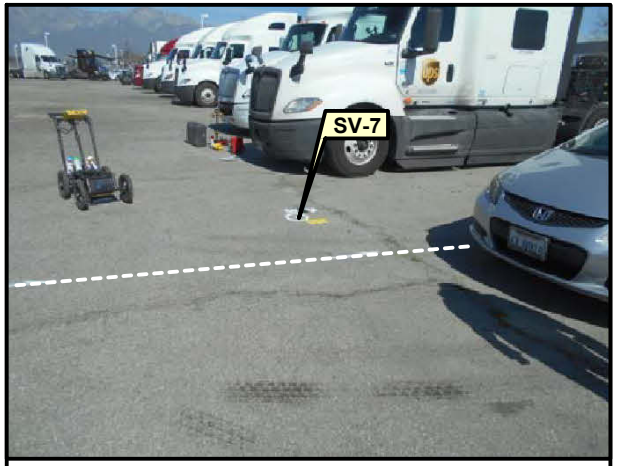


FIGURE 134



FIGURE 135



FIGURE 136

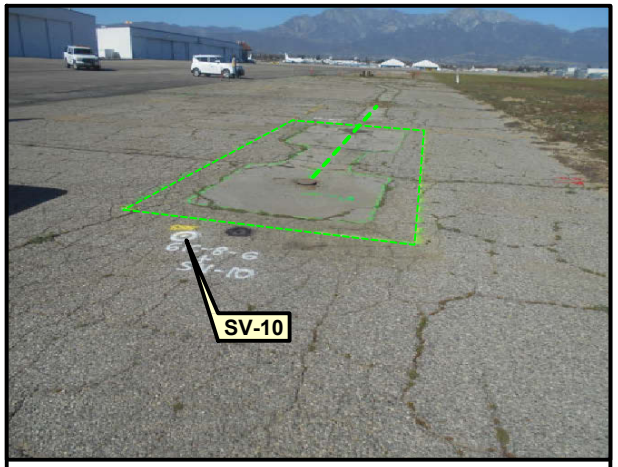


FIGURE 137

SURVEY DATE:
February 8th-16th, 2022

SSS PROJECT NO:
22-050

TITLE:
Site Photographs

PREPARED FOR:
GSI Environmental

SITE:
Ontario International Airport
2500 E Airport Dr
Ontario, California



FIGURE 138

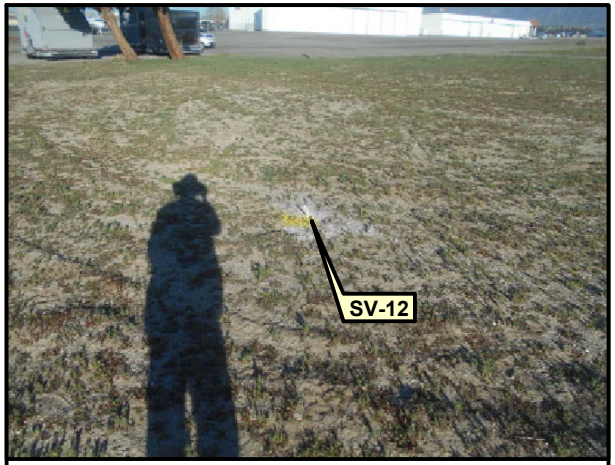


FIGURE 139

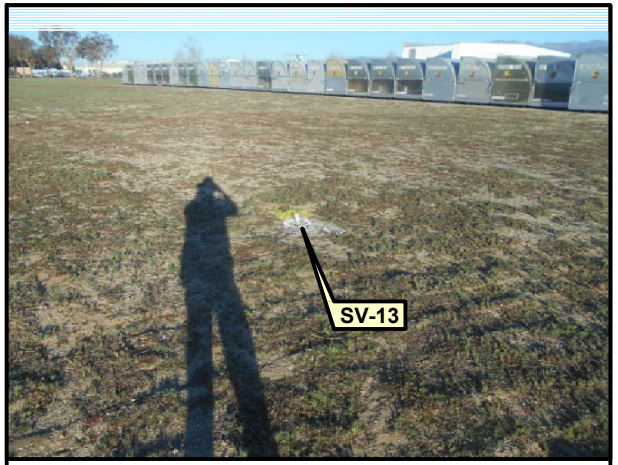


FIGURE 140

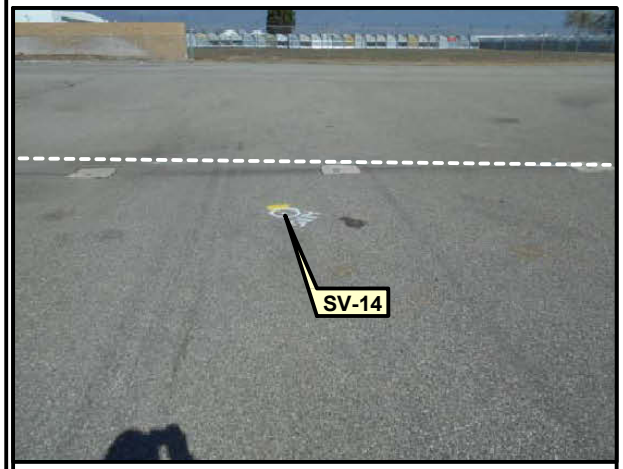


FIGURE 141



FIGURE 142

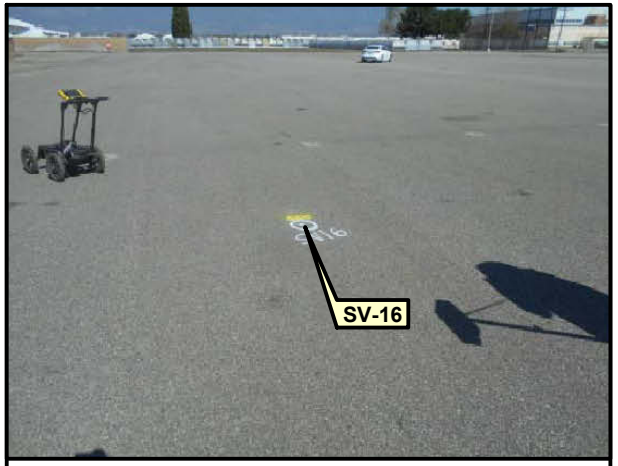


FIGURE 143



FIGURE 144

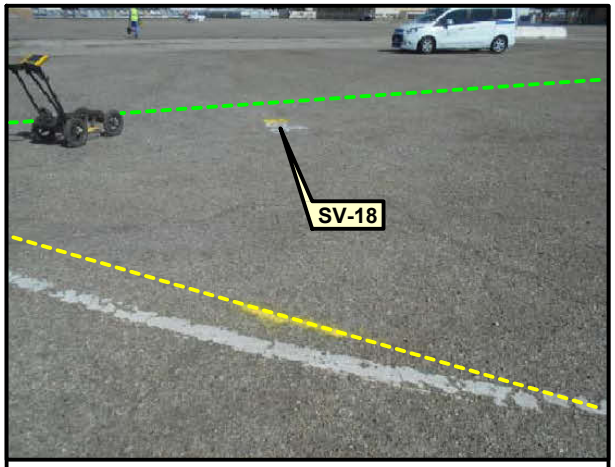


FIGURE 145

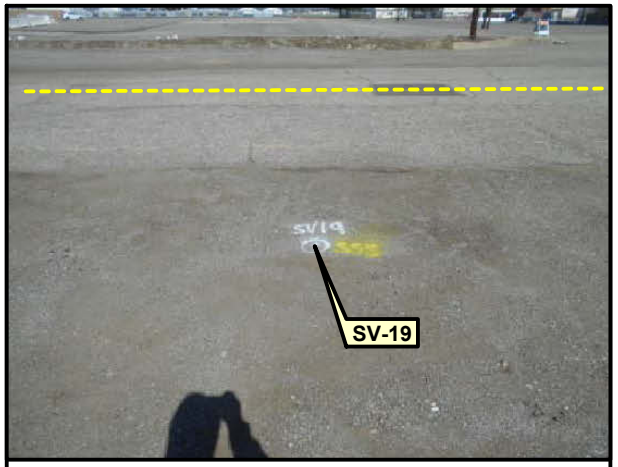


FIGURE 146

SURVEY DATE: **February 8th-16th, 2022**

SSS PROJECT NO: **22-050**

TITLE: **Site Photographs**

PREPARED FOR: **GSI Environmental**

SITE: **Ontario International Airport**
2500 E Airport Dr
Ontario, California

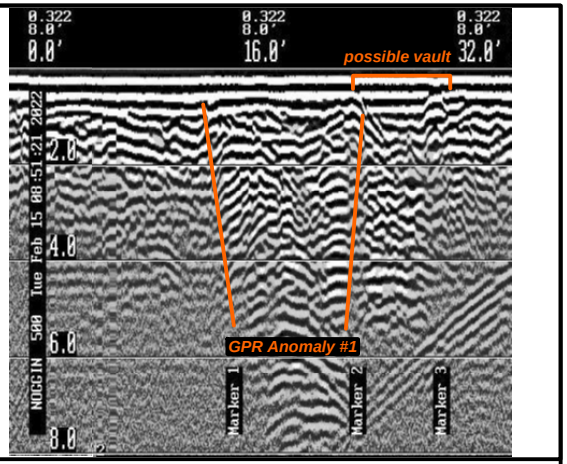


FIGURE 147: GPR Traverse #1 (61W-8)

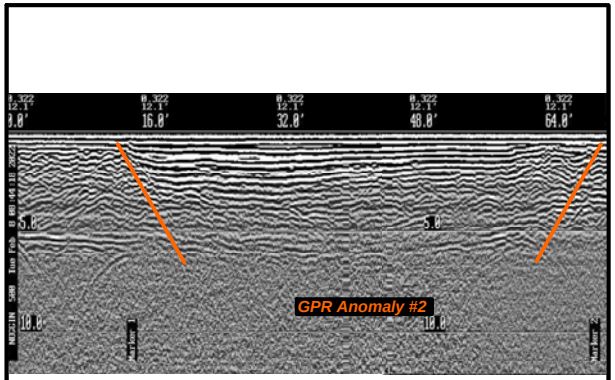


FIGURE 148: GPR Traverse #2 (61W-37)

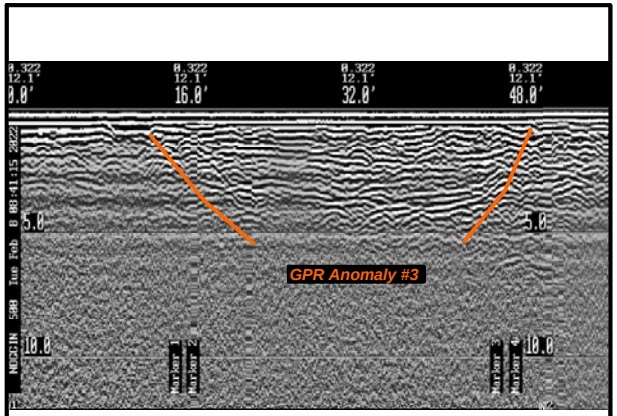


FIGURE 149: GPR Traverse #3 (61W-39)

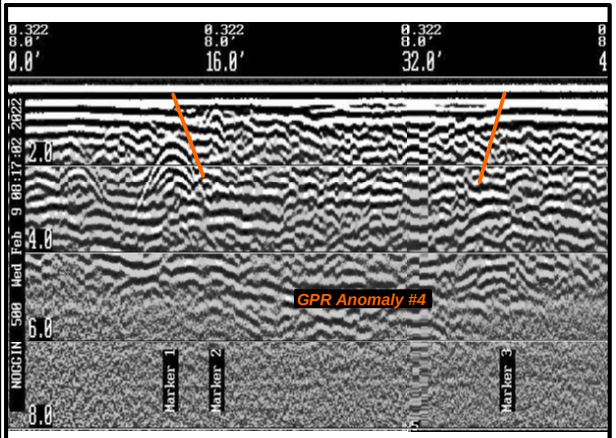


FIGURE 150: GPR Traverse #4 (61W-41-1)

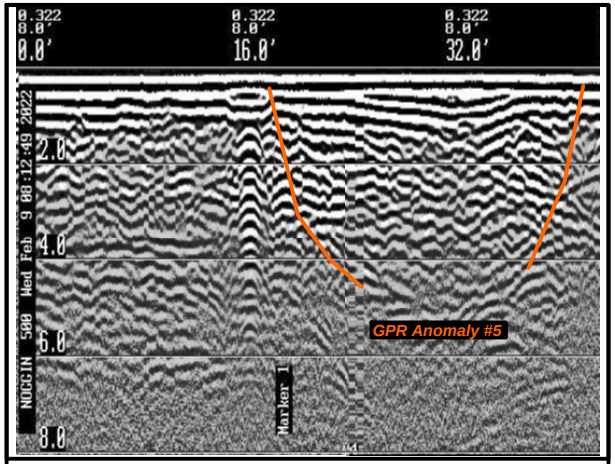


FIGURE 151: GPR Traverse #5 (61W-42)

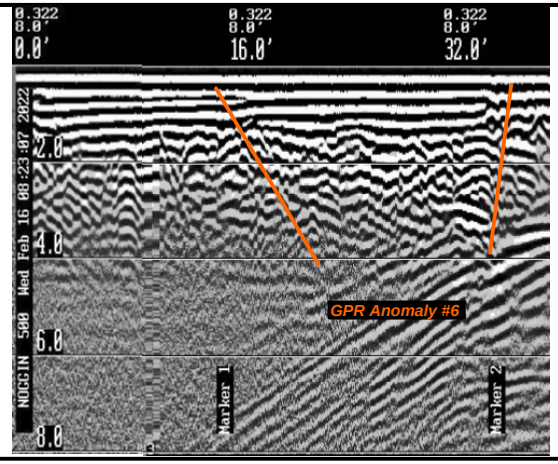


FIGURE 152: GPR Traverse #6 (61W-44)

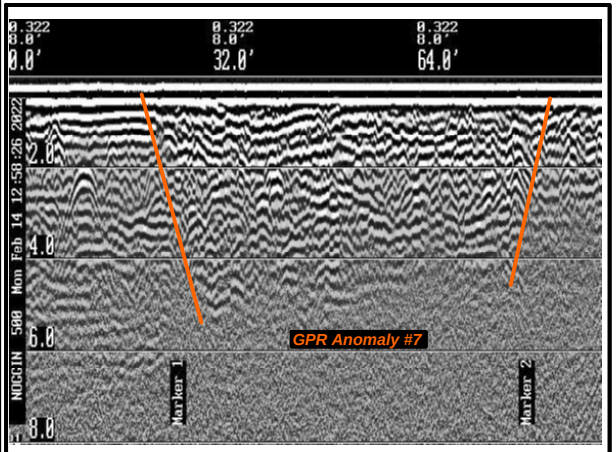


FIGURE 153: GPR Traverse #7 (62-13)

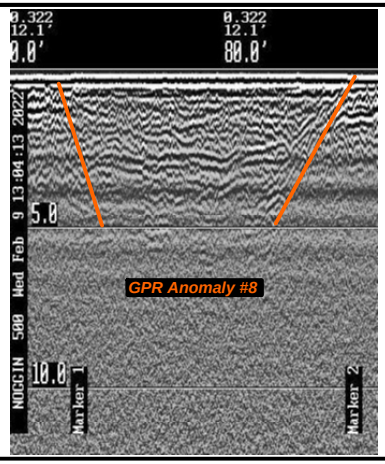


FIGURE 154: GPR Traverse #8 (68-7)

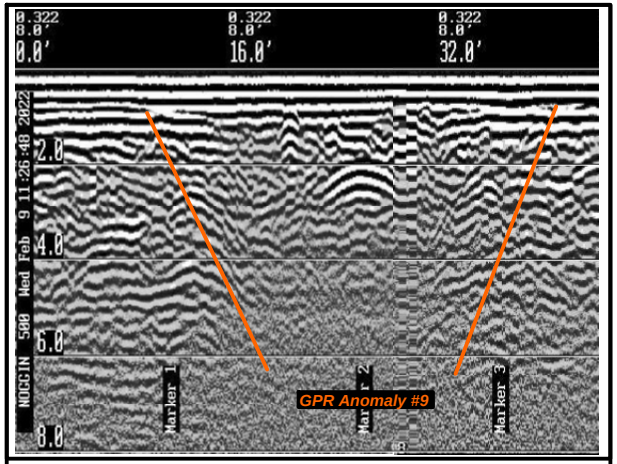


FIGURE 155: GPR Traverse #9 (68-20-2)

SURVEY DATE:
February 8th-16th, 2022

SSS PROJECT NO:
22-050

TITLE:
Radar Images

PREPARED FOR:
GSI Environmental

SITE:
Ontario International Airport
2500 E Airport Dr
Ontario, California

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

APPENDIX B

Soil Boring Logs

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-1-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 4 Mar 2022 **COMPLETED** 4 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050924941 **LONGITUDE** -117.607035640
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.5		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-1-1
								0.4		Soil Sample 61W-1-1-3
5	~75% fine to medium sand, ~25% fines, trace coarse sand, and fine gravel							1.3		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil Sample 61W-1-1-6
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					1.7		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\EFANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925_EFA.GPJ

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-1-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 4 Mar 2022 **COMPLETED** 4 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051078667 **LONGITUDE** -117.606859231
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.0		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-2-1 Soil sample depths collected with reference to bottom of concrete.
								1.8		Soil Sample 61W-1-2-3 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand, trace fine gravel							2.6		Soil Sample 61W-1-2-6
										Temporary soil vapor probes set at 5 and 15 ft below bottom of concrete. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP					2.8		
	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~70% fine to medium sand, ~30% low plasticity fines, trace coarse sand		SM							
15								2.3		Soil Sample 61W-1-2-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 5/7/22 10:59 - C:\USERS\EFANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925_EFA.GPJ

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-1-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 4 Mar 2022 **COMPLETED** 4 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051170456 **LONGITUDE** -117.606715873
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.2		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-3-1
								1.9		Soil Sample 61W-1-3-3
5										PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	~75% fine to medium sand, ~25% fines, trace coarse sand, trace fine gravel							2.6		Soil Sample 61W-1-3-6
								2.9		Soil sample depths collected with reference to bottom of concrete.
10										

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-1-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 4 Mar 2022 **COMPLETED** 4 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051279574 **LONGITUDE** -117.606641188
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.9		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-4-1
								2.9		Soil Sample 61W-1-4-3
5	~75% fine to medium sand, ~25% fines, trace coarse sand, trace fine gravel							1.6		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil Sample 61W-1-4-6
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP					2.9		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-1-5

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 4 Mar 2022 **COMPLETED** 4 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051371246 **LONGITUDE** -117.606526616
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.7		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-5-1
								1.6		Soil Sample 61W-1-5-3
5	~75% fine to medium sand, ~25% fines, trace coarse sand, trace fine gravel							2.4		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil Sample 61W-1-5-6
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					3.9		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-1-6

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 18 Mar 2022 **COMPLETED** 18 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050915326 **LONGITUDE** -117.606760705
DRILLING EQUIPMENT Geoprobe 6660
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM							Soil Sample 61W-1-6-1 Hand auger to 5 feet below bottom of concrete.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							1.6		Soil Sample 61W-1-6-6
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~65% fine to coarse sand, ~30% fine to coarse gravel, ~5% nonplastic fines		SP					1.9		PID: MiniRAE3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								2.1		Soil sample depths collected with reference to bottom of concrete.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 61W-1-7

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
GSI JOB NUMBER 5925
DATE STARTED 4 Mar 2022 **COMPLETED** 4 Mar 2022
DRILLING CONTRACTOR Interphase Environmental, Inc.
DRILLING METHOD Direct Push with Dual Tube Coring System
DRILLING EQUIPMENT Geoprobe 6620DT
GROUND SURFACE 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25

PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
PROJECT LOCATION Ontario Airport, Ontario, California
GROUND ELEVATION Ground Surface **DATUM** NA
TOP OF CASING ELEVATION NA **DATUM** NA
LATITUDE 34.051183105 **LONGITUDE** -117.606435450
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.7		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-7-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, and fine gravel							2.0		Soil Sample: 61W-1-7-5.5 Temporary soil vapor probes installed at 5 and 15 ft below bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic-rated Eco Wheaton well box.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					2.9		
15								2.9		Soil Sample 61W-1-7-13 Soil sample depths collected with reference to bottom of concrete.

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

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Log of Soil Boring: 61W-1-8

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
GSI JOB NUMBER 5925
DATE STARTED 4 Mar 2022 **COMPLETED** 4 Mar 2022
DRILLING CONTRACTOR Interphase Environmental, Inc.
DRILLING METHOD Direct Push with Dual Tube Coring System
DRILLING EQUIPMENT Geoprobe 6620DT
GROUND SURFACE 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25

PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
PROJECT LOCATION Ontario Airport, Ontario, California
GROUND ELEVATION Ground Surface **DATUM** NA
TOP OF CASING ELEVATION NA **DATUM** NA
LATITUDE 34.051507322 **LONGITUDE** -117.606108801
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM							Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-8-1
5	~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel							2.7		Soil Sample 61W-1-8-6
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% fine gravel		SP							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10	~85% sand, ~10% fine gravel, ~5% fines							3.2		
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM					3.3		Soil sample depths collected with reference to bottom of concrete.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-1-9

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 18 Mar 2022 **COMPLETED** 18 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050654700 **LONGITUDE** -117.606864973
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" concrete with 1' base below followed by 2" soil and 4" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.8		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-1-9-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~85% fine to medium sand, ~15% fines, trace coarse sand							1.9		Soil Sample 61W-1-9-5.5 Temporary soil vapor probes installed at 5 and 15 ft below bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic-rated Eco Wheaton well box.
	~75% sand, ~15% fines									
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~65% fine to coarse sand, ~30% fine to coarse gravel, ~5% nonplastic fines		SP					2.9		
								2.4		Soil Sample 61W-1-9-14 Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-1-10

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 18 Mar 2022 **COMPLETED** 18 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050972295 **LONGITUDE** -117.606525655
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	SM	0.8	Soil Sample 61W-1-10-1 Hand auger to 5 feet below bottom of concrete.
5	~75% fine to medium sand, ~25% fines, trace coarse sand		3.3	Soil Sample 61W-1-10-6
	~85% fine to coarse sand, ~15% fines, trace fine gravel			PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~65% fine to coarse sand, ~30% fine to coarse gravel, ~5% nonplastic fines	SP	2.8	
10				
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand	SM	1.9	Soil sample depths collected with reference to bottom of concrete.
15				

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-1-11

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 18 Mar 2022 **COMPLETED** 18 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051246446 **LONGITUDE** -117.606185191
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" concrete with 6" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	SM	1.2	Hand auger to 5 feet below base of concrete. Soil Sample 61W-1-11-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand		1.3	Soil Sample 61W-1-11-6
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines	SP	1.4	
10			2.4	Soil sample depths collected with reference to bottom of concrete.
15				

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-8-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 18 Mar 2022 **COMPLETED** 18 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051899525 **LONGITUDE** -117.606521471
DRILLING EQUIPMENT Geoprobe 6660
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	SM	4.4	Soil Sample 61W-8-1-1
				Hand auger to 5 feet below bottom of asphalt.
5	Increased moisture		3.7	Soil Sample 61W-8-1-5.5
	~70% fine to medium sand, ~30% low to medium plasticity fines			
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines	SP		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10			4.2	
				Soil sample depths collected with reference to bottom of asphalt.
15			4.9	

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-10-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 11 Mar 2022 **COMPLETED** 11 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051272957 **LONGITUDE** -117.607569609
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.8		Soil Sample 61W-10-1-1 Hand auger to 5 feet below bottom of concrete.
5								1.4		Soil Sample 61W-10-1-5.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10	POORLY GRADED GRAVEL WITH SAND (GP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse gravel, ~35% fine to coarse sand, ~5% nonplastic fines		GP					1.6		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-10-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 11 Mar 2022 **COMPLETED** 11 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051196659 **LONGITUDE** -117.607664443
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.0		Soil Sample 61W-10-2-1 Hand auger to 5 feet below bottom of concrete.
5								0.4		Soil Sample 61W-10-2-5.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								0.6		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-17A-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 21 Mar 2022 **COMPLETED** 21 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052719284 **LONGITUDE** -117.607828329
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 7" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.7		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-17A-1-1
5	Light olive brown (2.5Y 5/4), ~85% fine to medium sand, ~15% fines, trace coarse sand							1.1		Soil Sample 61W-17A-1-5.5 Soil sample depths collected with reference to bottom of concrete.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines		SP							
10	2-inch diameter gravel							0.7		Soil Sample 61W-17A-1-10 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15								1.5		Soil Sample 61W-17A-1-15

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-17A-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 21 Mar 2022 **COMPLETED** 21 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052582828 **LONGITUDE** -117.607726431
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.4		Soil Sample 61W-17A-2-1 Hand auger to 5 feet below bottom of concrete.
5	~85% fine to medium sand, ~15% fines, trace coarse sand							2.2		Soil Sample 61W-17A-2-5.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% fines		SP					2.1		Soil sample depths collected with reference to bottom of concrete.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-17A-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 21 Mar 2022 **COMPLETED** 21 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052597792 **LONGITUDE** -117.608011830
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines		SM					1.0		Soil Sample 61W-17A-3-1 Hand auger to 5 feet below bottom of concrete.
5	Light olive brown (2.5Y 5/4), ~85% fine to medium sand, ~15% fines, trace coarse sand							0.7		Soil Sample 61W-17A-3-5.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					0.7		Soil sample depths collected with reference to bottom of concrete.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-17A-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 21 Mar 2022 **COMPLETED** 21 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052444011 **LONGITUDE** -117.607885268
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 9" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): light olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					1.8		Soil Sample 61W-17A-4-1 Hand auger to 5 feet below bottom of concrete.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							2.2		Soil Sample 61W-17A-4-5.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.9		Soil sample depths collected with reference to bottom of concrete.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-17A-5

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 21 Mar 2022 **COMPLETED** 21 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052287085 **LONGITUDE** -117.607786369
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.1		Soil Sample 61W-17A-5-1 Hand auger to 5 feet below bottom of concrete.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							2.9		Soil Sample 61W-17A-5-5.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP							Soil sample depths collected with reference to bottom of concrete.
10								1.8		

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-17A-6

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 21 Mar 2022 **COMPLETED** 21 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052209011 **LONGITUDE** -117.608072769
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 7" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.3		Soil Sample 61W-17A-6-1 Hand auger to 5 feet below bottom of concrete.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							2.9		Soil Sample 61W-17A-6-5.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of concrete.
10								2.5		

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-17A-7

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 21 Mar 2022 **COMPLETED** 21 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052007101 **LONGITUDE** -117.608145110
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.2		Soil Sample 61W-17A-7-1 Hand auger to 5 feet below bottom of concrete.
5	~85% fine to medium sand, ~15% low plasticity fines, trace coarse sand							3.4		Soil Sample 61W-17A-7-5.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
								2.2		Soil sample depths collected with reference to bottom of concrete.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-17A-8

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 21 Mar 2022 **COMPLETED** 21 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052008508 **LONGITUDE** -117.608343362
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.8		Soil Sample 61W-17A-8-1
	2-inch diameter asphalt fragment									Hand auger to 5 feet below bottom of concrete.
	~85% fine to medium sand, ~15% fines, trace coarse sand, and fine gravel									
5								7.7		Soil Sample 61W-17A-8-5.5
										PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	~75% fine to medium sand, ~25% fines, trace coarse sand									
								3.3		Soil sample depths collected with reference to bottom of concrete.
10										

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-23-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 18 Mar 2022 **COMPLETED** 18 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050985919 **LONGITUDE** -117.607198087
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" concrete with 1' base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					4.6		Soil Sample 61W-23-1-1 Hand auger to 5 feet below bottom of concrete.
5	~75% fine to medium sand, ~25% fines, trace coarse sand, trace fine gravel							3.4		Soil Sample 61W-23-1-5.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of concrete.
10								3.0		

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-23-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 18 Mar 2022 **COMPLETED** 18 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051079495 **LONGITUDE** -117.607092206
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" concrete with 1' base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.5		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-23-2-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand, trace fine gravel							3.4		Soil Sample 61W-23-2-5.5
10								2.1		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-23-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 18 Mar 2022 **COMPLETED** 18 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051150995 **LONGITUDE** -117.606931843
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" concrete with 6" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.5		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-23-3-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								2.2		Soil Sample 61W-23-3-5.5
10								4.6		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-24-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 9 Mar 2022 **COMPLETED** 9 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Hand Auger
LATITUDE 34.051473293 **LONGITUDE** -117.606490023
DRILLING EQUIPMENT Hand Auger
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
3	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.4 2.0		Hand auger to 3 feet below bottom of asphalt. Soil Sample 61W-24-1-1 Soil sample depths collected with reference to bottom of asphalt. Soil Sample 61W-24-1-3

Total Depth = 3.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-24-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 11 Mar 2022 **COMPLETED** 11 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051647938 **LONGITUDE** -117.606329790
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 10" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.0		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-24-2-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								2.2		Soil Sample 61W-24-2-5.5
10	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~90% fine to coarse sand, ~5% fine to coarse gravel, ~5% nonplastic fines		SP					2.4		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-24-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 11 Mar 2022 **COMPLETED** 11 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051709457 **LONGITUDE** -117.606251657
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 10" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.7		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-24-3-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	Black (10YR 2/1), organic material, soft							1.5		Soil Sample 61W-24-3-5.5
	Organic material absent									
	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 4/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					1.2		Soil sample depths collected with reference to bottom of asphalt.
10	Total Depth = 10.0 feet.									

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-24-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 11 Mar 2022 **COMPLETED** 11 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051756344 **LONGITUDE** -117.606197026
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 10" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.5		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-24-4-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	2-inch diameter gravel							1.7		Soil Sample 61W-24-4-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP							Soil sample depths collected with reference to bottom of asphalt.
10								1.8		

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-24-5

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 11 Mar 2022 **COMPLETED** 11 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051798388 **LONGITUDE** -117.606142418
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 10" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.7		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-24-5-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								2.3		Soil Sample 61W-24-5-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP							Soil sample depths collected with reference to bottom of asphalt.
10								1.6		

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
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Telephone: 949-679-1070

Log of Soil Boring: 61W-24-6

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 11 Mar 2022 **COMPLETED** 11 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051808174 **LONGITUDE** -117.605990370
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.9		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-24-6-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	Increased moisture							2.2		Soil Sample 61W-24-6-5.5
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					2.9		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
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Telephone: 949-679-1070

Log of Soil Boring: 61W-26-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 11 Mar 2022 **COMPLETED** 11 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051556553 **LONGITUDE** -117.607945517
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.6		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-26-1-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								4.7		Soil Sample 61W-26-1-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines		SP							Soil sample depths collected with reference to bottom of asphalt.
10								5.4		

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-29-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 9 Mar 2022 **COMPLETED** 9 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Hand Auger
LATITUDE 34.052777643 **LONGITUDE** -117.605917798
DRILLING EQUIPMENT Hand Auger
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel		SM					3.6 3.5		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-29-1-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of asphalt. Soil Sample 61W-29-1-5

Total Depth = 5.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-29-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 9 Mar 2022 **COMPLETED** 9 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Hand Auger
LATITUDE 34.052712804 **LONGITUDE** -117.605960922
DRILLING EQUIPMENT Hand Auger
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel		SM					2.6		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-29-2-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of asphalt.
5								3.7		Soil Sample 61W-29-2-5

Total Depth = 5.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI Environmental Inc.
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Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-29-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 9 Mar 2022 **COMPLETED** 9 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Hand Auger
LATITUDE 34.052683545 **LONGITUDE** -117.606034078
DRILLING EQUIPMENT Hand Auger
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel		SM					1.7		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-29-3-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of asphalt.
5								2.6		Soil Sample 61W-29-3-5

Total Depth = 5.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-30-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 16 Mar 2022 **COMPLETED** 16 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052244240 **LONGITUDE** -117.606713196
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.0		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-30-1-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								2.0		Soil Sample 61W-30-1-5.5
	~75% fine to medium sand, ~25% fines, trace coarse sand							1.9		Soil sample depths collected with reference to bottom of concrete.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-30-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 16 Mar 2022 **COMPLETED** 16 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052436575 **LONGITUDE** -117.606474289
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" concrete with 9" soil below followed by 2' asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.3		Soil Sample 61W-30-2-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines		SP					2.4 1.8		Soil Sample 61W-30-2-5.5 Hand auger to 1 foot bgs. Soil sample depths collected with reference to bottom of asphalt. Native soil starting at 3 ft bgs.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-30-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 16 Mar 2022 **COMPLETED** 16 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052484131 **LONGITUDE** -117.606286118
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" concrete with 1' soil below followed by 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					4.1		Soil Sample 61W-30-3-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							3.3		Soil Sample 61W-30-3-5.5 Hand auger to 1 foot bgs. Soil sample depths collected with reference to bottom of asphalt.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					5.1		
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-30-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 16 Mar 2022 **COMPLETED** 16 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052751896 **LONGITUDE** -117.606544509
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					3.3		Soil Sample 61W-30-4-1
										PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								4.6		Soil Sample 61W-30-4-5.5
	~75% sand, ~25% fines									Hand auger to 5 feet below bottom of concrete.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% nonplastic fines, ~5% fine gravel		SP					4.1		Soil sample depths collected with reference to bottom of concrete.
10										

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-30-5

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 16 Mar 2022 **COMPLETED** 16 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052561888 **LONGITUDE** -117.606799169
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.7		Soil Sample 61W-30-5-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% sand, ~25% fines							1.5		Soil Sample 61W-30-5-5.5 Hand auger to 5 feet below bottom of concrete.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% nonplastic fines, ~5% fine gravel		SP					1.7		Soil sample depths collected with reference to bottom of concrete.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-30-6

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 15 Mar 2022 **COMPLETED** 15 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052820236 **LONGITUDE** -117.606844716
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.2		Soil Sample 61W-30-6-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								2.7		Soil Sample 61W-30-6-5.5 Hand auger to 5 feet below bottom of concrete.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					1.9		Soil sample depths collected with reference to bottom of concrete.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
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Telephone: 949-679-1070

Log of Soil Boring: 61W-30-7

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 16 Mar 2022 **COMPLETED** 16 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052642011 **LONGITUDE** -117.606435131
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					4.1		Soil Sample 61W-30-7-1 Hand auger to 4 feet below bottom of concrete.
	2-inch diameter gravel									
5								2.2		Soil Sample 61W-30-7-5.5
	~75% fine to medium sand, ~25% fines, trace coarse sand									
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					2.2		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10										
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM					3.4		Soil sample depths collected with reference to bottom of concrete.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Telephone: 949-679-1070

Log of Soil Boring: 61W-30-8

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 16 Mar 2022 **COMPLETED** 16 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Hand Auger
LATITUDE 34.052611603 **LONGITUDE** -117.606309030
DRILLING EQUIPMENT Hand Auger
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" concrete **BORING DIAMETER (in)** 3.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.0		Soil Sample 61W-30-8-1 Hand auger to 15 feet below bottom of concrete.
	~75% fine to medium sand, ~25% fines, trace coarse sand									Boring located in pit approximately 2 feet lower than surrounding surface.
5	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP					2.7		Soil Sample 61W-30-8-5.5
10								3.2		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM							
15								4.5		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 15.0 feet.
Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Telephone: 949-679-1070

Log of Soil Boring: 61W-32-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 15 Mar 2022 **COMPLETED** 15 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052850828 **LONGITUDE** -117.607388047
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" concrete with 6" soil below followed by 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.2		Soil Sample 61W-32-1-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% sand, ~25% fines							2.6		Soil Sample 61W-32-1-5.5 Hand auger to 5 feet below bottom of asphalt.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines		SP					2.5		Soil sample depths collected with reference to bottom of asphalt.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-32-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 15 Mar 2022 **COMPLETED** 15 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052878555 **LONGITUDE** -117.607247174
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" concrete with 4" soil below followed by 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.4		Soil Sample 61W-32-2-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% sand, ~25% fines							1.9		Soil Sample 61W-32-2-5.5 Hand auger to 5 feet below bottom of asphalt.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines		SP					1.8		Soil sample depths collected with reference to bottom of asphalt.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-32-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 15 Mar 2022 **COMPLETED** 15 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Hand Auger
LATITUDE 34.053045148 **LONGITUDE** -117.607434825
DRILLING EQUIPMENT Hand Auger
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" concrete with 3" soil below followed by 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.8		Soil Sample 61W-32-3-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% sand, ~25% fines							1.0		Soil Sample 61W-32-3-5.5 Hand auger to 10 feet below bottom of asphalt.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines		SP					2.0		Soil sample depths collected with reference to bottom of asphalt.
10	Total Depth = 10.0 feet.									

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-32-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 15 Mar 2022 **COMPLETED** 15 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052981842 **LONGITUDE** -117.607170593
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" concrete with 3" soil below followed by 5" asphalt
BORING DIAMETER (in) 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.4		Soil Sample 61W-32-4-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								1.7		Soil Sample 61W-32-4-5.5 Hand auger to 5 feet below bottom of asphalt.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					1.3		Soil sample depths collected with reference to bottom of asphalt.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-32-5

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 15 Mar 2022 **COMPLETED** 15 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.053072771 **LONGITUDE** -117.607239669
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" concrete with 6" soil below followed by 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.7		Soil Sample 61W-32-5-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% sand, ~25% fines, trace fine gravel							1.7		Soil Sample 61W-32-5-5.5 Hand auger to 5 feet below bottom of asphalt.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine gravel, ~5% nonplastic fines		SP					1.9		Soil sample depths collected with reference to bottom of asphalt.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-32-6

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 15 Mar 2022 **COMPLETED** 15 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.053144275 **LONGITUDE** -117.607116274
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
with 6" base below followed by 5" asphalt
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					1.5		Soil Sample 61W-32-6-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								1.7		Soil Sample 61W-32-6-5.5 Hand auger to 5 feet below bottom of asphalt.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					1.4		Soil sample depths collected with reference to bottom of asphalt.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\EFANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925_EFA.GPJ

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-32-7

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 15 Mar 2022 **COMPLETED** 15 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.053210570 **LONGITUDE** -117.606969572
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2.5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
with 6" base below followed by 3" asphalt
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.6		Soil Sample 61W-32-7-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								0.8		Soil Sample 61W-32-7-5.5 Hand auger to 5 feet below bottom of asphalt.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					1.4		Soil sample depths collected with reference to bottom of asphalt.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-32-8

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 17 Mar 2022 **COMPLETED** 17 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.053125139 **LONGITUDE** -117.607514483
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" asphalt with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.4		Soil Sample 61W-32-8-1
	~75% fine to medium sand, ~25% fines, trace coarse sand									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								1.0		Soil Sample 61W-32-8-5.5
										Hand auger to 5 feet below bottom of asphalt.
	POORLY GRADED SAND WITH GRAVEL (SP): light yellowish brown (2.5Y 6/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					2.3		Soil sample depths collected with reference to bottom of asphalt.
10										

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-32-9

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 17 Mar 2022 **COMPLETED** 17 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.053282218 **LONGITUDE** -117.607497141
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" asphalt with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.2		Soil Sample 61W-32-9-1
										PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand									
5								2.1		Soil Sample 61W-32-9-5.5
										Hand auger to 5 feet below bottom of asphalt.
	~85% fine to coarse sand, ~15% fines, trace fine gravel									
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					0.8		Soil sample depths collected with reference to bottom of asphalt.
10										

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-32-10

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 17 Mar 2022 **COMPLETED** 17 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.053261226 **LONGITUDE** -117.607298688
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.8		Soil Sample 61W-32-10-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							1.8		Soil Sample 61W-32-10-5.5 Hand auger to 5 feet below bottom of asphalt.
	~80% fine to coarse sand, ~15% fines, ~5% fine gravel							1.3		Soil sample depths collected with reference to bottom of asphalt.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-37-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 10 Mar 2022 **COMPLETED** 10 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052283420 **LONGITUDE** -117.608566872
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND WITH GRAVEL (SM): olive brown (2.5Y 4/4), moist, ~60% fine to coarse sand, ~20% fine to coarse gravel, ~20% low plasticity fines		SM					0.8		Soil Sample 61W-37-1-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								1.3		Soil Sample 61W-37-1-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), wet, ~75% fine to coarse sand, ~20% fine gravel, ~5% nonplastic fines		SP							Hand auger to 5 feet below bottom of asphalt.
10								1.2		
15	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines		SP					1.5		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-37-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 10 Mar 2022 **COMPLETED** 10 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052391853 **LONGITUDE** -117.608437397
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel		SM					1.0		Soil Sample 61W-37-2-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								1.4		Soil Sample 61W-37-2-5.5
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines 1-inch diameter gravel 2-inch diameter gravel		SP							Hand auger to 5 feet below bottom of asphalt.
10								1.8		
	Light olive brown (2.5Y 5/3), ~95% fine to coarse sand, ~5% fines, trace fine gravel									
15								1.6		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 61W-38-1

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
GSI JOB NUMBER 5925
DATE STARTED 10 Mar 2022 **COMPLETED** 10 Mar 2022
DRILLING CONTRACTOR Interphase Environmental, Inc.
DRILLING METHOD Direct Push with Dual Tube Coring System
DRILLING EQUIPMENT Geoprobe 6600
GROUND SURFACE 5" asphalt with 4" base below **BORING DIAMETER (in)** 3.25 / 2.25

PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
PROJECT LOCATION Ontario Airport, Ontario, California
GROUND ELEVATION Ground Surface **DATUM** NA
TOP OF CASING ELEVATION NA **DATUM** NA
LATITUDE 34.052442569 **LONGITUDE** -117.608418141
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel	SM	1.3	Soil Sample 61W-38-1-1
				PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5			3.3	Soil Sample 61W-38-1-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	SP		Hand auger to 5 feet below bottom of asphalt.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	SP		
10			3.8	
15			3.4	Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 6/7/22 17:01 - C:\USERS\EFANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925_EFA.GPJ

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-38-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 10 Mar 2022 **COMPLETED** 10 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052531497 **LONGITUDE** -117.608313177
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt with 6" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel	SM	1.5	Soil Sample 61W-38-2-1
				PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5			2.3	Soil Sample 61W-38-2-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	SP		Hand auger to 5 feet below bottom of asphalt.
10			3.2	
15			3.0	Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-39-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 10 Mar 2022 **COMPLETED** 10 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052621085 **LONGITUDE** -117.608301302
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel		SM					1.8		Soil Sample 61W-39-1-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								3.6		Soil Sample 61W-39-1-5.5
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines		SP							Hand auger to 5 feet below bottom of asphalt.
10								5.1		
15								5.0		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-39-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 10 Mar 2022 **COMPLETED** 10 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052580620 **LONGITUDE** -117.608455009
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel	SM	2.6	Soil Sample 61W-39-2-1
				PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5			5.7	Soil Sample 61W-39-2-5.5
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines	SP		Hand auger to 5 feet below bottom of asphalt.
10			5.5	
15			5.9	Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-39-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 10 Mar 2022 **COMPLETED** 10 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052655420 **LONGITUDE** -117.608439161
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel	SM	3.1	Soil Sample 61W-39-3-1
				PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5			2.0	Soil Sample 61W-39-3-5.5
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines	SP		Hand auger to 5 feet below bottom of asphalt.
10			4.9	
			2.9	Soil sample depths collected with reference to bottom of asphalt.
15	Total Depth = 15.0 feet.			

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-40-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 9 Mar 2022 **COMPLETED** 9 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.053291601 **LONGITUDE** -117.606742859
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine to coarse gravel		SM					1.5		Soil Sample 61W-40-1-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines		SP					4.1		Soil Sample 61W-40-1-5.5 Hand auger to 5 feet below bottom of asphalt.
10								3.4		
15								2.1		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-41-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 9 Mar 2022 **COMPLETED** 9 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.053178923 **LONGITUDE** -117.606612597
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine to coarse gravel	SM	1.5	Soil Sample 61W-41-1-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5			2.2	Soil Sample 61W-41-1-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines	SP		Hand auger to 5 feet below bottom of asphalt.
10			5.3	
			5.4	Soil sample depths collected with reference to bottom of asphalt.
15				

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-41-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 9 Mar 2022 **COMPLETED** 9 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.053128854 **LONGITUDE** -117.606547316
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine to coarse gravel	SM	1.2	Soil Sample 61W-41-2-1
				PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5			1.7	Soil Sample 61W-41-2-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	SP		Hand auger to 5 feet below bottom of asphalt.
	~80% sand, ~15% gravel, ~5% fines			
10			2.9	
	~60% sand, ~35% gravel, ~5% fines			
15			2.5	Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-42-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 9 Mar 2022 **COMPLETED** 9 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052962873 **LONGITUDE** -117.606462305
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel	SM	0.9	Soil Sample 61W-42-1-1
				PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines	SP	2.6	Soil Sample 61W-42-1-5.5
				Hand auger to 5 feet below bottom of asphalt.
10	CLAYEY SAND (SC): light olive brown (2.5Y 5/4), moist, ~60% fine to medium sand, ~40% low to medium plasticity fines		2.9	
			2.4	Soil sample depths collected with reference to bottom of asphalt.
15				

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-43-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 21 Mar 2022 **COMPLETED** 21 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051605466 **LONGITUDE** -117.607172606
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.0		Soil Sample 61W-43-1-1
										PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% sand, ~25% fines							1.9		Soil Sample 61W-43-1-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine gravel, ~5% nonplastic fines		SP							Hand auger to 5 feet below bottom of asphalt.
10	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to medium sand, ~15% low plasticity fines, trace coarse sand		SM					1.1		
	~75% sand, ~25% fines									Soil sample depths collected with reference to bottom of asphalt.
15								1.9		

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-43-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 23 Mar 2022 **COMPLETED** 23 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051536981 **LONGITUDE** -117.607290808
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	SM	1.5	Soil Sample 61W-43-2-1
				PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand		2.2	Soil Sample 61W-43-2-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines			Hand auger to 5 feet below bottom of asphalt.
10	~85% fine to coarse sand, ~15% fines		4.6	
	~75% fine to medium sand, ~25% low to medium plasticity fines			Soil sample depths collected with reference to bottom of asphalt.
15			2.5	

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61W-44

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 17 Mar 2022 **COMPLETED** 17 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051603499 **LONGITUDE** -117.608028124
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines	SM	3.7	Soil Sample 61W-44-1
5			2.6	Soil Sample 61W-44-5.5
8	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 5/4), ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines			Hand auger to 5 feet below bottom of asphalt.
10	~75% fine to medium sand, ~25% fines, trace coarse sand		3.4	
15			4.9	Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61C-4-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 23 Feb 2022 **COMPLETED** 23 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051662817 **LONGITUDE** -117.602981298
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 with 2.25' degraded asphalt and base below
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED GRAVEL WITH SAND (GP): dark brown (10YR 3/3), moist, ~75% fine to coarse gravel, ~20% fine to coarse sand, ~5% nonplastic fines		GP					1.8		Soil Sample 61C-4-1-1
	Light olive brown (2.5Y 5/4)									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								3.3		Soil Sample 61C-4-1-5
										Hand auger to 1-foot below bottom of asphalt.
										Soil sample depths collected with reference to bottom of asphalt.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~70% fine to coarse sand, ~25% fine gravel, ~5% nonplastic fines		SP					3.6		
10										

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61C-4-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 23 Feb 2022 **COMPLETED** 23 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051507466 **LONGITUDE** -117.603036893
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel, sand size predominantly fine to medium Asphalt		SP					4.1		Soil Sample 61C-4-2-1.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	Light olive brown (2.5Y 5/4)									
5								4.3		Soil Sample 61C-4-2-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~70% fine to medium sand, ~30% low to medium plasticity fines, trace coarse sand, and fine gravel		SM							Hand auger to 5 feet below bottom of concrete. Soil sample depths collected with reference to bottom of concrete.
10								5.3		

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61C-4-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 23 Feb 2022 **COMPLETED** 23 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051442933 **LONGITUDE** -117.602985006
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines, sand size predominantly fine to medium		SP					4.1		Soil Sample 61C-4-3-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	Light olive brown (2.5Y 5/3), ~95% fine to coarse sand, ~5% fines, trace fine gravel							2.7		Soil Sample 61C-4-3-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~70% fine to medium sand, ~30% low to medium plasticity fines, trace coarse sand, and fine gravel		SM							Hand auger to 5 feet below bottom of asphalt. Soil sample depths collected with reference to bottom of asphalt.
10								5.9		

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61C-4-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 23 Feb 2022 **COMPLETED** 23 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051334807 **LONGITUDE** -117.603003922
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					3.3		Soil Sample 61C-4-4-1
										PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								2.4		Soil Sample 61C-4-4-5.5
	2-inch diameter gravel									Hand auger to 5 feet below bottom of asphalt.
										Soil sample depths collected with reference to bottom of asphalt.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61C-4-5

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 23 Feb 2022 **COMPLETED** 23 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051225740 **LONGITUDE** -117.603100942
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine to coarse gravel		SP					3.9		Soil Sample 61C-4-5-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								3.7		Soil Sample 61C-4-5-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel		SM							Hand auger to 5 foot below bottom of asphalt.
	Increased moisture									
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines		SP					4.2		Soil sample depths collected with reference to bottom of asphalt.
10										

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 61C-8-1

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 23 Feb 2022 **COMPLETED** 23 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051112920 **LONGITUDE** -117.603127940
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine to coarse gravel		SP					3.6		Soil Sample 61C-8-1-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								3.1		Soil Sample 61C-8-1-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel		SM							Hand auger to 5 feet below bottom of asphalt.
10								4.5		
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							Soil sample depths collected with reference to bottom of asphalt.
15								4.9		

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61C-8-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 23 Feb 2022 **COMPLETED** 23 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051087349 **LONGITUDE** -117.603127608
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							Soil Sample 61C-8-2-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								2.5		Soil Sample 61C-8-2-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel		SM							Hand auger to 5 feet below bottom of asphalt.
10								4.3		
	POORLY GRADED SAND (SP): light yellowish brown (2.5Y 6/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines		SP					5.3		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 61C-8-3

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 24 Feb 2022 **COMPLETED** 24 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051075168 **LONGITUDE** -117.603058225
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					0.2		Soil Sample 61C-8-3-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								0.5		Soil Sample 61C-8-3-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel		SM							Hand auger to 5 feet below bottom of asphalt.
10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					0.4		
15								0.4		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61C-8-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 24 Feb 2022 **COMPLETED** 24 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051043302 **LONGITUDE** -117.603067593
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	SP	0.6	Soil Sample 61C-8-4-1
				PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5			0.5	Soil Sample 61C-8-4-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, and fine gravel	SM		Hand auger to 5 feet below bottom of asphalt.
10			1.6	
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	SP		
15			1.5	Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61C-8-5

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 24 Feb 2022 **COMPLETED** 24 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050804625 **LONGITUDE** -117.603027690
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.3		Soil Sample 61C-8-5-1
										PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								1.7		
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand		SM							Soil Sample 61C-8-5-5.5
										Hand auger to 5 feet below bottom of asphalt.
	POORLY GRADED SAND (SP): pale brown (2.5Y 7/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines 2-inch diameter gravel									
10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines		SP					1.5		
										Soil sample depths collected with reference to bottom of asphalt.
15								1.7		

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 61C-8-6-SV10

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 24 Feb 2022 **COMPLETED** 24 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050650348 **LONGITUDE** -117.602999897
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines		SP					1.4		Soil Sample 61C-8-6-SV10-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel		SM					1.6		Soil Sample 61C-8-6-SV10-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					2.2		
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.7		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Log of Soil Boring: 62-2-1

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
GSI JOB NUMBER 5925
DATE STARTED 1 Mar 2022 **COMPLETED** 1 Mar 2022
DRILLING CONTRACTOR Interphase Environmental, Inc.
DRILLING METHOD Direct Push with Dual Tube Coring System
DRILLING EQUIPMENT Geoprobe 6620DT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25

PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
PROJECT LOCATION Ontario Airport, Ontario, California
GROUND ELEVATION Ground Surface **DATUM** NA
TOP OF CASING ELEVATION NA **DATUM** NA
LATITUDE 34.051842838 **LONGITUDE** -117.603857095
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					3.4		Soil Sample 62-2-1-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								5.2		Soil Sample 62-2-1-6
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM							Hand auger to 5 feet below bottom of asphalt.
10								4.7		
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~65% fine to coarse sand, ~30% fine to coarse gravel, ~5% nonplastic fines		SP							
15								5.0		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-2-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 2 Mar 2022 **COMPLETED** 2 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051790154 **LONGITUDE** -117.603847359
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.1		Soil Sample 62-2-2-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								0.8		Soil Sample 62-2-2-6
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM							Hand auger to 5 feet below bottom of asphalt.
10								0.9		
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~65% fine to coarse sand, ~30% fine to coarse gravel, ~5% nonplastic fines		SP					1.2		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-2-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 1 Mar 2022 **COMPLETED** 1 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051746537 **LONGITUDE** -117.603865283
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					3.8		Soil Sample 62-2-3-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM					3.3		Soil Sample 62-2-3-6 Hand auger to 5 feet below bottom of asphalt.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					3.0 5.1		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\EFANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925_EFA.GPJ

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-2-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 2 Mar 2022 **COMPLETED** 2 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051761039 **LONGITUDE** -117.603818930
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.6		Soil Sample 62-2-4-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, and fine gravel		SM					1.4		Soil Sample 62-2-4-6 Hand auger to 5 feet below bottom of asphalt.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					1.8		
	~75% sand, ~20% fine gravel, ~5% fines							1.1		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-5-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 25 Feb 2022 **COMPLETED** 1 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052619279 **LONGITUDE** -117.604123274
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 4/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					0.1		Soil Sample 62-5-1-1
	~80% sand, ~15% fine gravel, ~5% fines							0.3		Soil Sample 62-5-1-SO-3
	3-inch diameter gravel									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, and fine gravel		SM					0.1		Soil Sample 62-5-1-5.5
										Hand auger to 5 feet below bottom of concrete.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines		SP					0.1		Soil sample depths collected with reference to bottom of concrete.
10										

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\EFANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925_EFA.GPJ

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-5-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 25 Feb 2022 **COMPLETED** 25 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052434276 **LONGITUDE** -117.604008035
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 4/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					0.1		Soil Sample 62-5-2-1
										Soil Sample 62-5-2-3
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					0.1		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	3-inch diameter gravel									
5								0.2		Soil Sample 62-5-2-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, and fine gravel		SM							Hand auger to 5 feet below bottom of concrete.
										Soil sample depths collected with reference to bottom of concrete.
10								0.1		

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-5-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 25 Feb 2022 **COMPLETED** 25 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.052154277 **LONGITUDE** -117.604007114
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines		SP					0.9		Soil Sample 62-5-3-1
	2-inch diameter asphalt									Hand auger to 5 feet below bottom of concrete.
	~95% sand, ~5% fines, trace fine gravel							0.9		Soil Sample 62-5-3-3
5								1.2		Soil Sample 62-5-3-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
										Soil sample depths collected with reference to bottom of concrete.
10								1.4		

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI Environmental Inc.
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Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-5-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 25 Feb 2022 **COMPLETED** 25 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051978284 **LONGITUDE** -117.604011906
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					0.9		Soil Sample 62-5-4-1
	1-inch diameter asphalt									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	2-inch diameter gravel							1.1		Soil Sample 62-5-4-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM							Hand auger to 5 feet below bottom of concrete.
								1.3		Soil sample depths collected with reference to bottom of concrete.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-5-5

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 25 Feb 2022 **COMPLETED** 25 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051843333 **LONGITUDE** -117.604089672
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.2		Soil Sample 62-5-5-1
										PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								1.4		Soil Sample 62-5-5-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM							Hand auger to 5 feet below bottom of concrete.
										Soil sample depths collected with reference to bottom of concrete.
10								2.4		

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
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Telephone: 949-679-1070

Log of Soil Boring: 62-5-6

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 25 Feb 2022 **COMPLETED** 25 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051840072 **LONGITUDE** -117.603932747
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.0		Soil Sample 62-5-6-1 Hand auger to 5 feet below bottom of concrete.
								1.3		Soil Sample 62-5-6-3
5								0.9		Soil Sample 62-5-6-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								0.6		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 62-8-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 28 Feb 2022 **COMPLETED** 28 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Hand Auger
LATITUDE 34.051604941 **LONGITUDE** -117.604127678
DRILLING EQUIPMENT Hand Auger
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 9" concrete with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): dark yellowish brown (10YR 4/4), moist, ~75% fine to coarse sand, ~25% low to medium plasticity fines, trace fine gravel, sand size is predominantly fine to medium		SM					1.0		Soil Sample 62-8-1-1
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					2.5		Hand auger to 10 feet below bottom of concrete. Soil Sample 62-8-1-3
5								2.7		Soil Sample 62-8-1-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM					2.4		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of concrete.
10										

Total Depth = 10.0 feet.

Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-8-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 28 Feb 2022 **COMPLETED** 28 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051504225 **LONGITUDE** -117.604094060
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 9" concrete with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): dark yellowish brown (10YR 4/4), moist, ~75% fine to coarse sand, ~25% low to medium plasticity fines, trace fine gravel		SM					2.8		Soil Sample 62-8-2-1
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					2.8		Hand auger to 5 feet below bottom of concrete. Soil Sample 62-8-2-3
5								1.8		Soil Sample 62-8-2-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM					2.1		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of concrete.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-8-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 28 Feb 2022 **COMPLETED** 28 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051347926 **LONGITUDE** -117.604092894
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 10" concrete with 2" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): dark yellowish brown (10YR 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					4.4		Soil Sample 62-8-3-1
	1-inch diameter degraded asphalt									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							
5								2.0		Soil Sample 62-8-3-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM							Hand auger to 5 feet below bottom of concrete.
								2.3		Soil sample depths collected with reference to bottom of concrete.
10										

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-8-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 28 Feb 2022 **COMPLETED** 28 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051181516 **LONGITUDE** -117.604093785
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 10" concrete with 2" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.9		Soil Sample 62-8-4-1
	2-inch diameter degraded asphalt									Hand auger to 5 feet below bottom of concrete.
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					2.9		Soil Sample 62-8-4-3.5
5	~85% sand, ~10% fine to coarse gravel, predominantly fine gravel, ~5% fines							2.6		Soil Sample 62-8-4-5.5
	Light olive brown (2.5Y 5/4)									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
								3.0		Soil sample depths collected with reference to bottom of concrete.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-8-5

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 28 Feb 2022 **COMPLETED** 28 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051099041 **LONGITUDE** -117.604163473
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 9" concrete with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): light olive brown (2.5Y 5/6), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					4.1		Soil Sample 62-8-5-1
	2-inch diameter weathered asphalt									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines, trace coarse gravel		SP					4.1		Soil Sample 62-8-5-5.5
										Hand auger to 5 feet below bottom of concrete.
								4.8		
10										Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-8-6

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 28 Feb 2022 **COMPLETED** 28 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.051093893 **LONGITUDE** -117.603955643
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 9" concrete with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): light olive brown (2.5Y 5/6), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					2.3		Soil Sample 62-8-6-1 Hand auger to 5 feet below bottom of concrete.
	2-inch diameter degraded asphalt ~85% sand, ~15% fines							2.6		Soil Sample 62-8-6-3.5
5								3.0		Soil Sample 62-8-6-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					5.0		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of concrete.
10										

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.

GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:12 - C:\USERS\EFANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925_EFA.GPJ

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-9-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 1 Mar 2022 **COMPLETED** 1 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050992743 **LONGITUDE** -117.604030670
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					3.6		Soil Sample 62-9-1-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								3.5		Soil Sample 62-9-1-6 Temporary soil vapor probes installed at 5 and 15 ft below bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic-rated Emco Wheaton well box.
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP					4.4		Soil sample depths collected with reference to bottom of asphalt.
	3-inch diameter gravel									
15								5.1		Soil Sample 62-9-1-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-9-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 1 Mar 2022 **COMPLETED** 1 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050995005 **LONGITUDE** -117.604086144
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel	SM	2.9	Soil Sample 62-9-2-1 Hand auger to 5 feet below bottom of asphalt.
5			4.8	Soil Sample 62-9-2-5.5
8	~85% sand, ~15% fines			PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10			5.1	
15	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines	SP	5.6	Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-9-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 1 Mar 2022 **COMPLETED** 1 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050994560 **LONGITUDE** -117.604107013
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					4.3		Soil Sample 62-9-3-1 Hand auger to 5 feet below bottom of asphalt.
5	~85% sand, ~15% fines							6.9		Soil Sample 62-9-3-6
										PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								6.5		
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							
15								7.0		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-9-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 1 Mar 2022 **COMPLETED** 1 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050924883 **LONGITUDE** -117.604126896
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					4.1		Soil Sample 62-9-4-1 Hand auger to 5 feet below bottom of asphalt.
5								4.0		Soil Sample 62-9-4-5.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10	Light olive brown (2.5Y 5/3)							3.1		
15								5.3		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 62-13-1

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 14 Mar 2022 **COMPLETED** 14 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050370249 **LONGITUDE** -117.605213521
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					3.2		Soil Sample 62-13-1-1 Hand auger to 5 feet below bottom of asphalt.
5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines		SP					4.5		Soil Sample 62-13-1-5.5
10								4.4		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15								4.6		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 62-13-2

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 14 Mar 2022 **COMPLETED** 14 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050371383 **LONGITUDE** -117.605023095
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					3.9		Soil Sample 62-13-2-1 Hand auger to 5 feet below bottom of asphalt.
5								5.4		Soil Sample 62-13-2-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~80% fine to coarse sand, ~15% fine gravel, ~5% nonplastic fines		SP							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	~60% sand, ~35% fine to coarse gravel, ~5% fines									
10								4.1		
										Soil sample depths collected with reference to bottom of asphalt.
15								4.5		

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 62-13-3

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 14 Mar 2022 **COMPLETED** 14 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050366818 **LONGITUDE** -117.604930696
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					5.1		Soil Sample 62-13-3-1 Hand auger to 5 feet below bottom of asphalt.
5	~75% sand, ~25% fines							5.3		Soil Sample 62-13-3-5.5
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~80% fine to coarse sand, ~15% fine to coarse gravel, ~5% nonplastic fines		SP					5.6		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15								4.4		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 62-13-4

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 14 Mar 2022 **COMPLETED** 14 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050299486 **LONGITUDE** -117.604903742
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt with 4" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.9		Soil Sample 62-13-4-1 Hand auger to 5 feet below bottom of asphalt.
5								2.7		Soil Sample 62-13-4-5.5
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM					2.7		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10										
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					2.6		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-13-5

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 14 Mar 2022 **COMPLETED** 14 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050161930 **LONGITUDE** -117.605216685
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.4		Soil Sample 62-13-5-1 Hand auger to 5 feet below bottom of asphalt.
5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					0.9		Soil Sample 62-13-5-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~80% fine to coarse sand, ~15% fine gravel, ~5% nonplastic fines		SP					0.8		
	~60% sand, ~35% fine to coarse gravel, ~5% fines									Soil sample depths collected with reference to bottom of asphalt.
	~80% sand, ~15% fine gravel, ~5% fines							1.0		
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-13-6

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 14 Mar 2022 **COMPLETED** 14 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050176685 **LONGITUDE** -117.604903107
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt with 4" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.8		Soil Sample 62-13-6-1 Hand auger to 5 feet below bottom of asphalt.
5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					1.6		Soil Sample 62-13-6-5.5
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					1.9		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15								1.6		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 62-13-7

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 14 Mar 2022 **COMPLETED** 14 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050122675 **LONGITUDE** -117.605016827
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt with 4" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.0		Soil Sample 62-13-7-1 Hand auger to 5 feet below bottom of asphalt.
5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.1		Soil Sample 62-13-7-5.5
10	POORLY GRADED SAND WITH GRAVEL (SP): light yellowish brown (2.5Y 6/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					1.4		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	~75% sand, ~20% gravel, ~5% fines							1.0		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 6/7/22 17:01 - C:\USERS\EFANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925_EFA.GPJ

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 68-2-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 2 Mar 2022 **COMPLETED** 2 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050374831 **LONGITUDE** -117.600395751
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE soil **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand and fine gravel		SM					5.4		Soil Sample 68-2-1-1 Hand auger to 5 feet below ground surface.
5	Increased moisture, ~75% sand, ~25% low to medium plasticity fines							4.5		Soil Sample 68-2-1-5.5
	3-inch diameter gravel									
	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines		SP					4.8		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								5.5		
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 68-2-2

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 2 Mar 2022 **COMPLETED** 2 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050396341 **LONGITUDE** -117.600373997
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 9" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM					2.0		Soil Sample 68-2-2-1 Hand auger to 5 feet below bottom of asphalt.
5	Increased moisture, ~75% sand, ~25% low to medium plasticity fines							3.9		Soil Sample 68-2-2-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 4/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								4.4		
								5.0		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
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Telephone: 949-679-1070

Log of Soil Boring: 68-2-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 3 Mar 2022 **COMPLETED** 3 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050396350 **LONGITUDE** -117.600327874
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine to coarse gravel		SM					1.5		Soil Sample 68-2-3-1 Hand auger to 5 feet below bottom of asphalt.
5								1.8		Soil Sample 68-2-3-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								3.0		
	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/4), moist, ~60% fines, ~40% fine sand, medium plasticity, firm, slow dilatancy, medium dry strength		CL					2.8		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.

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Telephone: 949-679-1070

Log of Soil Boring: 68-6-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 7 Mar 2022 **COMPLETED** 7 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.049946495 **LONGITUDE** -117.600341502
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 7" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines		SM					2.9		Soil Sample 68-6-1-1 Hand auger to 5 feet below bottom of concrete.
5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.9		Soil Sample 68-6-1-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP					2.7		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								2.6		Soil sample depths collected with reference to bottom of concrete.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 68-6-2

GSI Environmental Inc.
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Telephone: 949-679-1070

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 7 Mar 2022 **COMPLETED** 7 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.049617797 **LONGITUDE** -117.600340832
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					2.2		Soil Sample 68-6-2-1 Hand auger to 5 feet below bottom of concrete.
5	~85% sand, ~15% fines							4.9		Soil Sample 68-6-2-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								3.7		
	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~70% fine sand, ~30% low plasticity fines, trace medium sand		SM					4.4		Soil sample depths collected with reference to bottom of concrete.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Telephone: 949-679-1070

Log of Soil Boring: 68-7-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 7 Mar 2022 **COMPLETED** 7 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.049784203 **LONGITUDE** -117.600519742
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 4/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					2.9		Soil Sample 68-7-1-1 Hand auger to 5 feet below bottom of asphalt.
5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines, trace coarse gravel		SP					5.1		Soil Sample 68-7-1-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~80% fine to coarse sand, ~15% fine to coarse gravel, ~5% nonplastic fines		SP					2.2 4.5		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 68-7-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 7 Mar 2022 **COMPLETED** 7 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.049785674 **LONGITUDE** -117.600186114
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt with 4" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					2.4		Soil Sample 68-7-2-1 Hand auger to 5 feet below bottom of asphalt.
5	~85% sand, ~15% fines							5.3		Soil Sample 68-7-2-5.5
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					5.1		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
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Telephone: 949-679-1070

Log of Soil Boring: 68-12-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 2 Mar 2022 **COMPLETED** 2 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.050385263 **LONGITUDE** -117.601829160
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE soil **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to medium sand, ~15% low plasticity fines, trace coarse sand, trace fine gravel		SM					1.7		Soil Sample 68-12-1-1
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					2.2		Hand auger to 5 feet below ground surface. Soil Sample 68-12-1-3
5								2.9		Soil Sample 68-12-1-6
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel		SM							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines		SP					3.1		
10										

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
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Telephone: 949-679-1070

Log of Soil Boring: 68-12-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 2 Mar 2022 **COMPLETED** 2 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Hand Auger
LATITUDE 34.050303596 **LONGITUDE** -117.601817828
DRILLING EQUIPMENT Hand Auger
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 7" concrete **BORING DIAMETER (in)** 3.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to medium sand, ~15% low plasticity fines, trace coarse sand, trace fine gravel		SM					0.9		Soil Sample 68-12-2-1
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.3		Soil Sample 68-12-2-3 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								1.8		Soil Sample 68-12-2-6
	SILTY SAND (SM): light olive brown (2.5Y 5/6), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel		SM							Hand auger to 10 feet below bottom of concrete.
10								1.5		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 68-17-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 8 Mar 2022 **COMPLETED** 8 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Hand Auger
LATITUDE 34.049801334 **LONGITUDE** -117.601343189
DRILLING EQUIPMENT Hand Auger
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.2		Soil Sample 68-17-1-1
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								3.6		Soil Sample 68-17-1-5.5
										Hand auger to 10 feet below bottom of concrete.
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM							Soil sample depths collected with reference to bottom of concrete.
10								1.4		

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
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Telephone: 949-679-1070

Log of Soil Boring: 68-17-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 8 Mar 2022 **COMPLETED** 8 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Hand Auger
LATITUDE 34.049747035 **LONGITUDE** -117.601343291
DRILLING EQUIPMENT Hand Auger
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.0		Soil Sample 68-17-2-1
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								1.7		Soil Sample 68-17-2-5.5
										Hand auger to 10 feet below bottom of concrete.
										Soil sample depths collected with reference to bottom of concrete.
10								1.5		

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: 68-17-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 8 Mar 2022 **COMPLETED** 8 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Hand Auger
LATITUDE 34.049723211 **LONGITUDE** -117.601370183
DRILLING EQUIPMENT Hand Auger
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.6		Soil Sample 68-17-3-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							
5								5.9		Soil Sample 68-17-3-5.5 Hand auger to 10 feet below bottom of concrete.
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM							Soil sample depths collected with reference to bottom of concrete.
10								4.1		

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 68-17-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 7 Mar 2022 **COMPLETED** 7 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Hand Auger
LATITUDE 34.049660923 **LONGITUDE** -117.601370651
DRILLING EQUIPMENT Hand Auger
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt with 4" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines		SM					0.9		Hand auger to 3 feet below bottom of asphalt. Soil Sample 68-17-4-1 Soil sample depths collected with reference to bottom of asphalt.
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					0.6		Soil Sample 68-17-4-3
3	Total Depth = 3.0 feet. Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.

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Log of Soil Boring: 68-20-1

GSI Environmental Inc.
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Telephone: 949-679-1070

CLIENT Mr. William Winters
GSI JOB NUMBER 5925
DATE STARTED 3 Mar 2022 **COMPLETED** 3 Mar 2022
DRILLING CONTRACTOR Interphase Environmental, Inc.
DRILLING METHOD Direct Push with Dual Tube Coring System
DRILLING EQUIPMENT Geoprobe 6620DT
GROUND SURFACE 6" asphalt with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25

PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
PROJECT LOCATION Ontario Airport, Ontario, California
GROUND ELEVATION Ground Surface **DATUM** NA
TOP OF CASING ELEVATION NA **DATUM** NA
LATITUDE 34.049726748 **LONGITUDE** -117.601525816
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					1.2		Soil Sample 68-20-1-1 Hand auger to 5 feet below bottom of asphalt.
5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.9		Soil Sample 68-20-1-5.5
	~85% sand, ~10% fine gravel, ~5% fines									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								2.6		
	3-inch diameter gravel							1.3		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 68-20-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 7 Mar 2022 **COMPLETED** 7 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.049664012 **LONGITUDE** -117.601522734
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt with 4" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	SM	0.3	Soil Sample 68-20-2-1
				Hand auger to 5 feet below bottom of asphalt.
5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	SP	0.4	Soil Sample 68-20-2-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand and fine gravel	SM		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	SP		
10	~85% sand, ~10% fine gravel, ~5% fines		0.5	
	3-inch diameter gravel		0.5	
15				Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 68-20-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 7 Mar 2022 **COMPLETED** 7 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.049652485 **LONGITUDE** -117.601449277
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt with 4" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	SP	0.6	Soil Sample 68-20-3-1
				Hand auger to 5 feet below bottom of asphalt.
5			1.1	Soil Sample 68-20-3-5.5
				PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~70% fine to medium sand, ~30% low plasticity fines, trace coarse sand	SM		
10	Dark olive brown (2.5Y 3/3)		0.7	
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines			
	Light olive brown (2.5Y 5/4)		1.1	Soil sample depths collected with reference to bottom of asphalt.
15				

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 68-22-1-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 8 Mar 2022 **COMPLETED** 8 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.048722569 **LONGITUDE** -117.600436259
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace gravel		SM					1.4		Soil Sample 68-22-1-1-1 Hand auger to 5 feet below bottom of asphalt.
5								1.7		Soil Sample 68-22-1-1-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								2.8		
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM					3.0		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 68-22-1-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 8 Mar 2022 **COMPLETED** 8 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE 34.048690368 **LONGITUDE** -117.600399280
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.3		Soil Sample 68-22-1-2-1 Hand auger to 5 feet below bottom of asphalt.
5								2.4		Soil Sample 68-22-1-2-5.5
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								3.2		
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM					2.8		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 68-22-Shed1-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 8 Mar 2022 **COMPLETED** 8 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.2		Soil Sample 68-22-Shed1-1-1 Hand auger to 5 feet below bottom of asphalt.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							2.4		Soil Sample 68-22-Shed1-1-5.5
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10	Light olive brown (2.5Y 5/4), ~85% sand, ~10% fine to coarse gravel, ~5% fines							3.6		
	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~70% fine to medium sand, ~30% low plasticity fines		SM					2.4		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: 68-22-Shed1-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 10 Mar 2022 **COMPLETED** 10 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine to coarse gravel, trace roots		SM					0.6		Soil Sample 68-22-Shed1-2-1
	Roots absent									Hand auger to 5 feet below bottom of asphalt.
5	Light olive brown (2.5Y 5/4)							1.1		Soil Sample 68-22-Shed1-2-5.5
	2-inch diameter gravel									
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines		SP					2.4		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM					1.9		Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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Log of Soil Boring: SV-1

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 23 Mar 2022 **COMPLETED** 23 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.3		Soil Sample SV-1-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand and fine gravel							2.2		Soil Sample SV-1-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~80% fine to coarse sand, ~15% fine gravel, ~5% nonplastic fines ~60% sand, ~35% fine to coarse gravel, ~5% fines		SP					3.7		Soil sample depths collected with reference to bottom of asphalt.
15								3.6		Soil Sample SV-1-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

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GSI Environmental Inc.
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Telephone: 949-679-1070

Log of Soil Boring: SV-2

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 17 Mar 2022 **COMPLETED** 17 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.1		Soil Sample SV-2-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								2.2		Soil Sample SV-2-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP							
10								2.9		
										Soil sample depths collected with reference to bottom of asphalt.
15								3.7		Soil Sample SV-2-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

GSI Environmental Inc.
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Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: SV-3

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 24 Feb 2022 **COMPLETED** 24 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 10" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.4		Soil Sample SV-3-1 Hand auger to 4 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								2.1		Soil Sample SV-3-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM							Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
	3-inch diameter gravel									
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine gravel, ~5% nonplastic fines		SP					1.3		
10								0.9		Soil Sample SV-3-13
										Soil sample depths collected with reference to bottom of asphalt.
15										

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: SV-4

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 23 Mar 2022 **COMPLETED** 23 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	USCS	PID (ppm)	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	SM	1.9	Soil Sample SV-4-1
				Hand auger to 5 feet below bottom of asphalt.
				PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	~75% fine to medium sand, ~25% fines, trace coarse sand			
5			2.7	Soil Sample SV-4-5.5
	~85% sand, ~15% fines			Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~80% fine to coarse sand, ~15% fine to coarse gravel, ~5% nonplastic fines	SP		
10			2.2	
	~60% sand, ~35% gravel, ~5% fines			Soil sample depths collected with reference to bottom of asphalt.
			2.8	Soil Sample SV-4-14
15				

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: SV-5

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 17 Mar 2022 **COMPLETED** 17 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.4		Soil Sample SV-5-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					2.3		Soil Sample SV-5-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND WITH GRAVEL (SP): light yellowish brown (2.5Y 6/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP					4.7		Soil sample depths collected with reference to bottom of asphalt.
15								3.9		Soil Sample SV-5-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

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Log of Soil Boring: SV-6

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 23 Mar 2022 **COMPLETED** 23 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.7		Soil Sample SV-6-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							1.3		Soil Sample SV-6-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND WITH GRAVEL (SP): light yellowish brown (2.5Y 6/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP					1.7		Soil sample depths collected with reference to bottom of asphalt.
	SILTY SAND (SM): yellowish brown (10YR 5/4), moist, ~85% fine to medium sand, ~15% low plasticity fines, trace coarse sand		SM					1.8		Soil Sample SV-6-14
15										

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

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GSI Environmental Inc.
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Telephone: 949-679-1070

Log of Soil Boring: SV-7

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 23 Mar 2022 **COMPLETED** 23 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.1		Soil Sample SV-7-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand and fine gravel							3.9		Soil Sample SV-7-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~15% fine gravel, ~5% nonplastic fines		SP					3.0		
10	~60% sand, ~35% fine to coarse gravel, ~5% fines							3.2		Soil sample depths collected with reference to bottom of asphalt. Soil Sample SV-7-14
15										

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: SV-8

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 17 Mar 2022 **COMPLETED** 17 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.4		Soil Sample SV-8-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines, trace coarse gravel		SP					2.9		Soil Sample SV-8-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines		SM					4.7		
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							Soil sample depths collected with reference to bottom of asphalt.
15								3.7		Soil Sample SV-8-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

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Log of Soil Boring: SV-9

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 24 Feb 2022 **COMPLETED** 24 Feb 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.5		Soil Sample SV-9-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								1.7		Soil Sample SV-9-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM							Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines		SP					2.8		Soil sample depths collected with reference to bottom of asphalt.
15								2.7		Soil Sample SV-9-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: SV-11

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 3 Mar 2022 **COMPLETED** 3 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to medium sand, ~5% nonplastic fines, trace coarse sand, trace fine gravel		SP					1.9		Soil Sample SV-11-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								2.0		Soil Sample SV-11-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine gravel, ~5% nonplastic fines		SP							
15								2.1		Soil sample depths collected with reference to bottom of asphalt. Soil Sample SV-11-16.5

Total Depth = 17.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite from 17 feet to 15.5 feet before constructing the dual-nested soil vapor probes.

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Telephone: 949-679-1070

Log of Soil Boring: SV-12

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 3 Mar 2022 **COMPLETED** 3 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE soil **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					0.7		Soil Sample SV-12-1 Hand auger to 5 feet below ground surface. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								1.3		Soil Sample SV-12-5.5
	~85% sand, ~10% fine gravel, ~5% fines									Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~65% fine to coarse sand, ~30% fine to coarse gravel, ~5% nonplastic fines		SP					2.0		
	Light yellowish brown (2.5Y 6/3)									
15								2.3		Soil Sample SV-12-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: SV-13

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 3 Mar 2022 **COMPLETED** 3 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6620DT
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE soil **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand and fine gravel		SM					1.6		Soil Sample SV-13-1 Hand auger to 5 feet below ground surface. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								4.3		Soil Sample SV-13-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							
10	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM					3.3		
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP							
15								4.0		Soil Sample SV-13-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

GSI Environmental Inc.
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Telephone: 949-679-1070

Log of Soil Boring: SV-14

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 22 Mar 2022 **COMPLETED** 22 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.9		Soil Sample SV-14-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							1.3		Soil Sample SV-14-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10								1.5		Soil sample depths collected with reference to bottom of asphalt.
	POORLY GRADED SAND (SP): light yellowish brown (2.5Y 6/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP							
15								1.2		Soil Sample SV-14-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: SV-15

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 22 Mar 2022 **COMPLETED** 22 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.0		Soil Sample SV-15-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							1.7		Soil Sample SV-15-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
	~80% fine to coarse sand, ~15% fines, ~5% fine gravel									
	~75% fine to medium sand, ~25% fines, trace coarse sand									
10								2.7		Soil sample depths collected with reference to bottom of asphalt.
	~85% sand, ~15% fines									
15								1.7		Soil Sample SV-15-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Log of Soil Boring: SV-16

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 22 Mar 2022 **COMPLETED** 22 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
with 6" base below followed by 1' of asphalt
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM					4.3		Soil Sample SV-16-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								4.8		Soil Sample SV-16-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					3.8		
15	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP					3.1		Soil sample depths collected with reference to bottom of asphalt. Soil Sample SV-16-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 6/7/22 17:01 - C:\USERS\EFANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925_EFA.GPJ

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: SV-17

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 22 Mar 2022 **COMPLETED** 22 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.4		Soil Sample SV-17-1 Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							2.5		Soil Sample SV-17-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND (SP): light yellowish brown (2.5Y 6/3), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					3.8		Soil sample depths collected with reference to bottom of asphalt.
15								4.1		Soil Sample SV-17-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: SV-18

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 22 Mar 2022 **COMPLETED** 22 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 5" gravel **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.7		Soil Sample SV-18-1 Hand auger to 5 feet below bottom of gravel. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	~75% fine to medium sand, ~25% fines, trace coarse sand									
5								3.0		Soil Sample SV-18-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of gravel. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
	~85% sand, ~15% fines									
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					4.2		
10										
	~85% sand, ~10% fine to coarse gravel, ~5% fines									Soil sample depths collected with reference to bottom of gravel.
								5.9		Soil Sample SV-18-14
15										

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: SV-19

CLIENT Mr. William Winters
PROJECT NAME Proposed Cargo Distribution Center - ONT Airport
GSI JOB NUMBER 5925
PROJECT LOCATION Ontario Airport, Ontario, California
DATE STARTED 22 Mar 2022 **COMPLETED** 22 Mar 2022
GROUND ELEVATION Ground Surface **DATUM** NA
DRILLING CONTRACTOR Interphase Environmental, Inc.
TOP OF CASING ELEVATION NA **DATUM** NA
DRILLING METHOD Direct Push with Dual Tube Coring System
LATITUDE NA **LONGITUDE** NA
DRILLING EQUIPMENT Geoprobe 6600
LOGGED BY J. Voss, GIT **REVIEWED BY** J. Voss, GIT
GROUND SURFACE 4" gravel **BORING DIAMETER (in)** 3.25 / 2.25
APPROVED BY V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.7		Soil Sample SV-19-1 Hand auger to 5 feet below bottom of gravel. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5								1.6		Soil Sample SV-19-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of gravel. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	~75% fine to medium sand, ~25% fines POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					5.1		Soil sample depths collected with reference to bottom of gravel.
15								5.9		Soil Sample SV-19-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\EFANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925_EFA.GPJ

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

APPENDIX C

Soil Analytical Laboratory Reports

March 04, 2022

Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

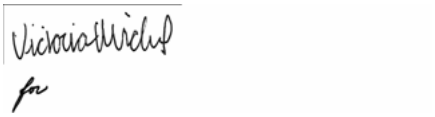
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200233
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on February 23, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,



Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 03/04/22 10:59 on Behalf of



Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number :	Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To :	Josh Voss
Irvine , CA 92612	Reported :	03/04/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61C-4-1-1	2200233-01	Soil	2/23/22 9:25	2/23/22 18:05
61C-4-1-5	2200233-02	Soil	2/23/22 9:55	2/23/22 18:05
61C-4-3-1	2200233-03	Soil	2/23/22 10:23	2/23/22 18:05
61C-4-3-5.5	2200233-04	Soil	2/23/22 10:35	2/23/22 18:05
61C-4-2-1.5	2200233-05	Soil	2/23/22 11:24	2/23/22 18:05
61C-4-2-5.5	2200233-06	Soil	2/23/22 11:35	2/23/22 18:05
61C-4-4-1	2200233-07	Soil	2/23/22 12:15	2/23/22 18:05
61C-4-4-5.5	2200233-08	Soil	2/23/22 12:28	2/23/22 18:05
61C-4-5-1	2200233-09	Soil	2/23/22 12:50	2/23/22 18:05
61C-4-5-5.5	2200233-10	Soil	2/23/22 13:00	2/23/22 18:05
61C-8-1-1	2200233-11	Soil	2/23/22 13:18	2/23/22 18:05
61C-8-1-5.5	2200233-12	Soil	2/23/22 13:44	2/23/22 18:05
61C-8-2-1	2200233-13	Soil	2/23/22 14:10	2/23/22 18:05
61C-8-2-5.5	2200233-14	Soil	2/23/22 14:30	2/23/22 18:05
TB-20220223	2200233-15	Water	2/23/22 14:47	2/23/22 18:05

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
B6	Associated method blank above PQL, analyte non-detected. Therefore, reanalysis is not necessary.
B	Analyte detected in the associated method blank above the PQL.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200233-01	61C-4-1-1	**ND**	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:08	
2200233-03	61C-4-3-1	**ND**	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:28	
2200233-05	61C-4-2-1.5	**ND**	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:31	
2200233-07	61C-4-4-1	**ND**	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:34	
2200233-09	61C-4-5-1	**ND**	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:37	
2200233-11	61C-8-1-1	**ND**	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:47	
2200233-13	61C-8-2-1	**ND**	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:50	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-1-1
Lab ID: 2200233-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Barium	**60**	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Beryllium	**2.3**	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Chromium	**46**	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Cobalt	**5.2**	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Copper	**9.9**	2.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Lead	**10**	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Nickel	**13**	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Silver	**4.5**	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Vanadium	**32**	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Zinc	**130**	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-1-5
Lab ID: 2200233-02

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.90	1	B2B1217	02/26/2022	02/26/22 01:15	
C4-C12	ND	0.90	1	B2B1217	02/26/2022	02/26/22 01:15	
C6-C12	ND	0.90	1	B2B1217	02/26/2022	02/26/22 01:15	
Surrogate: 4-Bromofluorobenzene	*95.2 %*	*47.6 - 121.18*		B2B1217	02/26/2022	*02/26/22 01:15*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 20:53	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 20:53	
Surrogate: p-Terphenyl	*114 %*	*62 - 141*		B2B1237	02/28/2022	*02/28/22 20:53*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,1,1-Trichloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,1,2-Trichloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,1-Dichloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,1-Dichloroethene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,1-Dichloropropene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2,3-Trichloropropane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2,3-Trichlorobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2,4-Trichlorobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2,4-Trimethylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2-Dibromo-3-chloropropane	ND	10	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2-Dibromoethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2-Dichlorobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2-Dichloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2-Dichloropropane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,3,5-Trimethylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,3-Dichlorobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,3-Dichloropropane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,4-Dichlorobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
2,2-Dichloropropane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
2-Chlorotoluene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
4-Chlorotoluene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
4-Isopropyltoluene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-1-5
Lab ID: 2200233-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Bromobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Bromochloromethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Bromodichloromethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Bromoform	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Bromomethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Carbon disulfide	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Carbon tetrachloride	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Chlorobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Chloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Chloroform	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Chloromethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
cis-1,2-Dichloroethene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
cis-1,3-Dichloropropene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Di-isopropyl ether	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Dibromochloromethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Dibromomethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Dichlorodifluoromethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Ethyl Acetate	ND	51	1	B2B1236	02/28/2022	02/28/22 20:20	
Ethyl Ether	ND	51	1	B2B1236	02/28/2022	02/28/22 20:20	
Ethyl tert-butyl ether	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Ethylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Freon-113	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Hexachlorobutadiene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Isopropylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
m,p-Xylene	ND	10	1	B2B1236	02/28/2022	02/28/22 20:20	
Methylene chloride	**12**	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
MTBE	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
n-Butylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
n-Propylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Naphthalene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
o-Xylene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
sec-Butylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Styrene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
tert-Amyl methyl ether	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
tert-Butanol	ND	100	1	B2B1236	02/28/2022	02/28/22 20:20	
tert-Butylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Tetrachloroethene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Toluene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
trans-1,2-Dichloroethene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
trans-1,3-Dichloropropene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-1-5
Lab ID: 2200233-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Trichlorofluoromethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Vinyl acetate	ND	51	1	B2B1236	02/28/2022	02/28/22 20:20	
Vinyl chloride	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Surrogate: 1,2-Dichloroethane-d4	*132 %*	*66 - 200*		B2B1236	02/28/2022	*02/28/22 20:20*	
Surrogate: 4-Bromofluorobenzene	*94.6 %*	*50 - 146*		B2B1236	02/28/2022	*02/28/22 20:20*	
Surrogate: Dibromofluoromethane	*118 %*	*77 - 159*		B2B1236	02/28/2022	*02/28/22 20:20*	
Surrogate: Toluene-d8	*98.3 %*	*81 - 128*		B2B1236	02/28/2022	*02/28/22 20:20*	

Client Sample ID: 61C-4-3-1
Lab ID: 2200233-03

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Barium	**95**	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Beryllium	**2.9**	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Chromium	**15**	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Cobalt	**5.4**	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Copper	**9.5**	2.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Lead	**2.5**	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Nickel	**6.4**	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Silver	**5.8**	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Vanadium	**34**	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Zinc	**36**	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-3-5.5
Lab ID: 2200233-04

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.81	1	B2B1217	02/26/2022	02/26/22 01:40	
C4-C12	ND	0.81	1	B2B1217	02/26/2022	02/26/22 01:40	
C6-C12	ND	0.81	1	B2B1217	02/26/2022	02/26/22 01:40	
Surrogate: 4-Bromofluorobenzene	*96.4 %*	*47.6 - 121.18*		B2B1217	02/26/2022	*02/26/22 01:40*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 21:13	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 21:13	
Surrogate: p-Terphenyl	*134 %*	*62 - 141*		B2B1237	02/28/2022	*02/28/22 21:13*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,1,1-Trichloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,1,2-Trichloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,1-Dichloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,1-Dichloroethene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,1-Dichloropropene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2,3-Trichloropropane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2,3-Trichlorobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2,4-Trichlorobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2,4-Trimethylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2-Dibromoethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2-Dichlorobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2-Dichloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2-Dichloropropane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,3,5-Trimethylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,3-Dichlorobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,3-Dichloropropane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,4-Dichlorobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
2,2-Dichloropropane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
2-Chlorotoluene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
4-Chlorotoluene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
4-Isopropyltoluene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-3-5.5
Lab ID: 2200233-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Bromobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Bromochloromethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Bromodichloromethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Bromoform	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Bromomethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Carbon disulfide	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Carbon tetrachloride	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Chlorobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Chloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Chloroform	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Chloromethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
cis-1,2-Dichloroethene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
cis-1,3-Dichloropropene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Di-isopropyl ether	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Dibromochloromethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Dibromomethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Dichlorodifluoromethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Ethyl Acetate	ND	44	1	B2B1214	02/25/2022	02/25/22 23:45	
Ethyl Ether	ND	44	1	B2B1214	02/25/2022	02/25/22 23:45	
Ethyl tert-butyl ether	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Ethylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Freon-113	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Hexachlorobutadiene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Isopropylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
m,p-Xylene	ND	8.8	1	B2B1214	02/25/2022	02/25/22 23:45	
Methylene chloride	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
MTBE	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
n-Butylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
n-Propylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Naphthalene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
o-Xylene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
sec-Butylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Styrene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
tert-Amyl methyl ether	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
tert-Butanol	ND	88	1	B2B1214	02/25/2022	02/25/22 23:45	
tert-Butylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Tetrachloroethene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Toluene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
trans-1,2-Dichloroethene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
trans-1,3-Dichloropropene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-3-5.5
Lab ID: 2200233-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Trichlorofluoromethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Vinyl acetate	ND	44	1	B2B1214	02/25/2022	02/25/22 23:45	
Vinyl chloride	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*66 - 200*		B2B1214	02/25/2022	*02/25/22 23:45*	
Surrogate: 4-Bromofluorobenzene	*99.8 %*	*50 - 146*		B2B1214	02/25/2022	*02/25/22 23:45*	
Surrogate: Dibromofluoromethane	*107 %*	*77 - 159*		B2B1214	02/25/2022	*02/25/22 23:45*	
Surrogate: Toluene-d8	*95.1 %*	*81 - 128*		B2B1214	02/25/2022	*02/25/22 23:45*	

Client Sample ID: 61C-4-2-1.5
Lab ID: 2200233-05

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Barium	**86**	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Beryllium	**2.5**	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Chromium	**13**	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Cobalt	**5.3**	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Copper	**8.3**	2.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Lead	**2.4**	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Nickel	**5.7**	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Silver	**5.0**	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Vanadium	**31**	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Zinc	**33**	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-2-5.5
Lab ID: 2200233-06

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.84	1	B2B1217	02/26/2022	02/26/22 02:04	
C4-C12	ND	0.84	1	B2B1217	02/26/2022	02/26/22 02:04	
C6-C12	ND	0.84	1	B2B1217	02/26/2022	02/26/22 02:04	
Surrogate: 4-Bromofluorobenzene	*101 %*	*47.6 - 121.18*		B2B1217	02/26/2022	*02/26/22 02:04*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 21:33	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 21:33	
Surrogate: p-Terphenyl	*117 %*	*62 - 141*		B2B1237	02/28/2022	*02/28/22 21:33*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: EL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,1,1-Trichloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,1,2-Trichloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,1-Dichloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,1-Dichloroethene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,1-Dichloropropene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2,3-Trichloropropane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2-Dibromoethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2-Dichlorobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2-Dichloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2-Dichloropropane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,3-Dichlorobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,3-Dichloropropane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,4-Dichlorobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
2,2-Dichloropropane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
2-Chlorotoluene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
4-Chlorotoluene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
4-Isopropyltoluene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-2-5.5
Lab ID: 2200233-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: EL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Bromobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Bromochloromethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Bromodichloromethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Bromoform	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Bromomethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Carbon disulfide	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Carbon tetrachloride	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Chlorobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Chloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Chloroform	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Chloromethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
cis-1,2-Dichloroethene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
cis-1,3-Dichloropropene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Di-isopropyl ether	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Dibromochloromethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Dibromomethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Dichlorodifluoromethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Ethyl Acetate	ND	44	1	B2C0873	03/01/2022	03/01/22 14:17	
Ethyl Ether	ND	44	1	B2C0873	03/01/2022	03/01/22 14:17	
Ethyl tert-butyl ether	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Ethylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Freon-113	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Hexachlorobutadiene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Isopropylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
m,p-Xylene	ND	8.8	1	B2C0873	03/01/2022	03/01/22 14:17	
Methylene chloride	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
MTBE	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
n-Butylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
n-Propylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Naphthalene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
o-Xylene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
sec-Butylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Styrene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
tert-Amyl methyl ether	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
tert-Butanol	ND	88	1	B2C0873	03/01/2022	03/01/22 14:17	
tert-Butylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Tetrachloroethene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Toluene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
trans-1,2-Dichloroethene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
trans-1,3-Dichloropropene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-2-5.5
Lab ID: 2200233-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: EL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Trichlorofluoromethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Vinyl acetate	ND	44	1	B2C0873	03/01/2022	03/01/22 14:17	
Vinyl chloride	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Surrogate: 1,2-Dichloroethane-d4	*125 %*	*66 - 200*		B2C0873	03/01/2022	*03/01/22 14:17*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C0873	03/01/2022	*03/01/22 14:17*	
Surrogate: Dibromofluoromethane	*112 %*	*77 - 159*		B2C0873	03/01/2022	*03/01/22 14:17*	
Surrogate: Toluene-d8	*96.7 %*	*81 - 128*		B2C0873	03/01/2022	*03/01/22 14:17*	

Client Sample ID: 61C-4-4-1
Lab ID: 2200233-07

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Barium	**110**	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Beryllium	**3.0**	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Chromium	**16**	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Cobalt	**6.2**	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Copper	**11**	2.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Lead	**2.8**	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Nickel	**7.2**	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Silver	**5.9**	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Vanadium	**36**	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Zinc	**41**	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-4-5.5
Lab ID: 2200233-08

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.85	1	B2B1217	02/26/2022	02/26/22 02:28	
C4-C12	ND	0.85	1	B2B1217	02/26/2022	02/26/22 02:28	
C6-C12	ND	0.85	1	B2B1217	02/26/2022	02/26/22 02:28	
Surrogate: 4-Bromofluorobenzene	*99.4 %*	*47.6 - 121.18*		B2B1217	02/26/2022	*02/26/22 02:28*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 21:54	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 21:54	
Surrogate: p-Terphenyl	*110 %*	*62 - 141*		B2B1237	02/28/2022	*02/28/22 21:54*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,1,1-Trichloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,1,2-Trichloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,1-Dichloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,1-Dichloroethene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,1-Dichloropropene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2,3-Trichloropropane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2,3-Trichlorobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2,4-Trichlorobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2,4-Trimethylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2-Dibromo-3-chloropropane	ND	7.8	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2-Dibromoethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2-Dichlorobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2-Dichloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2-Dichloropropane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,3,5-Trimethylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,3-Dichlorobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,3-Dichloropropane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,4-Dichlorobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
2,2-Dichloropropane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
2-Chlorotoluene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
4-Chlorotoluene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
4-Isopropyltoluene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-4-5.5
Lab ID: 2200233-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Bromobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Bromochloromethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Bromodichloromethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Bromoform	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Bromomethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Carbon disulfide	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Carbon tetrachloride	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Chlorobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Chloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Chloroform	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Chloromethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
cis-1,2-Dichloroethene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
cis-1,3-Dichloropropene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Di-isopropyl ether	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Dibromochloromethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Dibromomethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Dichlorodifluoromethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Ethyl Acetate	ND	39	1	B2B1236	02/28/2022	02/28/22 18:36	
Ethyl Ether	ND	39	1	B2B1236	02/28/2022	02/28/22 18:36	
Ethyl tert-butyl ether	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Ethylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Freon-113	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Hexachlorobutadiene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Isopropylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
m,p-Xylene	ND	7.8	1	B2B1236	02/28/2022	02/28/22 18:36	
Methylene chloride	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
MTBE	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
n-Butylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
n-Propylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Naphthalene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
o-Xylene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
sec-Butylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Styrene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
tert-Amyl methyl ether	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
tert-Butanol	ND	78	1	B2B1236	02/28/2022	02/28/22 18:36	
tert-Butylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Tetrachloroethene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Toluene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
trans-1,2-Dichloroethene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
trans-1,3-Dichloropropene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-4-5.5
Lab ID: 2200233-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Trichlorofluoromethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Vinyl acetate	ND	39	1	B2B1236	02/28/2022	02/28/22 18:36	
Vinyl chloride	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Surrogate: 1,2-Dichloroethane-d4	*119 %*	*66 - 200*		B2B1236	02/28/2022	*02/28/22 18:36*	
Surrogate: 4-Bromofluorobenzene	*94.5 %*	*50 - 146*		B2B1236	02/28/2022	*02/28/22 18:36*	
Surrogate: Dibromofluoromethane	*109 %*	*77 - 159*		B2B1236	02/28/2022	*02/28/22 18:36*	
Surrogate: Toluene-d8	*95.9 %*	*81 - 128*		B2B1236	02/28/2022	*02/28/22 18:36*	

Client Sample ID: 61C-4-5-1
Lab ID: 2200233-09

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Barium	**98**	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Beryllium	**3.0**	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Chromium	**16**	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Cobalt	**7.3**	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Copper	**12**	2.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Lead	**2.8**	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Nickel	**7.3**	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Silver	**5.8**	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Vanadium	**35**	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Zinc	**46**	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-5-5.5
Lab ID: 2200233-10

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.76	1	B2B1217	02/26/2022	02/26/22 02:53	
C4-C12	ND	0.76	1	B2B1217	02/26/2022	02/26/22 02:53	
C6-C12	ND	0.76	1	B2B1217	02/26/2022	02/26/22 02:53	
Surrogate: 4-Bromofluorobenzene	*101 %*	*47.6 - 121.18*		B2B1217	02/26/2022	*02/26/22 02:53*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 22:14	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 22:14	
Surrogate: p-Terphenyl	*127 %*	*62 - 141*		B2B1237	02/28/2022	*02/28/22 22:14*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,1,1-Trichloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,1,2-Trichloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,1-Dichloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,1-Dichloroethene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,1-Dichloropropene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2,3-Trichloropropane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2,3-Trichlorobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2,4-Trichlorobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2,4-Trimethylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2-Dibromoethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2-Dichlorobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2-Dichloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2-Dichloropropane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,3,5-Trimethylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,3-Dichlorobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,3-Dichloropropane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,4-Dichlorobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
2,2-Dichloropropane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
2-Chlorotoluene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
4-Chlorotoluene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
4-Isopropyltoluene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-5-5.5

Lab ID: 2200233-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Bromobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Bromochloromethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Bromodichloromethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Bromoform	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Bromomethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Carbon disulfide	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Carbon tetrachloride	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Chlorobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Chloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Chloroform	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Chloromethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
cis-1,2-Dichloroethene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
cis-1,3-Dichloropropene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Di-isopropyl ether	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Dibromochloromethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Dibromomethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Dichlorodifluoromethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Ethyl Acetate	ND	37	1	B2B1236	02/28/2022	02/28/22 19:02	
Ethyl Ether	ND	37	1	B2B1236	02/28/2022	02/28/22 19:02	
Ethyl tert-butyl ether	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Ethylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Freon-113	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Hexachlorobutadiene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Isopropylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
m,p-Xylene	ND	7.3	1	B2B1236	02/28/2022	02/28/22 19:02	
Methylene chloride	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
MTBE	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
n-Butylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
n-Propylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Naphthalene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
o-Xylene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
sec-Butylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Styrene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
tert-Amyl methyl ether	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
tert-Butanol	ND	73	1	B2B1236	02/28/2022	02/28/22 19:02	
tert-Butylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Tetrachloroethene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Toluene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
trans-1,2-Dichloroethene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
trans-1,3-Dichloropropene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-4-5-5.5
Lab ID: 2200233-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Trichlorofluoromethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Vinyl acetate	ND	37	1	B2B1236	02/28/2022	02/28/22 19:02	
Vinyl chloride	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Surrogate: 1,2-Dichloroethane-d4	*126 %*	*66 - 200*		B2B1236	02/28/2022	*02/28/22 19:02*	
Surrogate: 4-Bromofluorobenzene	*97.3 %*	*50 - 146*		B2B1236	02/28/2022	*02/28/22 19:02*	
Surrogate: Dibromofluoromethane	*112 %*	*77 - 159*		B2B1236	02/28/2022	*02/28/22 19:02*	
Surrogate: Toluene-d8	*98.9 %*	*81 - 128*		B2B1236	02/28/2022	*02/28/22 19:02*	

Client Sample ID: 61C-8-1-1
Lab ID: 2200233-11

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Barium	**86**	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Beryllium	**2.5**	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Chromium	**16**	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Cobalt	**5.2**	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Copper	**10**	2.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Lead	**3.1**	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Nickel	**6.1**	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Silver	**5.1**	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Vanadium	**31**	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Zinc	**52**	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-8-1-5.5
Lab ID: 2200233-12

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.84	1	B2B1217	02/26/2022	02/26/22 03:17	
C4-C12	ND	0.84	1	B2B1217	02/26/2022	02/26/22 03:17	
C6-C12	ND	0.84	1	B2B1217	02/26/2022	02/26/22 03:17	
Surrogate: 4-Bromofluorobenzene	*97.6 %*	*47.6 - 121.18*		B2B1217	02/26/2022	*02/26/22 03:17*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 22:36	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 22:36	
Surrogate: p-Terphenyl	*123 %*	*62 - 141*		B2B1237	02/28/2022	*02/28/22 22:36*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,1,1-Trichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,1,2-Trichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,1-Dichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,1-Dichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,1-Dichloropropene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2,3-Trichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2,3-Trichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2,4-Trichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2,4-Trimethylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2-Dibromoethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2-Dichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2-Dichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2-Dichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,3,5-Trimethylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,3-Dichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,3-Dichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,4-Dichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
2,2-Dichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
2-Chlorotoluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
4-Chlorotoluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
4-Isopropyltoluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-8-1-5.5
Lab ID: 2200233-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Bromobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Bromochloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Bromodichloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Bromoform	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Bromomethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Carbon disulfide	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Carbon tetrachloride	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Chlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Chloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Chloroform	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Chloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
cis-1,2-Dichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
cis-1,3-Dichloropropene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Di-isopropyl ether	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Dibromochloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Dibromomethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Dichlorodifluoromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Ethyl Acetate	ND	42	1	B2B1236	02/28/2022	02/28/22 19:28	
Ethyl Ether	ND	42	1	B2B1236	02/28/2022	02/28/22 19:28	
Ethyl tert-butyl ether	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Ethylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Freon-113	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Hexachlorobutadiene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Isopropylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
m,p-Xylene	ND	8.4	1	B2B1236	02/28/2022	02/28/22 19:28	
Methylene chloride	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
MTBE	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
n-Butylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
n-Propylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Naphthalene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
o-Xylene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
sec-Butylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Styrene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
tert-Amyl methyl ether	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
tert-Butanol	ND	84	1	B2B1236	02/28/2022	02/28/22 19:28	
tert-Butylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Tetrachloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Toluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
trans-1,2-Dichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
trans-1,3-Dichloropropene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-8-1-5.5
Lab ID: 2200233-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Trichlorofluoromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Vinyl acetate	ND	42	1	B2B1236	02/28/2022	02/28/22 19:28	
Vinyl chloride	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Surrogate: 1,2-Dichloroethane-d4	*118 %*	*66 - 200*		B2B1236	02/28/2022	*02/28/22 19:28*	
Surrogate: 4-Bromofluorobenzene	*95.5 %*	*50 - 146*		B2B1236	02/28/2022	*02/28/22 19:28*	
Surrogate: Dibromofluoromethane	*116 %*	*77 - 159*		B2B1236	02/28/2022	*02/28/22 19:28*	
Surrogate: Toluene-d8	*96.2 %*	*81 - 128*		B2B1236	02/28/2022	*02/28/22 19:28*	

Semivolatile Organic Compounds by EPA 8270/SIM

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Acenaphthene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Acenaphthylene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Anthracene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Benzo(a)anthracene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Benzo(a)pyrene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Benzo(b)fluoranthene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Benzo(g,h,i)perylene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Benzo(k)fluoranthene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Chrysene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Dibenz(a,h)anthracene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Fluoranthene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Fluorene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Indeno(1,2,3-cd)pyrene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Naphthalene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Phenanthrene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Pyrene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Surrogate: 1,2-Dichlorobenzene-d4	*81.0 %*	*12 - 125*		B2B1228	02/28/2022	*03/02/22 13:53*	
Surrogate: 2-Fluorobiphenyl	*85.8 %*	*14 - 139*		B2B1228	02/28/2022	*03/02/22 13:53*	
Surrogate: Nitrobenzene-d5	*50.8 %*	*8 - 155*		B2B1228	02/28/2022	*03/02/22 13:53*	
Surrogate: 4-Terphenyl-d14	*111 %*	*16 - 152*		B2B1228	02/28/2022	*03/02/22 13:53*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-8-2-1

Lab ID: 2200233-13

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Barium	**91**	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Beryllium	**2.8**	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Chromium	**23**	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Cobalt	**5.5**	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Copper	**9.4**	2.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Lead	**3.3**	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Nickel	**6.5**	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Silver	**5.6**	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Vanadium	**33**	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Zinc	**37**	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-8-2-5.5
Lab ID: 2200233-14

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.84	1	B2B1217	02/26/2022	02/26/22 03:41	
C4-C12	ND	0.84	1	B2B1217	02/26/2022	02/26/22 03:41	
C6-C12	ND	0.84	1	B2B1217	02/26/2022	02/26/22 03:41	
Surrogate: 4-Bromofluorobenzene	*99.4 %*	*47.6 - 121.18*		B2B1217	02/26/2022	*02/26/22 03:41*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 22:56	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 22:56	
Surrogate: p-Terphenyl	*128 %*	*62 - 141*		B2B1237	02/28/2022	*02/28/22 22:56*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,1,1-Trichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,1,2-Trichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,1-Dichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,1-Dichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,1-Dichloropropene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2,3-Trichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2,3-Trichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2,4-Trichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2,4-Trimethylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2-Dibromoethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2-Dichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2-Dichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2-Dichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,3,5-Trimethylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,3-Dichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,3-Dichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,4-Dichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
2,2-Dichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
2-Chlorotoluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
4-Chlorotoluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
4-Isopropyltoluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-8-2-5.5
Lab ID: 2200233-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Bromobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Bromochloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Bromodichloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Bromoform	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Bromomethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Carbon disulfide	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Carbon tetrachloride	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Chlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Chloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Chloroform	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Chloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
cis-1,2-Dichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
cis-1,3-Dichloropropene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Di-isopropyl ether	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Dibromochloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Dibromomethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Dichlorodifluoromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Ethyl Acetate	ND	42	1	B2B1236	02/28/2022	02/28/22 19:54	
Ethyl Ether	ND	42	1	B2B1236	02/28/2022	02/28/22 19:54	
Ethyl tert-butyl ether	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Ethylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Freon-113	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Hexachlorobutadiene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Isopropylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
m,p-Xylene	ND	8.4	1	B2B1236	02/28/2022	02/28/22 19:54	
Methylene chloride	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
MTBE	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
n-Butylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
n-Propylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Naphthalene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
o-Xylene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
sec-Butylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Styrene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
tert-Amyl methyl ether	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
tert-Butanol	ND	84	1	B2B1236	02/28/2022	02/28/22 19:54	
tert-Butylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Tetrachloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Toluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
trans-1,2-Dichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
trans-1,3-Dichloropropene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: 61C-8-2-5.5
Lab ID: 2200233-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Trichlorofluoromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Vinyl acetate	ND	42	1	B2B1236	02/28/2022	02/28/22 19:54	
Vinyl chloride	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Surrogate: 1,2-Dichloroethane-d4	*126 %*	*66 - 200*		B2B1236	02/28/2022	*02/28/22 19:54*	
Surrogate: 4-Bromofluorobenzene	*93.6 %*	*50 - 146*		B2B1236	02/28/2022	*02/28/22 19:54*	
Surrogate: Dibromofluoromethane	*112 %*	*77 - 159*		B2B1236	02/28/2022	*02/28/22 19:54*	
Surrogate: Toluene-d8	*98.3 %*	*81 - 128*		B2B1236	02/28/2022	*02/28/22 19:54*	

Semivolatile Organic Compounds by EPA 8270/SIM

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Acenaphthene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Acenaphthylene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Anthracene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Benzo(a)anthracene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Benzo(a)pyrene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Benzo(b)fluoranthene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Benzo(g,h,i)perylene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Benzo(k)fluoranthene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Chrysene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Dibenz(a,h)anthracene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Fluoranthene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Fluorene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Indeno(1,2,3-cd)pyrene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Naphthalene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Phenanthrene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Pyrene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Surrogate: 1,2-Dichlorobenzene-d4	*80.2 %*	*12 - 125*		B2B1228	02/28/2022	*03/02/22 14:19*	
Surrogate: 2-Fluorobiphenyl	*86.0 %*	*14 - 139*		B2B1228	02/28/2022	*03/02/22 14:19*	
Surrogate: Nitrobenzene-d5	*51.3 %*	*8 - 155*		B2B1228	02/28/2022	*03/02/22 14:19*	
Surrogate: 4-Terphenyl-d14	*120 %*	*16 - 152*		B2B1228	02/28/2022	*03/02/22 14:19*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: TB-20220223
Lab ID: 2200233-15

Volatile Organic Compounds by EPA 8260B **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,1,1-Trichloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,1,2-Trichloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,1-Dichloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,1-Dichloroethene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,1-Dichloropropene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2,3-Trichloropropane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2,3-Trichlorobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2,4-Trichlorobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2,4-Trimethylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2-Dibromo-3-chloropropane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2-Dibromoethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2-Dichlorobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2-Dichloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2-Dichloropropane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,3,5-Trimethylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,3-Dichlorobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,3-Dichloropropane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,4-Dichlorobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
2,2-Dichloropropane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
2-Chlorotoluene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
4-Chlorotoluene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
4-Isopropyltoluene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Benzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Bromobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Bromochloromethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Bromodichloromethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Bromoform	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Bromomethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Carbon disulfide	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Carbon tetrachloride	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Chlorobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Chloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Chloroform	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Chloromethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
cis-1,2-Dichloroethene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
cis-1,3-Dichloropropene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Di-isopropyl ether	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Dibromochloromethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Dibromomethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Client Sample ID: TB-20220223
Lab ID: 2200233-15

Volatile Organic Compounds by EPA 8260B **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Ethyl Acetate	ND	50	1	B2B1199	02/25/2022	02/25/22 19:05	
Ethyl Ether	ND	50	1	B2B1199	02/25/2022	02/25/22 19:05	
Ethyl tert-butyl ether	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Ethylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Freon-113	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Hexachlorobutadiene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Isopropylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
m,p-Xylene	ND	10	1	B2B1199	02/25/2022	02/25/22 19:05	
Methylene chloride	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
MTBE	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
n-Butylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
n-Propylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Naphthalene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
o-Xylene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
sec-Butylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Styrene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
tert-Amyl methyl ether	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
tert-Butanol	ND	100	1	B2B1199	02/25/2022	02/25/22 19:05	
tert-Butylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Tetrachloroethene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Toluene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
trans-1,2-Dichloroethene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
trans-1,3-Dichloropropene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Trichloroethene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Trichlorofluoromethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Vinyl acetate	ND	50	1	B2B1199	02/25/2022	02/25/22 19:05	
Vinyl chloride	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Surrogate: 1,2-Dichloroethane-d4	*92.9 %*	*64 - 155*		B2B1199	02/25/2022	*02/25/22 19:05*	
Surrogate: 4-Bromofluorobenzene	*95.0 %*	*73 - 124*		B2B1199	02/25/2022	*02/25/22 19:05*	
Surrogate: Dibromofluoromethane	*103 %*	*78 - 129*		B2B1199	02/25/2022	*02/25/22 19:05*	
Surrogate: Toluene-d8	*92.5 %*	*84 - 117*		B2B1199	02/25/2022	*02/25/22 19:05*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1224 - EPA 3050B_S										
Blank (B2B1224-BLK1)						Prepared: 2/28/2022 Analyzed: 2/28/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2B1224-BS1)						Prepared: 2/28/2022 Analyzed: 2/28/2022				
Antimony	24.1222	2.0	0.51	25.0000		96.5	80 - 120			
Arsenic	24.0591	1.0	0.12	25.0000		96.2	80 - 120			
Barium	23.5493	1.0	0.12	25.0000		94.2	80 - 120			
Beryllium	25.9176	1.0	0.03	25.0100		104	80 - 120			
Cadmium	24.6342	1.0	0.14	25.0000		98.5	80 - 120			
Chromium	24.9622	1.0	0.26	25.0000		99.8	80 - 120			
Cobalt	26.6536	1.0	0.07	25.0000		107	80 - 120			
Copper	24.6659	2.0	0.19	25.0000		98.7	80 - 120			
Lead	24.7184	1.0	0.18	25.0000		98.9	80 - 120			
Molybdenum	25.1166	1.0	0.12	25.0000		100	80 - 120			
Nickel	24.7495	1.0	0.18	25.0000		99.0	80 - 120			
Selenium	25.0574	1.0	0.40	25.0000		100	80 - 120			
Silver	11.9756	1.0	0.12	12.5000		95.8	80 - 120			
Thallium	24.6515	1.0	0.38	25.0000		98.6	80 - 120			
Vanadium	24.9384	1.0	0.06	25.0000		99.8	80 - 120			
Zinc	24.0738	1.0	0.15	25.0000		96.3	80 - 120			
Matrix Spike (B2B1224-MS1)			**Source: 2200233-01**			Prepared: 2/28/2022 Analyzed: 2/28/2022				
Antimony	12.8042	2.0	0.51	25.0000	1.19489	46.4	0 - 102			
Arsenic	23.2573	1.0	0.12	25.0000	0.880613	89.5	55 - 117			
Barium	88.0424	1.0	0.12	25.0000	59.6908	113	11 - 177			
Beryllium	25.7654	1.0	0.03	25.0100	2.28846	93.9	64 - 115			
Cadmium	23.3368	1.0	0.14	25.0000	0.972670	89.5	62 - 116			
Chromium	77.4946	1.0	0.26	25.0000	45.7376	127	42 - 145			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1224 - EPA 3050B_S (continued)										
Matrix Spike (B2B1224-MS1) - Continued			**Source: 2200233-01**				Prepared: 2/28/2022 Analyzed: 2/28/2022			
Cobalt	29.7814	1.0	0.07	25.0000	5.20490	98.3	60 - 126			
Copper	36.9168	2.0	0.19	25.0000	9.92710	108	37 - 163			
Lead	36.4832	1.0	0.18	25.0000	10.2236	105	26 - 161			
Molybdenum	23.1141	1.0	0.12	25.0000	0.307556	91.2	31 - 122			
Nickel	37.7556	1.0	0.18	25.0000	13.3372	97.7	52 - 130			
Selenium	19.9492	1.0	0.40	25.0000	ND	79.8	25 - 129			
Silver	14.5975	1.0	0.12	12.5000	4.54949	80.4	48 - 133			
Thallium	14.4271	1.0	0.38	25.0000	ND	57.7	25 - 119			
Vanadium	57.7162	1.0	0.06	25.0000	31.9594	103	51 - 141			
Zinc	160.505	1.0	0.15	25.0000	130.701	119	8 - 170			
Matrix Spike Dup (B2B1224-MSD1)			**Source: 2200233-01**				Prepared: 2/28/2022 Analyzed: 2/28/2022			
Antimony	11.9806	2.0	0.51	25.0000	1.19489	43.1	0 - 102	6.65	20	
Arsenic	23.0845	1.0	0.12	25.0000	0.880613	88.8	55 - 117	0.746	20	
Barium	88.1891	1.0	0.12	25.0000	59.6908	114	11 - 177	0.166	20	
Beryllium	25.9266	1.0	0.03	25.0100	2.28846	94.5	64 - 115	0.624	20	
Cadmium	23.6230	1.0	0.14	25.0000	0.972670	90.6	62 - 116	1.22	20	
Chromium	77.4694	1.0	0.26	25.0000	45.7376	127	42 - 145	0.0325	20	
Cobalt	30.0406	1.0	0.07	25.0000	5.20490	99.3	60 - 126	0.867	20	
Copper	36.4208	2.0	0.19	25.0000	9.92710	106	37 - 163	1.35	20	
Lead	36.3395	1.0	0.18	25.0000	10.2236	104	26 - 161	0.395	20	
Molybdenum	23.5853	1.0	0.12	25.0000	0.307556	93.1	31 - 122	2.02	20	
Nickel	37.9858	1.0	0.18	25.0000	13.3372	98.6	52 - 130	0.608	20	
Selenium	19.6398	1.0	0.40	25.0000	ND	78.6	25 - 129	1.56	20	
Silver	14.7950	1.0	0.12	12.5000	4.54949	82.0	48 - 133	1.34	20	
Thallium	14.6495	1.0	0.38	25.0000	ND	58.6	25 - 119	1.53	20	
Vanadium	57.9356	1.0	0.06	25.0000	31.9594	104	51 - 141	0.379	20	
Zinc	161.455	1.0	0.15	25.0000	130.701	123	8 - 170	0.590	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1212 - EPA 7471_S										
Blank (B2B1212-BLK1)						Prepared: 2/25/2022 Analyzed: 2/28/2022				
Mercury	ND	0.10	0.01							
LCS (B2B1212-BS1)						Prepared: 2/25/2022 Analyzed: 2/28/2022				
Mercury	0.412657	0.10	0.01	0.416667		99.0	80 - 120			
Matrix Spike (B2B1212-MS1)			**Source: 2200233-01**			Prepared: 2/25/2022 Analyzed: 2/28/2022				
Mercury	0.461805	0.10	0.01	0.416667	0.025093	105	70 - 130			
Matrix Spike Dup (B2B1212-MSD1)			**Source: 2200233-01**			Prepared: 2/25/2022 Analyzed: 2/28/2022				
Mercury	0.462295	0.10	0.01	0.416667	0.025093	105	70 - 130	0.106	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1212 - EPA 7471_S									
Post Spike (B2B1212-PS1)			**Source: 2200233-01**		Prepared: 2/25/2022 Analyzed: 2/28/2022				
Mercury	0.005515		5.00000E-3	0.000301	104	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1217 - GCVOA_S										
Blank (B2B1217-BLK1)						Prepared: 2/26/2022 Analyzed: 2/26/2022				
Gasoline Range Organics	ND	1.0	0.13							
C4-C12	ND	1.0	0.13							
C6-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6743*			*0.800000*		*84.3*	*47.6 - 121.18*			
LCS (B2B1217-BS1)						Prepared: 2/25/2022 Analyzed: 2/25/2022				
Gasoline Range Organics	4.23300	1.0	0.13	5.00000		84.7	58.69 - 124.04			
C4-C12	4.23900	1.0	0.13	5.00000		84.8	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.7078*			*0.800000*		*88.5*	*47.6 - 121.18*			
LCS Dup (B2B1217-BSD1)						Prepared: 2/26/2022 Analyzed: 2/26/2022				
Gasoline Range Organics	4.78200	1.0	0.13	5.00000		95.6	58.69 - 124.04	12.2	20	
C4-C12	4.79500	1.0	0.13	5.00000		95.9	70 - 130	12.3	20	
Surrogate: 4-Bromofluorobenzene	*0.7186*			*0.800000*		*89.8*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1237 - GCSEMI_DRO_S										
Blank (B2B1237-BLK1)						Prepared: 2/28/2022 Analyzed: 2/28/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*84.87*			*80.0000*		*106*	*62 - 141*			
LCS (B2B1237-BS1)						Prepared: 2/28/2022 Analyzed: 2/28/2022				
DRO	989.502	10	3.6	1000.00		99.0	56 - 139			
Surrogate: p-Terphenyl	*88.69*			*80.0000*		*111*	*62 - 141*			
Matrix Spike (B2B1237-MS1)			**Source: 2200233-02**			Prepared: 2/28/2022 Analyzed: 2/28/2022				
DRO	972.051	10	3.6	1000.00	9.93200	96.2	38 - 161			
Surrogate: p-Terphenyl	*91.67*			*80.0000*		*115*	*62 - 141*			
Matrix Spike Dup (B2B1237-MSD1)			**Source: 2200233-02**			Prepared: 2/28/2022 Analyzed: 2/28/2022				
DRO	1023.49	10	3.6	1000.00	9.93200	101	38 - 161	5.16	20	
Surrogate: p-Terphenyl	*94.62*			*80.0000*		*118*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1199 - MSVOA_W										
Blank (B2B1199-BLK1)							Prepared: 2/25/2022 Analyzed: 2/25/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.11							
1,1,1-Trichloroethane	ND	5.0	0.21							
1,1,2,2-Tetrachloroethane	ND	5.0	0.36							
1,1,2-Trichloroethane	ND	5.0	0.25							
1,1-Dichloroethane	ND	5.0	0.09							
1,1-Dichloroethene	ND	5.0	0.13							
1,1-Dichloropropene	ND	5.0	0.13							
1,2,3-Trichloropropane	ND	5.0	0.39							
1,2,3-Trichlorobenzene	ND	5.0	0.18							
1,2,4-Trichlorobenzene	ND	5.0	0.16							
1,2,4-Trimethylbenzene	ND	5.0	0.14							
1,2-Dibromo-3-chloropropane	ND	5.0	0.41							
1,2-Dibromoethane	ND	5.0	0.24							
1,2-Dichlorobenzene	ND	5.0	0.20							
1,2-Dichloroethane	ND	5.0	0.20							
1,2-Dichloropropane	ND	5.0	0.15							
1,3,5-Trimethylbenzene	ND	5.0	0.13							
1,3-Dichlorobenzene	ND	5.0	0.16							
1,3-Dichloropropane	ND	5.0	0.21							
1,4-Dichlorobenzene	ND	5.0	0.17							
2,2-Dichloropropane	ND	5.0	0.38							
2-Chlorotoluene	ND	5.0	0.11							
4-Chlorotoluene	ND	5.0	0.12							
4-Isopropyltoluene	ND	5.0	0.11							
Benzene	ND	5.0	0.13							
Bromobenzene	ND	5.0	0.21							
Bromochloromethane	ND	5.0	0.16							
Bromodichloromethane	ND	5.0	0.14							
Bromoform	ND	5.0	0.20							
Bromomethane	ND	5.0	0.40							
Carbon disulfide	ND	5.0	0.07							
Carbon tetrachloride	ND	5.0	0.09							
Chlorobenzene	ND	5.0	0.13							
Chloroethane	ND	5.0	0.15							
Chloroform	ND	5.0	0.11							
Chloromethane	ND	5.0	0.12							
cis-1,2-Dichloroethene	ND	5.0	0.14							
cis-1,3-Dichloropropene	ND	5.0	0.13							
Di-isopropyl ether	ND	5.0	0.15							
Dibromochloromethane	ND	5.0	0.16							
Dibromomethane	ND	5.0	0.19							
Dichlorodifluoromethane	ND	5.0	0.18							
Ethyl Acetate	ND	50	8.7							
Ethyl Ether	ND	50	2.0							
Ethyl tert-butyl ether	ND	5.0	0.21							

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1199 - MSVOA_W (continued)										
Blank (B2B1199-BLK1) - Continued						Prepared: 2/25/2022 Analyzed: 2/25/2022				
Ethylbenzene	ND	5.0	0.13							
Freon-113	ND	5.0	0.13							
Hexachlorobutadiene	ND	5.0	0.15							
Isopropylbenzene	ND	5.0	0.10							
m,p-Xylene	ND	10	0.19							
Methylene chloride	ND	5.0	0.71							
MTBE	ND	5.0	0.26							
n-Butylbenzene	ND	5.0	0.11							
n-Propylbenzene	ND	5.0	0.10							
Naphthalene	ND	5.0	0.41							
o-Xylene	ND	5.0	0.13							
sec-Butylbenzene	ND	5.0	0.09							
Styrene	ND	5.0	0.13							
tert-Amyl methyl ether	ND	5.0	0.41							
tert-Butanol	ND	100	2.4							
tert-Butylbenzene	ND	5.0	0.09							
Tetrachloroethene	ND	5.0	0.10							
Toluene	ND	5.0	0.12							
trans-1,2-Dichloroethene	ND	5.0	0.09							
trans-1,3-Dichloropropene	ND	5.0	0.23							
Trichloroethene	ND	5.0	0.10							
Trichlorofluoromethane	ND	5.0	0.23							
Vinyl acetate	ND	50	1.7							
Vinyl chloride	ND	5.0	0.13							
Surrogate: 1,2-Dichloroethane-d4	*24.04*			*25.0000*		*96.2*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*24.13*			*25.0000*		*96.5*	*73 - 124*			
Surrogate: Dibromofluoromethane	*25.87*			*25.0000*		*103*	*78 - 129*			
Surrogate: Toluene-d8	*23.13*			*25.0000*		*92.5*	*84 - 117*			
LCS (B2B1199-BS1)						Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,1,1,2-Tetrachloroethane	18.3100	5.0	0.11	20.0000		91.6	79 - 116			
1,1,1-Trichloroethane	17.3400	5.0	0.21	20.0000		86.7	73 - 130			
1,1,2,2-Tetrachloroethane	21.5300	5.0	0.36	20.0000		108	71 - 122			
1,1,2-Trichloroethane	18.4400	5.0	0.25	20.0000		92.2	70 - 124			
1,1-Dichloroethane	18.4500	5.0	0.09	20.0000		92.2	69 - 128			
1,1-Dichloroethene	14.8400	5.0	0.13	20.0000		74.2	65 - 137			
1,1-Dichloropropene	19.1200	5.0	0.13	20.0000		95.6	74 - 129			
1,2,3-Trichloropropane	20.4100	5.0	0.39	20.0000		102	74 - 123			
1,2,3-Trichlorobenzene	19.6900	5.0	0.18	20.0000		98.4	59 - 130			
1,2,4-Trichlorobenzene	20.0800	5.0	0.16	20.0000		100	65 - 125			
1,2,4-Trimethylbenzene	18.5900	5.0	0.14	20.0000		93.0	88 - 124			
1,2-Dibromo-3-chloropropane	20.7500	5.0	0.41	20.0000		104	61 - 127			
1,2-Dibromoethane	18.6400	5.0	0.24	20.0000		93.2	72 - 125			
1,2-Dichlorobenzene	18.6200	5.0	0.20	20.0000		93.1	84 - 113			
1,2-Dichloroethane	17.6800	5.0	0.20	20.0000		88.4	68 - 130			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
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Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/04/2022

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1199 - MSVOA_W (continued)										
LCS (B2B1199-BS1) - Continued						Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,2-Dichloropropane	18.2100	5.0	0.15	20.0000		91.0	77 - 121			
1,3,5-Trimethylbenzene	19.2600	5.0	0.13	20.0000		96.3	83 - 124			
1,3-Dichlorobenzene	19.4000	5.0	0.16	20.0000		97.0	83 - 112			
1,3-Dichloropropane	19.9400	5.0	0.21	20.0000		99.7	77 - 119			
1,4-Dichlorobenzene	18.4000	5.0	0.17	20.0000		92.0	79 - 115			
2,2-Dichloropropane	18.8700	5.0	0.38	20.0000		94.4	67 - 149			
2-Chlorotoluene	18.5400	5.0	0.11	20.0000		92.7	81 - 119			
4-Chlorotoluene	18.3700	5.0	0.12	20.0000		91.8	86 - 117			
4-Isopropyltoluene	18.2500	5.0	0.11	20.0000		91.2	82 - 131			
Benzene	19.7400	5.0	0.13	20.0000		98.7	75 - 124			
Bromobenzene	19.2900	5.0	0.21	20.0000		96.4	82 - 108			
Bromochloromethane	21.8300	5.0	0.16	20.0000		109	73 - 125			
Bromodichloromethane	17.1300	5.0	0.14	20.0000		85.6	80 - 120			
Bromoform	19.7700	5.0	0.20	20.0000		98.8	70 - 123			
Bromomethane	14.8500	5.0	0.40	20.0000		74.2	44 - 151			
Carbon disulfide	15.5200	5.0	0.07	20.0000		77.6	63 - 150			
Carbon tetrachloride	16.3100	5.0	0.09	20.0000		81.6	62 - 140			
Chlorobenzene	19.4800	5.0	0.13	20.0000		97.4	80 - 112			
Chloroethane	15.9700	5.0	0.15	20.0000		79.8	42 - 167			
Chloroform	19.0400	5.0	0.11	20.0000		95.2	77 - 122			
Chloromethane	16.4600	5.0	0.12	20.0000		82.3	33 - 153			
cis-1,2-Dichloroethene	19.1700	5.0	0.14	20.0000		95.8	75 - 121			
cis-1,3-Dichloropropene	17.8400	5.0	0.13	20.0000		89.2	73 - 127			
Di-isopropyl ether	19.0700	5.0	0.15	20.0000		95.4	64 - 144			
Dibromochloromethane	18.9100	5.0	0.16	20.0000		94.6	77 - 122			
Dibromomethane	18.9000	5.0	0.19	20.0000		94.5	75 - 121			
Dichlorodifluoromethane	12.7700	5.0	0.18	20.0000		63.8	0 - 171			
Ethyl Acetate	209.650	50	8.7	200.000		105	54 - 153			
Ethyl Ether	167.340	50	2.0	200.000		83.7	65 - 139			
Ethyl tert-butyl ether	19.7000	5.0	0.21	20.0000		98.5	54 - 141			
Ethylbenzene	18.8900	5.0	0.13	20.0000		94.4	82 - 119			
Freon-113	14.5300	5.0	0.13	20.0000		72.6	49 - 156			
Hexachlorobutadiene	17.0400	5.0	0.15	20.0000		85.2	71 - 131			
Isopropylbenzene	18.9200	5.0	0.10	20.0000		94.6	75 - 126			
m,p-Xylene	37.0600	10	0.19	40.0000		92.6	86 - 119			
Methylene chloride	21.3900	5.0	0.71	20.0000		107	76 - 125			
MTBE	19.4700	5.0	0.26	20.0000		97.4	70 - 121			
n-Butylbenzene	18.4400	5.0	0.11	20.0000		92.2	81 - 125			
n-Propylbenzene	19.0200	5.0	0.10	20.0000		95.1	78 - 130			
Naphthalene	21.3900	5.0	0.41	20.0000		107	47 - 128			
o-Xylene	18.4200	5.0	0.13	20.0000		92.1	85 - 119			
sec-Butylbenzene	17.9000	5.0	0.09	20.0000		89.5	78 - 130			
Styrene	20.0200	5.0	0.13	20.0000		100	62 - 148			
tert-Amyl methyl ether	19.3300	5.0	0.41	20.0000		96.6	55 - 131			
tert-Butanol	115.150	100	2.4	100.000		115	45 - 153			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1199 - MSVOA_W (continued)										
LCS (B2B1199-BS1) - Continued						Prepared: 2/25/2022 Analyzed: 2/25/2022				
tert-Butylbenzene	17.7400	5.0	0.09	20.0000		88.7	77 - 125			
Tetrachloroethene	17.6500	5.0	0.10	20.0000		88.2	73 - 120			
Toluene	16.8400	5.0	0.12	20.0000		84.2	79 - 119			
trans-1,2-Dichloroethene	18.7800	5.0	0.09	20.0000		93.9	70 - 129			
trans-1,3-Dichloropropene	19.5000	5.0	0.23	20.0000		97.5	67 - 137			
Trichloroethene	17.7300	5.0	0.10	20.0000		88.6	73 - 117			
Trichlorofluoromethane	13.2900	5.0	0.23	20.0000		66.4	59 - 135			
Vinyl acetate	233.600	50	1.7	200.000		117	67 - 155			
Vinyl chloride	13.7600	5.0	0.13	20.0000		68.8	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*23.17*			*25.0000*		*92.7*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.14*			*25.0000*		*101*	*73 - 124*			
Surrogate: Dibromofluoromethane	*25.34*			*25.0000*		*101*	*78 - 129*			
Surrogate: Toluene-d8	*22.19*			*25.0000*		*88.8*	*84 - 117*			
LCS Dup (B2B1199-BSD1)						Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,1,1,2-Tetrachloroethane	18.7700	5.0	0.11	20.0000		93.8	79 - 116	2.48	20	
1,1,1-Trichloroethane	17.1300	5.0	0.21	20.0000		85.6	73 - 130	1.22	20	
1,1,2,2-Tetrachloroethane	21.8200	5.0	0.36	20.0000		109	71 - 122	1.34	20	
1,1,2-Trichloroethane	19.5700	5.0	0.25	20.0000		97.8	70 - 124	5.95	20	
1,1-Dichloroethane	18.1300	5.0	0.09	20.0000		90.6	69 - 128	1.75	20	
1,1-Dichloroethene	14.5500	5.0	0.13	20.0000		72.8	65 - 137	1.97	20	
1,1-Dichloropropene	18.4800	5.0	0.13	20.0000		92.4	74 - 129	3.40	20	
1,2,3-Trichloropropane	20.8500	5.0	0.39	20.0000		104	74 - 123	2.13	20	
1,2,3-Trichlorobenzene	20.5700	5.0	0.18	20.0000		103	59 - 130	4.37	20	
1,2,4-Trichlorobenzene	20.0900	5.0	0.16	20.0000		100	65 - 125	0.0498	20	
1,2,4-Trimethylbenzene	18.8900	5.0	0.14	20.0000		94.4	88 - 124	1.60	20	
1,2-Dibromo-3-chloropropane	20.5300	5.0	0.41	20.0000		103	61 - 127	1.07	20	
1,2-Dibromoethane	18.8800	5.0	0.24	20.0000		94.4	72 - 125	1.28	20	
1,2-Dichlorobenzene	19.2900	5.0	0.20	20.0000		96.4	84 - 113	3.53	20	
1,2-Dichloroethane	18.2200	5.0	0.20	20.0000		91.1	68 - 130	3.01	20	
1,2-Dichloropropane	17.9300	5.0	0.15	20.0000		89.6	77 - 121	1.55	20	
1,3,5-Trimethylbenzene	18.7900	5.0	0.13	20.0000		94.0	83 - 124	2.47	20	
1,3-Dichlorobenzene	19.3200	5.0	0.16	20.0000		96.6	83 - 112	0.413	20	
1,3-Dichloropropane	20.2600	5.0	0.21	20.0000		101	77 - 119	1.59	20	
1,4-Dichlorobenzene	19.0500	5.0	0.17	20.0000		95.2	79 - 115	3.47	20	
2,2-Dichloropropane	18.2200	5.0	0.38	20.0000		91.1	67 - 149	3.50	20	
2-Chlorotoluene	18.6300	5.0	0.11	20.0000		93.2	81 - 119	0.484	20	
4-Chlorotoluene	18.6100	5.0	0.12	20.0000		93.0	86 - 117	1.30	20	
4-Isopropyltoluene	18.0500	5.0	0.11	20.0000		90.2	82 - 131	1.10	20	
Benzene	19.2700	5.0	0.13	20.0000		96.4	75 - 124	2.41	20	
Bromobenzene	19.1800	5.0	0.21	20.0000		95.9	82 - 108	0.572	20	
Bromochloromethane	21.9800	5.0	0.16	20.0000		110	73 - 125	0.685	20	
Bromodichloromethane	17.4900	5.0	0.14	20.0000		87.4	80 - 120	2.08	20	
Bromoform	20.6400	5.0	0.20	20.0000		103	70 - 123	4.31	20	
Bromomethane	14.6000	5.0	0.40	20.0000		73.0	44 - 151	1.70	20	

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19200 Von Karman Ave., Suite 800
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Project Number : Ontario Airport / 5925
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Reported : 03/04/2022

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1199 - MSVOA_W (continued)										
LCS Dup (B2B1199-BSD1) - Continued						Prepared: 2/25/2022 Analyzed: 2/25/2022				
Carbon disulfide	15.4000	5.0	0.07	20.0000		77.0	63 - 150	0.776	20	
Carbon tetrachloride	16.3800	5.0	0.09	20.0000		81.9	62 - 140	0.428	20	
Chlorobenzene	19.1100	5.0	0.13	20.0000		95.6	80 - 112	1.92	20	
Chloroethane	15.6400	5.0	0.15	20.0000		78.2	42 - 167	2.09	20	
Chloroform	19.0000	5.0	0.11	20.0000		95.0	77 - 122	0.210	20	
Chloromethane	16.2400	5.0	0.12	20.0000		81.2	33 - 153	1.35	20	
cis-1,2-Dichloroethene	19.1900	5.0	0.14	20.0000		96.0	75 - 121	0.104	20	
cis-1,3-Dichloropropene	17.9900	5.0	0.13	20.0000		90.0	73 - 127	0.837	20	
Di-isopropyl ether	19.9300	5.0	0.15	20.0000		99.6	64 - 144	4.41	20	
Dibromochloromethane	19.0700	5.0	0.16	20.0000		95.4	77 - 122	0.843	20	
Dibromomethane	18.8700	5.0	0.19	20.0000		94.4	75 - 121	0.159	20	
Dichlorodifluoromethane	13.2700	5.0	0.18	20.0000		66.4	0 - 171	3.84	20	
Ethyl Acetate	221.480	50	8.7	200.000		111	54 - 153	5.49	20	
Ethyl Ether	175.100	50	2.0	200.000		87.6	65 - 139	4.53	20	
Ethyl tert-butyl ether	19.8800	5.0	0.21	20.0000		99.4	54 - 141	0.910	20	
Ethylbenzene	19.0900	5.0	0.13	20.0000		95.4	82 - 119	1.05	20	
Freon-113	14.4500	5.0	0.13	20.0000		72.2	49 - 156	0.552	20	
Hexachlorobutadiene	17.1700	5.0	0.15	20.0000		85.8	71 - 131	0.760	20	
Isopropylbenzene	18.2800	5.0	0.10	20.0000		91.4	75 - 126	3.44	20	
m,p-Xylene	36.8900	10	0.19	40.0000		92.2	86 - 119	0.460	20	
Methylene chloride	22.3900	5.0	0.71	20.0000		112	76 - 125	4.57	20	
MTBE	19.9200	5.0	0.26	20.0000		99.6	70 - 121	2.28	20	
n-Butylbenzene	18.6200	5.0	0.11	20.0000		93.1	81 - 125	0.971	20	
n-Propylbenzene	19.1200	5.0	0.10	20.0000		95.6	78 - 130	0.524	20	
Naphthalene	21.9000	5.0	0.41	20.0000		110	47 - 128	2.36	20	
o-Xylene	18.9200	5.0	0.13	20.0000		94.6	85 - 119	2.68	20	
sec-Butylbenzene	17.9900	5.0	0.09	20.0000		90.0	78 - 130	0.502	20	
Styrene	20.1300	5.0	0.13	20.0000		101	62 - 148	0.548	20	
tert-Amyl methyl ether	19.9500	5.0	0.41	20.0000		99.8	55 - 131	3.16	20	
tert-Butanol	125.590	100	2.4	100.000		126	45 - 153	8.67	20	
tert-Butylbenzene	17.6800	5.0	0.09	20.0000		88.4	77 - 125	0.339	20	
Tetrachloroethene	16.4400	5.0	0.10	20.0000		82.2	73 - 120	7.10	20	
Toluene	17.1700	5.0	0.12	20.0000		85.8	79 - 119	1.94	20	
trans-1,2-Dichloroethene	18.1400	5.0	0.09	20.0000		90.7	70 - 129	3.47	20	
trans-1,3-Dichloropropene	19.1700	5.0	0.23	20.0000		95.8	67 - 137	1.71	20	
Trichloroethene	17.9300	5.0	0.10	20.0000		89.6	73 - 117	1.12	20	
Trichlorofluoromethane	13.2100	5.0	0.23	20.0000		66.0	59 - 135	0.604	20	
Vinyl acetate	248.520	50	1.7	200.000		124	67 - 155	6.19	20	
Vinyl chloride	13.9000	5.0	0.13	20.0000		69.5	58 - 132	1.01	20	
Surrogate: 1,2-Dichloroethane-d4	*22.67*			*25.0000*		*90.7*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*24.16*			*25.0000*		*96.6*	*73 - 124*			
Surrogate: Dibromofluoromethane	*25.07*			*25.0000*		*100*	*78 - 129*			
Surrogate: Toluene-d8	*22.41*			*25.0000*		*89.6*	*84 - 117*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1214 - MSVOA_S										
Blank (B2B1214-BLK1)							Prepared: 2/25/2022 Analyzed: 2/25/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1214 - MSVOA_S (continued)										
Blank (B2B1214-BLK1) - Continued						Prepared: 2/25/2022 Analyzed: 2/25/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*52.54*			*50.0000*		*105*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*49.08*			*50.0000*		*98.2*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.74*			*50.0000*		*107*	*77 - 159*			
Surrogate: Toluene-d8	*48.64*			*50.0000*		*97.3*	*81 - 128*			
LCS (B2B1214-BS1)						Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,1,1,2-Tetrachloroethane	47.4500	5.0	0.52	50.0000		94.9	84 - 123			
1,1,1-Trichloroethane	54.4400	5.0	0.26	50.0000		109	78 - 133			
1,1,2,2-Tetrachloroethane	46.4800	5.0	0.21	50.0000		93.0	63 - 127			
1,1,2-Trichloroethane	47.5600	5.0	0.40	50.0000		95.1	80 - 125			
1,1-Dichloroethane	53.6300	5.0	1.4	50.0000		107	77 - 128			
1,1-Dichloroethene	53.5700	5.0	1.9	50.0000		107	69 - 138			
1,1-Dichloropropene	52.9900	5.0	0.54	50.0000		106	80 - 133			
1,2,3-Trichloropropane	47.3300	5.0	0.40	50.0000		94.7	74 - 123			
1,2,3-Trichlorobenzene	48.0600	5.0	0.83	50.0000		96.1	79 - 133			
1,2,4-Trichlorobenzene	51.2600	5.0	0.80	50.0000		103	73 - 131			
1,2,4-Trimethylbenzene	51.3300	5.0	0.91	50.0000		103	86 - 137			
1,2-Dibromo-3-chloropropane	44.2200	10	1.1	50.0000		88.4	62 - 127			
1,2-Dibromoethane	47.3100	5.0	0.40	50.0000		94.6	83 - 126			
1,2-Dichlorobenzene	47.7700	5.0	0.21	50.0000		95.5	83 - 123			
1,2-Dichloroethane	50.0800	5.0	0.50	50.0000		100	76 - 128			

GSI Environmental, Inc.
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Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/04/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1214 - MSVOA_S (continued)										
LCS (B2B1214-BS1) - Continued						Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,2-Dichloropropane	49.7200	5.0	0.46	50.0000		99.4	77 - 121			
1,3,5-Trimethylbenzene	50.4200	5.0	0.70	50.0000		101	84 - 135			
1,3-Dichlorobenzene	48.3000	5.0	0.36	50.0000		96.6	81 - 126			
1,3-Dichloropropane	48.9200	5.0	0.49	50.0000		97.8	80 - 118			
1,4-Dichlorobenzene	49.3400	5.0	0.27	50.0000		98.7	80 - 124			
2,2-Dichloropropane	56.0800	5.0	0.28	50.0000		112	72 - 135			
2-Chlorotoluene	51.4200	5.0	0.53	50.0000		103	81 - 127			
4-Chlorotoluene	51.6900	5.0	0.40	50.0000		103	83 - 127			
4-Isopropyltoluene	50.8900	5.0	0.81	50.0000		102	82 - 143			
Benzene	52.8200	5.0	0.36	50.0000		106	84 - 123			
Bromobenzene	52.6300	5.0	0.62	50.0000		105	80 - 122			
Bromochloromethane	51.9400	5.0	0.30	50.0000		104	83 - 127			
Bromodichloromethane	53.1200	5.0	0.52	50.0000		106	82 - 123			
Bromoform	48.1300	5.0	1.4	50.0000		96.3	80 - 132			
Bromomethane	76.9000	5.0	2.5	50.0000		154	67 - 176			
Carbon disulfide	55.5200	5.0	0.94	50.0000		111	75 - 138			
Carbon tetrachloride	52.8500	5.0	0.73	50.0000		106	76 - 131			
Chlorobenzene	49.6300	5.0	0.42	50.0000		99.3	84 - 119			
Chloroethane	64.6000	5.0	1.5	50.0000		129	56 - 170			
Chloroform	54.3000	5.0	0.24	50.0000		109	78 - 129			
Chloromethane	60.5700	5.0	1.1	50.0000		121	63 - 141			
cis-1,2-Dichloroethene	44.7500	5.0	0.20	50.0000		89.5	83 - 125			
cis-1,3-Dichloropropene	46.7800	5.0	0.39	50.0000		93.6	76 - 129			
Di-isopropyl ether	54.3100	5.0	1.9	50.0000		109	73 - 132			
Dibromochloromethane	46.4800	5.0	0.81	50.0000		93.0	81 - 120			
Dibromomethane	49.1400	5.0	0.23	50.0000		98.3	79 - 124			
Dichlorodifluoromethane	56.8200	5.0	0.14	50.0000		114	18 - 199			
Ethyl Acetate	11.9800	50	7.0	500.000		2.40	76 - 138			MO
Ethyl Ether	592.770	50	17	500.000		119	74 - 128			
Ethyl tert-butyl ether	50.4000	5.0	0.85	50.0000		101	50 - 175			
Ethylbenzene	51.7100	5.0	0.43	50.0000		103	86 - 130			
Freon-113	64.7200	5.0	1.3	50.0000		129	66 - 132			
Hexachlorobutadiene	53.0600	5.0	0.40	50.0000		106	64 - 135			
Isopropylbenzene	53.5900	5.0	0.79	50.0000		107	80 - 133			
m,p-Xylene	100.420	10	0.98	100.000		100	89 - 133			
Methylene chloride	52.1700	5.0	2.2	50.0000		104	72 - 143			
MTBE	48.4000	5.0	0.81	50.0000		96.8	73 - 136			
n-Butylbenzene	51.7200	5.0	1.2	50.0000		103	76 - 144			
n-Propylbenzene	51.4900	5.0	0.78	50.0000		103	81 - 136			
Naphthalene	44.9000	5.0	1.1	50.0000		89.8	64 - 128			
o-Xylene	52.4500	5.0	0.67	50.0000		105	82 - 134			
sec-Butylbenzene	52.0100	5.0	0.63	50.0000		104	81 - 138			
Styrene	50.3800	5.0	0.45	50.0000		101	79 - 152			
tert-Amyl methyl ether	50.3700	5.0	1.1	50.0000		101	48 - 166			
tert-Butanol	182.490	100	11	250.000		73.0	48 - 148			

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Project Number : Ontario Airport / 5925
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1214 - MSVOA_S (continued)										
LCS (B2B1214-BS1) - Continued						Prepared: 2/25/2022 Analyzed: 2/25/2022				
tert-Butylbenzene	48.9500	5.0	0.80	50.0000		97.9	81 - 135			
Tetrachloroethene	51.9000	5.0	0.31	50.0000		104	75 - 127			
Toluene	51.4500	5.0	0.27	50.0000		103	88 - 130			
trans-1,2-Dichloroethene	72.3500	5.0	0.56	50.0000		145	79 - 127			L5
trans-1,3-Dichloropropene	46.8100	5.0	0.59	50.0000		93.6	80 - 130			
Trichloroethene	50.7300	5.0	0.32	50.0000		101	83 - 126			
Trichlorofluoromethane	62.9000	5.0	1.0	50.0000		126	62 - 143			
Vinyl acetate	21.9600	50	6.0	500.000		4.39	69 - 150			MO
Vinyl chloride	63.5500	5.0	0.92	50.0000		127	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*52.73*			*50.0000*		*105*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.35*			*50.0000*		*103*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.39*			*50.0000*		*107*	*77 - 159*			
Surrogate: Toluene-d8	*49.15*			*50.0000*		*98.3*	*81 - 128*			
LCS Dup (B2B1214-BSD1)						Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,1,1,2-Tetrachloroethane	49.5800	5.0	0.52	50.0000		99.2	84 - 123	4.39	20	
1,1,1-Trichloroethane	52.3500	5.0	0.26	50.0000		105	78 - 133	3.91	20	
1,1,2,2-Tetrachloroethane	47.6100	5.0	0.21	50.0000		95.2	63 - 127	2.40	20	
1,1,2-Trichloroethane	47.6100	5.0	0.40	50.0000		95.2	80 - 125	0.105	20	
1,1-Dichloroethane	52.1900	5.0	1.4	50.0000		104	77 - 128	2.72	20	
1,1-Dichloroethene	53.0000	5.0	1.9	50.0000		106	69 - 138	1.07	20	
1,1-Dichloropropene	54.4500	5.0	0.54	50.0000		109	80 - 133	2.72	20	
1,2,3-Trichloropropane	49.7200	5.0	0.40	50.0000		99.4	74 - 123	4.93	20	
1,2,3-Trichlorobenzene	49.4300	5.0	0.83	50.0000		98.9	79 - 133	2.81	20	
1,2,4-Trichlorobenzene	52.8700	5.0	0.80	50.0000		106	73 - 131	3.09	20	
1,2,4-Trimethylbenzene	51.2700	5.0	0.91	50.0000		103	86 - 137	0.117	20	
1,2-Dibromo-3-chloropropane	47.3100	10	1.1	50.0000		94.6	62 - 127	6.75	20	
1,2-Dibromoethane	50.6200	5.0	0.40	50.0000		101	83 - 126	6.76	20	
1,2-Dichlorobenzene	48.5500	5.0	0.21	50.0000		97.1	83 - 123	1.62	20	
1,2-Dichloroethane	50.1900	5.0	0.50	50.0000		100	76 - 128	0.219	20	
1,2-Dichloropropane	49.4600	5.0	0.46	50.0000		98.9	77 - 121	0.524	20	
1,3,5-Trimethylbenzene	51.3000	5.0	0.70	50.0000		103	84 - 135	1.73	20	
1,3-Dichlorobenzene	49.9200	5.0	0.36	50.0000		99.8	81 - 126	3.30	20	
1,3-Dichloropropane	49.5000	5.0	0.49	50.0000		99.0	80 - 118	1.18	20	
1,4-Dichlorobenzene	49.0100	5.0	0.27	50.0000		98.0	80 - 124	0.671	20	
2,2-Dichloropropane	52.6700	5.0	0.28	50.0000		105	72 - 135	6.27	20	
2-Chlorotoluene	50.8700	5.0	0.53	50.0000		102	81 - 127	1.08	20	
4-Chlorotoluene	52.0000	5.0	0.40	50.0000		104	83 - 127	0.598	20	
4-Isopropyltoluene	50.1100	5.0	0.81	50.0000		100	82 - 143	1.54	20	
Benzene	51.5300	5.0	0.36	50.0000		103	84 - 123	2.47	20	
Bromobenzene	48.4400	5.0	0.62	50.0000		96.9	80 - 122	8.29	20	
Bromochloromethane	48.0700	5.0	0.30	50.0000		96.1	83 - 127	7.74	20	
Bromodichloromethane	52.2000	5.0	0.52	50.0000		104	82 - 123	1.75	20	
Bromoform	46.1100	5.0	1.4	50.0000		92.2	80 - 132	4.29	20	
Bromomethane	68.2500	5.0	2.5	50.0000		136	67 - 176	11.9	20	

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1214 - MSVOA_S (continued)										
LCS Dup (B2B1214-BSD1) - Continued						Prepared: 2/25/2022 Analyzed: 2/25/2022				
Carbon disulfide	52.0800	5.0	0.94	50.0000		104	75 - 138	6.39	20	
Carbon tetrachloride	51.0700	5.0	0.73	50.0000		102	76 - 131	3.43	20	
Chlorobenzene	49.0400	5.0	0.42	50.0000		98.1	84 - 119	1.20	20	
Chloroethane	60.2700	5.0	1.5	50.0000		121	56 - 170	6.94	20	
Chloroform	51.7700	5.0	0.24	50.0000		104	78 - 129	4.77	20	
Chloromethane	56.5300	5.0	1.1	50.0000		113	63 - 141	6.90	20	
cis-1,2-Dichloroethene	40.7200	5.0	0.20	50.0000		81.4	83 - 125	9.43	20	L3
cis-1,3-Dichloropropene	46.4600	5.0	0.39	50.0000		92.9	76 - 129	0.686	20	
Di-isopropyl ether	51.1400	5.0	1.9	50.0000		102	73 - 132	6.01	20	
Dibromochloromethane	46.2500	5.0	0.81	50.0000		92.5	81 - 120	0.496	20	
Dibromomethane	49.1400	5.0	0.23	50.0000		98.3	79 - 124	0.00	20	
Dichlorodifluoromethane	54.9000	5.0	0.14	50.0000		110	18 - 199	3.44	20	
Ethyl Acetate	11.1900	50	7.0	500.000		2.24	76 - 138	6.82	20	MO
Ethyl Ether	583.580	50	17	500.000		117	74 - 128	1.56	20	
Ethyl tert-butyl ether	48.0200	5.0	0.85	50.0000		96.0	50 - 175	4.84	20	
Ethylbenzene	50.2300	5.0	0.43	50.0000		100	86 - 130	2.90	20	
Freon-113	59.5900	5.0	1.3	50.0000		119	66 - 132	8.25	20	
Hexachlorobutadiene	50.8400	5.0	0.40	50.0000		102	64 - 135	4.27	20	
Isopropylbenzene	53.6600	5.0	0.79	50.0000		107	80 - 133	0.131	20	
m,p-Xylene	96.4200	10	0.98	100.000		96.4	89 - 133	4.06	20	
Methylene chloride	48.7800	5.0	2.2	50.0000		97.6	72 - 143	6.72	20	
MTBE	47.7700	5.0	0.81	50.0000		95.5	73 - 136	1.31	20	
n-Butylbenzene	51.2200	5.0	1.2	50.0000		102	76 - 144	0.971	20	
n-Propylbenzene	50.5600	5.0	0.78	50.0000		101	81 - 136	1.82	20	
Naphthalene	48.7300	5.0	1.1	50.0000		97.5	64 - 128	8.18	20	
o-Xylene	50.5100	5.0	0.67	50.0000		101	82 - 134	3.77	20	
sec-Butylbenzene	51.7200	5.0	0.63	50.0000		103	81 - 138	0.559	20	
Styrene	47.3400	5.0	0.45	50.0000		94.7	79 - 152	6.22	20	
tert-Amyl methyl ether	48.4700	5.0	1.1	50.0000		96.9	48 - 166	3.84	20	
tert-Butanol	174.010	100	11	250.000		69.6	48 - 148	4.76	20	
tert-Butylbenzene	49.7200	5.0	0.80	50.0000		99.4	81 - 135	1.56	20	
Tetrachloroethene	47.6800	5.0	0.31	50.0000		95.4	75 - 127	8.48	20	
Toluene	50.7300	5.0	0.27	50.0000		101	88 - 130	1.41	20	
trans-1,2-Dichloroethene	72.5700	5.0	0.56	50.0000		145	79 - 127	0.304	20	L5
trans-1,3-Dichloropropene	49.9500	5.0	0.59	50.0000		99.9	80 - 130	6.49	20	
Trichloroethene	49.5300	5.0	0.32	50.0000		99.1	83 - 126	2.39	20	
Trichlorofluoromethane	57.5200	5.0	1.0	50.0000		115	62 - 143	8.94	20	
Vinyl acetate	18.9200	50	6.0	500.000		3.78	69 - 150	14.9	20	MO
Vinyl chloride	63.6800	5.0	0.92	50.0000		127	69 - 140	0.204	20	
Surrogate: 1,2-Dichloroethane-d4	*50.98*			*50.0000*		*102*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.73*			*50.0000*		*103*	*50 - 146*			
Surrogate: Dibromofluoromethane	*54.04*			*50.0000*		*108*	*77 - 159*			
Surrogate: Toluene-d8	*50.25*			*50.0000*		*100*	*81 - 128*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S										
Blank (B2B1236-BLK1)							Prepared: 2/28/2022 Analyzed: 2/28/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S (continued)										
Blank (B2B1236-BLK1) - Continued						Prepared: 2/28/2022 Analyzed: 2/28/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*60.07*			*50.0000*		*120*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*47.77*			*50.0000*		*95.5*	*50 - 146*			
Surrogate: Dibromofluoromethane	*59.56*			*50.0000*		*119*	*77 - 159*			
Surrogate: Toluene-d8	*48.33*			*50.0000*		*96.7*	*81 - 128*			
Blank (B2B1236-BLK2)						Prepared: 2/28/2022 Analyzed: 2/28/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/04/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S (continued)										
Blank (B2B1236-BLK2) - Continued							Prepared: 2/28/2022 Analyzed: 2/28/2022			
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							

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19200 Von Karman Ave., Suite 800
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Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/04/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S (continued)										
Blank (B2B1236-BLK2) - Continued						Prepared: 2/28/2022 Analyzed: 2/28/2022				
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*49.18*			*50.0000*		*98.4*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*46.58*			*50.0000*		*93.2*	*50 - 146*			
Surrogate: Dibromofluoromethane	*47.05*			*50.0000*		*94.1*	*77 - 159*			
Surrogate: Toluene-d8	*49.18*			*50.0000*		*98.4*	*81 - 128*			
LCS (B2B1236-BS1)						Prepared: 2/28/2022 Analyzed: 2/28/2022				
1,1,1,2-Tetrachloroethane	47.3000	5.0	0.52	50.0000		94.6	84 - 123			
1,1,1-Trichloroethane	52.9800	5.0	0.26	50.0000		106	78 - 133			
1,1,2,2-Tetrachloroethane	47.4000	5.0	0.21	50.0000		94.8	63 - 127			
1,1,2-Trichloroethane	48.9200	5.0	0.40	50.0000		97.8	80 - 125			
1,1-Dichloroethane	50.7400	5.0	1.4	50.0000		101	77 - 128			
1,1-Dichloroethene	51.3600	5.0	1.9	50.0000		103	69 - 138			
1,1-Dichloropropene	50.4100	5.0	0.54	50.0000		101	80 - 133			
1,2,3-Trichloropropane	47.2200	5.0	0.40	50.0000		94.4	74 - 123			
1,2,3-Trichlorobenzene	47.5300	5.0	0.83	50.0000		95.1	79 - 133			
1,2,4-Trichlorobenzene	47.0600	5.0	0.80	50.0000		94.1	73 - 131			
1,2,4-Trimethylbenzene	50.3700	5.0	0.91	50.0000		101	86 - 137			
1,2-Dibromo-3-chloropropane	46.4200	10	1.1	50.0000		92.8	62 - 127			
1,2-Dibromoethane	48.6500	5.0	0.40	50.0000		97.3	83 - 126			
1,2-Dichlorobenzene	45.8200	5.0	0.21	50.0000		91.6	83 - 123			
1,2-Dichloroethane	51.1600	5.0	0.50	50.0000		102	76 - 128			
1,2-Dichloropropane	48.3700	5.0	0.46	50.0000		96.7	77 - 121			
1,3,5-Trimethylbenzene	49.4900	5.0	0.70	50.0000		99.0	84 - 135			
1,3-Dichlorobenzene	47.8900	5.0	0.36	50.0000		95.8	81 - 126			
1,3-Dichloropropane	48.3300	5.0	0.49	50.0000		96.7	80 - 118			
1,4-Dichlorobenzene	49.2700	5.0	0.27	50.0000		98.5	80 - 124			
2,2-Dichloropropane	52.6100	5.0	0.28	50.0000		105	72 - 135			
2-Chlorotoluene	48.1200	5.0	0.53	50.0000		96.2	81 - 127			
4-Chlorotoluene	48.5100	5.0	0.40	50.0000		97.0	83 - 127			
4-Isopropyltoluene	49.3200	5.0	0.81	50.0000		98.6	82 - 143			
Benzene	49.6700	5.0	0.36	50.0000		99.3	84 - 123			
Bromobenzene	48.6800	5.0	0.62	50.0000		97.4	80 - 122			
Bromochloromethane	48.2600	5.0	0.30	50.0000		96.5	83 - 127			
Bromodichloromethane	49.2300	5.0	0.52	50.0000		98.5	82 - 123			
Bromoform	47.5400	5.0	1.4	50.0000		95.1	80 - 132			
Bromomethane	71.3400	5.0	2.5	50.0000		143	67 - 176			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/04/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S (continued)										
LCS (B2B1236-BS1) - Continued						Prepared: 2/28/2022 Analyzed: 2/28/2022				
Carbon disulfide	49.1200	5.0	0.94	50.0000		98.2	75 - 138			
Carbon tetrachloride	49.6400	5.0	0.73	50.0000		99.3	76 - 131			
Chlorobenzene	47.1700	5.0	0.42	50.0000		94.3	84 - 119			
Chloroethane	57.2300	5.0	1.5	50.0000		114	56 - 170			
Chloroform	49.9000	5.0	0.24	50.0000		99.8	78 - 129			
Chloromethane	51.0900	5.0	1.1	50.0000		102	63 - 141			
cis-1,2-Dichloroethene	38.5600	5.0	0.20	50.0000		77.1	83 - 125			L3
cis-1,3-Dichloropropene	44.9100	5.0	0.39	50.0000		89.8	76 - 129			
Di-isopropyl ether	48.5400	5.0	1.9	50.0000		97.1	73 - 132			
Dibromochloromethane	48.4300	5.0	0.81	50.0000		96.9	81 - 120			
Dibromomethane	47.7500	5.0	0.23	50.0000		95.5	79 - 124			
Dichlorodifluoromethane	50.6700	5.0	0.14	50.0000		101	18 - 199			
Ethyl Acetate	27.6400	50	7.0	500.000		5.53	76 - 138			MO
Ethyl Ether	554.990	50	17	500.000		111	74 - 128			
Ethyl tert-butyl ether	46.4900	5.0	0.85	50.0000		93.0	50 - 175			
Ethylbenzene	49.8300	5.0	0.43	50.0000		99.7	86 - 130			
Freon-113	60.0700	5.0	1.3	50.0000		120	66 - 132			
Hexachlorobutadiene	49.2300	5.0	0.40	50.0000		98.5	64 - 135			
Isopropylbenzene	50.2600	5.0	0.79	50.0000		101	80 - 133			
m,p-Xylene	96.9200	10	0.98	100.000		96.9	89 - 133			
Methylene chloride	48.7700	5.0	2.2	50.0000		97.5	72 - 143			
MTBE	46.4300	5.0	0.81	50.0000		92.9	73 - 136			
n-Butylbenzene	48.9900	5.0	1.2	50.0000		98.0	76 - 144			
n-Propylbenzene	49.9100	5.0	0.78	50.0000		99.8	81 - 136			
Naphthalene	45.3600	5.0	1.1	50.0000		90.7	64 - 128			
o-Xylene	49.3600	5.0	0.67	50.0000		98.7	82 - 134			
sec-Butylbenzene	48.7900	5.0	0.63	50.0000		97.6	81 - 138			
Styrene	48.3800	5.0	0.45	50.0000		96.8	79 - 152			
tert-Amyl methyl ether	49.2000	5.0	1.1	50.0000		98.4	48 - 166			
tert-Butanol	177.550	100	11	250.000		71.0	48 - 148			
tert-Butylbenzene	48.2200	5.0	0.80	50.0000		96.4	81 - 135			
Tetrachloroethene	48.2500	5.0	0.31	50.0000		96.5	75 - 127			
Toluene	48.9400	5.0	0.27	50.0000		97.9	88 - 130			
trans-1,2-Dichloroethene	65.5400	5.0	0.56	50.0000		131	79 - 127			L4
trans-1,3-Dichloropropene	47.5200	5.0	0.59	50.0000		95.0	80 - 130			
Trichloroethene	48.0400	5.0	0.32	50.0000		96.1	83 - 126			
Trichlorofluoromethane	58.3600	5.0	1.0	50.0000		117	62 - 143			
Vinyl acetate	36.0400	50	6.0	500.000		7.21	69 - 150			MO
Vinyl chloride	58.7600	5.0	0.92	50.0000		118	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*53.11*			*50.0000*		*106*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.30*			*50.0000*		*101*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.87*			*50.0000*		*104*	*77 - 159*			
Surrogate: Toluene-d8	*49.16*			*50.0000*		*98.3*	*81 - 128*			
LCS Dup (B2B1236-BSD1)						Prepared: 2/28/2022 Analyzed: 2/28/2022				

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
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Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/04/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S (continued)										
LCS Dup (B2B1236-BSD1) - Continued						Prepared: 2/28/2022 Analyzed: 2/28/2022				
1,1,1,2-Tetrachloroethane	49.5800	5.0	0.52	50.0000		99.2	84 - 123	4.71	20	
1,1,1-Trichloroethane	51.5700	5.0	0.26	50.0000		103	78 - 133	2.70	20	
1,1,2,2-Tetrachloroethane	46.7000	5.0	0.21	50.0000		93.4	63 - 127	1.49	20	
1,1,2-Trichloroethane	48.8400	5.0	0.40	50.0000		97.7	80 - 125	0.164	20	
1,1-Dichloroethane	50.7400	5.0	1.4	50.0000		101	77 - 128	0.00	20	
1,1-Dichloroethene	51.3700	5.0	1.9	50.0000		103	69 - 138	0.0195	20	
1,1-Dichloropropene	49.1500	5.0	0.54	50.0000		98.3	80 - 133	2.53	20	
1,2,3-Trichloropropane	46.0900	5.0	0.40	50.0000		92.2	74 - 123	2.42	20	
1,2,3-Trichlorobenzene	48.1800	5.0	0.83	50.0000		96.4	79 - 133	1.36	20	
1,2,4-Trichlorobenzene	48.8500	5.0	0.80	50.0000		97.7	73 - 131	3.73	20	
1,2,4-Trimethylbenzene	51.6300	5.0	0.91	50.0000		103	86 - 137	2.47	20	
1,2-Dibromo-3-chloropropane	46.8800	10	1.1	50.0000		93.8	62 - 127	0.986	20	
1,2-Dibromoethane	49.6800	5.0	0.40	50.0000		99.4	83 - 126	2.09	20	
1,2-Dichlorobenzene	45.9400	5.0	0.21	50.0000		91.9	83 - 123	0.262	20	
1,2-Dichloroethane	51.2600	5.0	0.50	50.0000		103	76 - 128	0.195	20	
1,2-Dichloropropane	46.3100	5.0	0.46	50.0000		92.6	77 - 121	4.35	20	
1,3,5-Trimethylbenzene	50.3000	5.0	0.70	50.0000		101	84 - 135	1.62	20	
1,3-Dichlorobenzene	47.6800	5.0	0.36	50.0000		95.4	81 - 126	0.439	20	
1,3-Dichloropropane	47.7300	5.0	0.49	50.0000		95.5	80 - 118	1.25	20	
1,4-Dichlorobenzene	49.2700	5.0	0.27	50.0000		98.5	80 - 124	0.00	20	
2,2-Dichloropropane	51.1800	5.0	0.28	50.0000		102	72 - 135	2.76	20	
2-Chlorotoluene	49.8400	5.0	0.53	50.0000		99.7	81 - 127	3.51	20	
4-Chlorotoluene	50.6600	5.0	0.40	50.0000		101	83 - 127	4.34	20	
4-Isopropyltoluene	49.5700	5.0	0.81	50.0000		99.1	82 - 143	0.506	20	
Benzene	50.6300	5.0	0.36	50.0000		101	84 - 123	1.91	20	
Bromobenzene	47.6400	5.0	0.62	50.0000		95.3	80 - 122	2.16	20	
Bromochloromethane	45.8400	5.0	0.30	50.0000		91.7	83 - 127	5.14	20	
Bromodichloromethane	51.3200	5.0	0.52	50.0000		103	82 - 123	4.16	20	
Bromoform	48.0900	5.0	1.4	50.0000		96.2	80 - 132	1.15	20	
Bromomethane	75.4400	5.0	2.5	50.0000		151	67 - 176	5.59	20	
Carbon disulfide	50.0100	5.0	0.94	50.0000		100	75 - 138	1.80	20	
Carbon tetrachloride	52.3700	5.0	0.73	50.0000		105	76 - 131	5.35	20	
Chlorobenzene	48.4500	5.0	0.42	50.0000		96.9	84 - 119	2.68	20	
Chloroethane	58.7300	5.0	1.5	50.0000		117	56 - 170	2.59	20	
Chloroform	48.3500	5.0	0.24	50.0000		96.7	78 - 129	3.16	20	
Chloromethane	53.8800	5.0	1.1	50.0000		108	63 - 141	5.32	20	
cis-1,2-Dichloroethene	37.1800	5.0	0.20	50.0000		74.4	83 - 125	3.64	20	L3
cis-1,3-Dichloropropene	43.6500	5.0	0.39	50.0000		87.3	76 - 129	2.85	20	
Di-isopropyl ether	47.3300	5.0	1.9	50.0000		94.7	73 - 132	2.52	20	
Dibromochloromethane	45.7000	5.0	0.81	50.0000		91.4	81 - 120	5.80	20	
Dibromomethane	48.9700	5.0	0.23	50.0000		97.9	79 - 124	2.52	20	
Dichlorodifluoromethane	50.5900	5.0	0.14	50.0000		101	18 - 199	0.158	20	
Ethyl Acetate	12.3500	50	7.0	500.000		2.47	76 - 138	76.5	20	MO
Ethyl Ether	559.720	50	17	500.000		112	74 - 128	0.849	20	
Ethyl tert-butyl ether	48.5100	5.0	0.85	50.0000		97.0	50 - 175	4.25	20	

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Project Number : Ontario Airport / 5925
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Reported : 03/04/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S (continued)										
LCS Dup (B2B1236-BSD1) - Continued						Prepared: 2/28/2022 Analyzed: 2/28/2022				
Ethylbenzene	49.8800	5.0	0.43	50.0000		99.8	86 - 130	0.100	20	
Freon-113	60.1700	5.0	1.3	50.0000		120	66 - 132	0.166	20	
Hexachlorobutadiene	53.2800	5.0	0.40	50.0000		107	64 - 135	7.90	20	
Isopropylbenzene	49.8300	5.0	0.79	50.0000		99.7	80 - 133	0.859	20	
m,p-Xylene	98.0100	10	0.98	100.000		98.0	89 - 133	1.12	20	
Methylene chloride	48.0100	5.0	2.2	50.0000		96.0	72 - 143	1.57	20	
MTBE	46.5000	5.0	0.81	50.0000		93.0	73 - 136	0.151	20	
n-Butylbenzene	50.1200	5.0	1.2	50.0000		100	76 - 144	2.28	20	
n-Propylbenzene	49.6600	5.0	0.78	50.0000		99.3	81 - 136	0.502	20	
Naphthalene	45.9700	5.0	1.1	50.0000		91.9	64 - 128	1.34	20	
o-Xylene	49.3400	5.0	0.67	50.0000		98.7	82 - 134	0.0405	20	
sec-Butylbenzene	50.0300	5.0	0.63	50.0000		100	81 - 138	2.51	20	
Styrene	48.7000	5.0	0.45	50.0000		97.4	79 - 152	0.659	20	
tert-Amyl methyl ether	47.7000	5.0	1.1	50.0000		95.4	48 - 166	3.10	20	
tert-Butanol	172.210	100	11	250.000		68.9	48 - 148	3.05	20	
tert-Butylbenzene	50.1400	5.0	0.80	50.0000		100	81 - 135	3.90	20	
Tetrachloroethene	49.1600	5.0	0.31	50.0000		98.3	75 - 127	1.87	20	
Toluene	51.5800	5.0	0.27	50.0000		103	88 - 130	5.25	20	
trans-1,2-Dichloroethene	67.6000	5.0	0.56	50.0000		135	79 - 127	3.09	20	L5
trans-1,3-Dichloropropene	48.4200	5.0	0.59	50.0000		96.8	80 - 130	1.88	20	
Trichloroethene	50.6300	5.0	0.32	50.0000		101	83 - 126	5.25	20	
Trichlorofluoromethane	56.8900	5.0	1.0	50.0000		114	62 - 143	2.55	20	
Vinyl acetate	20.4700	50	6.0	500.000		4.09	69 - 150	55.1	20	MO
Vinyl chloride	58.0700	5.0	0.92	50.0000		116	69 - 140	1.18	20	
Surrogate: 1,2-Dichloroethane-d4	*52.55*			*50.0000*		*105*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.30*			*50.0000*		*96.6*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.47*			*50.0000*		*103*	*77 - 159*			
Surrogate: Toluene-d8	*50.28*			*50.0000*		*101*	*81 - 128*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0873 - MSVOA_S										
Blank (B2C0873-BLK1)							Prepared: 3/1/2022 Analyzed: 3/1/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0873 - MSVOA_S (continued)										
Blank (B2C0873-BLK1) - Continued						Prepared: 3/1/2022 Analyzed: 3/1/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*51.68*			*50.0000*		*103*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.95*			*50.0000*		*97.9*	*50 - 146*			
Surrogate: Dibromofluoromethane	*48.38*			*50.0000*		*96.8*	*77 - 159*			
Surrogate: Toluene-d8	*49.21*			*50.0000*		*98.4*	*81 - 128*			
LCS (B2C0873-BS1)						Prepared: 3/1/2022 Analyzed: 3/1/2022				
1,1,1,2-Tetrachloroethane	49.0800	5.0	0.52	50.0000		98.2	84 - 123			
1,1,1-Trichloroethane	53.5900	5.0	0.26	50.0000		107	78 - 133			
1,1,2,2-Tetrachloroethane	53.1000	5.0	0.21	50.0000		106	63 - 127			
1,1,2-Trichloroethane	53.4800	5.0	0.40	50.0000		107	80 - 125			
1,1-Dichloroethane	56.2100	5.0	1.4	50.0000		112	77 - 128			
1,1-Dichloroethene	49.2300	5.0	1.9	50.0000		98.5	69 - 138			
1,1-Dichloropropene	50.8500	5.0	0.54	50.0000		102	80 - 133			
1,2,3-Trichloropropane	52.4900	5.0	0.40	50.0000		105	74 - 123			
1,2,3-Trichlorobenzene	52.9600	5.0	0.83	50.0000		106	79 - 133			
1,2,4-Trichlorobenzene	53.2900	5.0	0.80	50.0000		107	73 - 131			
1,2,4-Trimethylbenzene	54.4000	5.0	0.91	50.0000		109	86 - 137			
1,2-Dibromo-3-chloropropane	51.4700	10	1.1	50.0000		103	62 - 127			
1,2-Dibromoethane	52.3900	5.0	0.40	50.0000		105	83 - 126			
1,2-Dichlorobenzene	51.4900	5.0	0.21	50.0000		103	83 - 123			
1,2-Dichloroethane	52.5800	5.0	0.50	50.0000		105	76 - 128			

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0873 - MSVOA_S (continued)										
LCS (B2C0873-BS1) - Continued						Prepared: 3/1/2022 Analyzed: 3/1/2022				
1,2-Dichloropropane	54.8800	5.0	0.46	50.0000		110	77 - 121			
1,3,5-Trimethylbenzene	52.2500	5.0	0.70	50.0000		104	84 - 135			
1,3-Dichlorobenzene	52.5300	5.0	0.36	50.0000		105	81 - 126			
1,3-Dichloropropane	52.9500	5.0	0.49	50.0000		106	80 - 118			
1,4-Dichlorobenzene	52.5600	5.0	0.27	50.0000		105	80 - 124			
2,2-Dichloropropane	53.5300	5.0	0.28	50.0000		107	72 - 135			
2-Chlorotoluene	52.8300	5.0	0.53	50.0000		106	81 - 127			
4-Chlorotoluene	53.5600	5.0	0.40	50.0000		107	83 - 127			
4-Isopropyltoluene	52.7100	5.0	0.81	50.0000		105	82 - 143			
Benzene	52.8800	5.0	0.36	50.0000		106	84 - 123			
Bromobenzene	55.4500	5.0	0.62	50.0000		111	80 - 122			
Bromochloromethane	54.9800	5.0	0.30	50.0000		110	83 - 127			
Bromodichloromethane	53.6600	5.0	0.52	50.0000		107	82 - 123			
Bromoform	48.6600	5.0	1.4	50.0000		97.3	80 - 132			
Bromomethane	64.8700	5.0	2.5	50.0000		130	67 - 176			
Carbon disulfide	50.8600	5.0	0.94	50.0000		102	75 - 138			
Carbon tetrachloride	48.2000	5.0	0.73	50.0000		96.4	76 - 131			
Chlorobenzene	50.9800	5.0	0.42	50.0000		102	84 - 119			
Chloroethane	61.1800	5.0	1.5	50.0000		122	56 - 170			
Chloroform	54.6400	5.0	0.24	50.0000		109	78 - 129			
Chloromethane	60.2200	5.0	1.1	50.0000		120	63 - 141			
cis-1,2-Dichloroethene	44.4600	5.0	0.20	50.0000		88.9	83 - 125			
cis-1,3-Dichloropropene	48.1800	5.0	0.39	50.0000		96.4	76 - 129			
Di-isopropyl ether	59.8900	5.0	1.9	50.0000		120	73 - 132			
Dibromochloromethane	49.7000	5.0	0.81	50.0000		99.4	81 - 120			
Dibromomethane	48.5600	5.0	0.23	50.0000		97.1	79 - 124			
Dichlorodifluoromethane	51.9100	5.0	0.14	50.0000		104	18 - 199			
Ethyl Acetate	13.4800	50	7.0	500.000		2.70	76 - 138			MO
Ethyl Ether	628.840	50	17	500.000		126	74 - 128			
Ethyl tert-butyl ether	54.1200	5.0	0.85	50.0000		108	50 - 175			
Ethylbenzene	51.2500	5.0	0.43	50.0000		102	86 - 130			
Freon-113	59.1100	5.0	1.3	50.0000		118	66 - 132			
Hexachlorobutadiene	51.4600	5.0	0.40	50.0000		103	64 - 135			
Isopropylbenzene	57.0000	5.0	0.79	50.0000		114	80 - 133			
m,p-Xylene	99.4700	10	0.98	100.000		99.5	89 - 133			
Methylene chloride	56.5000	5.0	2.2	50.0000		113	72 - 143			
MTBE	51.7700	5.0	0.81	50.0000		104	73 - 136			
n-Butylbenzene	53.2000	5.0	1.2	50.0000		106	76 - 144			
n-Propylbenzene	53.3500	5.0	0.78	50.0000		107	81 - 136			
Naphthalene	53.0200	5.0	1.1	50.0000		106	64 - 128			
o-Xylene	51.3200	5.0	0.67	50.0000		103	82 - 134			
sec-Butylbenzene	52.9600	5.0	0.63	50.0000		106	81 - 138			
Styrene	50.3100	5.0	0.45	50.0000		101	79 - 152			
tert-Amyl methyl ether	55.2600	5.0	1.1	50.0000		111	48 - 166			
tert-Butanol	210.550	100	11	250.000		84.2	48 - 148			

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0873 - MSVOA_S (continued)										
LCS (B2C0873-BS1) - Continued						Prepared: 3/1/2022 Analyzed: 3/1/2022				
tert-Butylbenzene	51.6800	5.0	0.80	50.0000		103	81 - 135			
Tetrachloroethene	48.9100	5.0	0.31	50.0000		97.8	75 - 127			
Toluene	52.9100	5.0	0.27	50.0000		106	88 - 130			
trans-1,2-Dichloroethene	73.8600	5.0	0.56	50.0000		148	79 - 127			L5
trans-1,3-Dichloropropene	48.1700	5.0	0.59	50.0000		96.3	80 - 130			
Trichloroethene	53.2200	5.0	0.32	50.0000		106	83 - 126			
Trichlorofluoromethane	60.3200	5.0	1.0	50.0000		121	62 - 143			
Vinyl acetate	22.7300	50	6.0	500.000		4.55	69 - 150			MO
Vinyl chloride	63.5700	5.0	0.92	50.0000		127	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*51.78*			*50.0000*		*104*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*49.44*			*50.0000*		*98.9*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.67*			*50.0000*		*103*	*77 - 159*			
Surrogate: Toluene-d8	*49.50*			*50.0000*		*99.0*	*81 - 128*			
LCS Dup (B2C0873-BSD1)						Prepared: 3/1/2022 Analyzed: 3/1/2022				
1,1,1,2-Tetrachloroethane	40.1800	5.0	0.52	50.0000		80.4	84 - 123	19.9	20	L3
1,1,1-Trichloroethane	42.9500	5.0	0.26	50.0000		85.9	78 - 133	22.0	20	R
1,1,2,2-Tetrachloroethane	41.5600	5.0	0.21	50.0000		83.1	63 - 127	24.4	20	R
1,1,2-Trichloroethane	41.5600	5.0	0.40	50.0000		83.1	80 - 125	25.1	20	R
1,1-Dichloroethane	43.6300	5.0	1.4	50.0000		87.3	77 - 128	25.2	20	R
1,1-Dichloroethene	42.3100	5.0	1.9	50.0000		84.6	69 - 138	15.1	20	
1,1-Dichloropropene	43.5400	5.0	0.54	50.0000		87.1	80 - 133	15.5	20	
1,2,3-Trichloropropane	39.6600	5.0	0.40	50.0000		79.3	74 - 123	27.8	20	R
1,2,3-Trichlorobenzene	39.8000	5.0	0.83	50.0000		79.6	79 - 133	28.4	20	R
1,2,4-Trichlorobenzene	42.5400	5.0	0.80	50.0000		85.1	73 - 131	22.4	20	R
1,2,4-Trimethylbenzene	43.2000	5.0	0.91	50.0000		86.4	86 - 137	23.0	20	R
1,2-Dibromo-3-chloropropane	34.8700	10	1.1	50.0000		69.7	62 - 127	38.5	20	R
1,2-Dibromoethane	44.0400	5.0	0.40	50.0000		88.1	83 - 126	17.3	20	
1,2-Dichlorobenzene	38.7100	5.0	0.21	50.0000		77.4	83 - 123	28.3	20	L3, R
1,2-Dichloroethane	42.2000	5.0	0.50	50.0000		84.4	76 - 128	21.9	20	R
1,2-Dichloropropane	41.4900	5.0	0.46	50.0000		83.0	77 - 121	27.8	20	R
1,3,5-Trimethylbenzene	42.0400	5.0	0.70	50.0000		84.1	84 - 135	21.7	20	R
1,3-Dichlorobenzene	39.9700	5.0	0.36	50.0000		79.9	81 - 126	27.2	20	L3, R
1,3-Dichloropropane	42.5400	5.0	0.49	50.0000		85.1	80 - 118	21.8	20	R
1,4-Dichlorobenzene	40.0800	5.0	0.27	50.0000		80.2	80 - 124	26.9	20	R
2,2-Dichloropropane	44.2900	5.0	0.28	50.0000		88.6	72 - 135	18.9	20	
2-Chlorotoluene	41.9500	5.0	0.53	50.0000		83.9	81 - 127	23.0	20	R
4-Chlorotoluene	42.3100	5.0	0.40	50.0000		84.6	83 - 127	23.5	20	R
4-Isopropyltoluene	41.4400	5.0	0.81	50.0000		82.9	82 - 143	23.9	20	R
Benzene	43.4200	5.0	0.36	50.0000		86.8	84 - 123	19.6	20	
Bromobenzene	40.0100	5.0	0.62	50.0000		80.0	80 - 122	32.3	20	R
Bromochloromethane	40.5800	5.0	0.30	50.0000		81.2	83 - 127	30.1	20	L3, R
Bromodichloromethane	40.4000	5.0	0.52	50.0000		80.8	82 - 123	28.2	20	L3, R
Bromoform	38.3400	5.0	1.4	50.0000		76.7	80 - 132	23.7	20	L3, R
Bromomethane	53.2800	5.0	2.5	50.0000		107	67 - 176	19.6	20	

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0873 - MSVOA_S (continued)										
LCS Dup (B2C0873-BSD1) - Continued						Prepared: 3/1/2022 Analyzed: 3/1/2022				
Carbon disulfide	40.3300	5.0	0.94	50.0000		80.7	75 - 138	23.1	20	R
Carbon tetrachloride	38.6800	5.0	0.73	50.0000		77.4	76 - 131	21.9	20	R
Chlorobenzene	39.9500	5.0	0.42	50.0000		79.9	84 - 119	24.3	20	L3, R
Chloroethane	46.8800	5.0	1.5	50.0000		93.8	56 - 170	26.5	20	R
Chloroform	44.0200	5.0	0.24	50.0000		88.0	78 - 129	21.5	20	R
Chloromethane	46.4900	5.0	1.1	50.0000		93.0	63 - 141	25.7	20	R
cis-1,2-Dichloroethene	34.6900	5.0	0.20	50.0000		69.4	83 - 125	24.7	20	L3, R
cis-1,3-Dichloropropene	37.4500	5.0	0.39	50.0000		74.9	76 - 129	25.1	20	L3, R
Di-isopropyl ether	45.7000	5.0	1.9	50.0000		91.4	73 - 132	26.9	20	R
Dibromochloromethane	40.3000	5.0	0.81	50.0000		80.6	81 - 120	20.9	20	L3, R
Dibromomethane	39.6100	5.0	0.23	50.0000		79.2	79 - 124	20.3	20	R
Dichlorodifluoromethane	40.1400	5.0	0.14	50.0000		80.3	18 - 199	25.6	20	R
Ethyl Acetate	11.7100	50	7.0	500.000		2.34	76 - 138	14.1	20	MO
Ethyl Ether	470.550	50	17	500.000		94.1	74 - 128	28.8	20	R
Ethyl tert-butyl ether	42.4700	5.0	0.85	50.0000		84.9	50 - 175	24.1	20	R
Ethylbenzene	42.7800	5.0	0.43	50.0000		85.6	86 - 130	18.0	20	L3
Freon-113	47.9800	5.0	1.3	50.0000		96.0	66 - 132	20.8	20	R
Hexachlorobutadiene	40.2900	5.0	0.40	50.0000		80.6	64 - 135	24.3	20	R
Isopropylbenzene	44.4500	5.0	0.79	50.0000		88.9	80 - 133	24.7	20	R
m,p-Xylene	84.6600	10	0.98	100.000		84.7	89 - 133	16.1	20	L3
Methylene chloride	44.7400	5.0	2.2	50.0000		89.5	72 - 143	23.2	20	R
MTBE	41.9300	5.0	0.81	50.0000		83.9	73 - 136	21.0	20	R
n-Butylbenzene	41.9400	5.0	1.2	50.0000		83.9	76 - 144	23.7	20	R
n-Propylbenzene	42.7700	5.0	0.78	50.0000		85.5	81 - 136	22.0	20	R
Naphthalene	39.9800	5.0	1.1	50.0000		80.0	64 - 128	28.0	20	R
o-Xylene	42.3000	5.0	0.67	50.0000		84.6	82 - 134	19.3	20	
sec-Butylbenzene	41.7100	5.0	0.63	50.0000		83.4	81 - 138	23.8	20	R
Styrene	41.8600	5.0	0.45	50.0000		83.7	79 - 152	18.3	20	
tert-Amyl methyl ether	45.4000	5.0	1.1	50.0000		90.8	48 - 166	19.6	20	
tert-Butanol	172.370	100	11	250.000		68.9	48 - 148	19.9	20	
tert-Butylbenzene	41.3400	5.0	0.80	50.0000		82.7	81 - 135	22.2	20	R
Tetrachloroethene	41.1100	5.0	0.31	50.0000		82.2	75 - 127	17.3	20	
Toluene	42.0800	5.0	0.27	50.0000		84.2	88 - 130	22.8	20	L3, R
trans-1,2-Dichloroethene	59.2500	5.0	0.56	50.0000		118	79 - 127	22.0	20	R
trans-1,3-Dichloropropene	38.7400	5.0	0.59	50.0000		77.5	80 - 130	21.7	20	R
Trichloroethene	42.6000	5.0	0.32	50.0000		85.2	83 - 126	22.2	20	R
Trichlorofluoromethane	46.9200	5.0	1.0	50.0000		93.8	62 - 143	25.0	20	R
Vinyl acetate	19.3600	50	6.0	500.000		3.87	69 - 150	16.0	20	MO
Vinyl chloride	47.3800	5.0	0.92	50.0000		94.8	69 - 140	29.2	20	R
Surrogate: 1,2-Dichloroethane-d4	*47.81*			*50.0000*		*95.6*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.60*			*50.0000*		*101*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.78*			*50.0000*		*104*	*77 - 159*			
Surrogate: Toluene-d8	*49.19*			*50.0000*		*98.4*	*81 - 128*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/04/2022

Semivolatile Organic Compounds by EPA 8270/SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1228 - MSSEMI_S										
Blank (B2B1228-BLK1)						Prepared: 2/28/2022 Analyzed: 3/2/2022				
2-Methylnaphthalene	ND	10	1.2							
Acenaphthene	ND	10	0.81							
Acenaphthylene	ND	10	0.82							
Anthracene	ND	10	1.1							
Benzo(a)anthracene	ND	10	1.1							
Benzo(a)pyrene	ND	10	1.4							
Benzo(b)fluoranthene	ND	10	4.3							
Benzo(g,h,i)perylene	30.2647	10	1.6							B6
Benzo(k)fluoranthene	ND	10	1.4							
Chrysene	ND	10	1.2							
Dibenz(a,h)anthracene	11.0180	10	1.8							B6
Fluoranthene	ND	10	0.90							
Fluorene	ND	10	0.70							
Indeno(1,2,3-cd)pyrene	10.7607	10	1.6							B6
Naphthalene	ND	10	1.1							
Phenanthrene	ND	10	0.68							
Pyrene	ND	10	1.0							
Surrogate: 1,2-Dichlorobenzene-d4	*48.53*			*66.6667*		*72.8*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*54.63*			*66.6667*		*81.9*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*34.10*			*66.6667*		*51.1*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*76.24*			*66.6667*		*114*	*16 - 152*			
LCS (B2B1228-BS1)						Prepared: 2/28/2022 Analyzed: 3/2/2022				
2-Methylnaphthalene	42.0460	10	1.2	66.6667		63.1	39 - 92			
Acenaphthene	50.1860	10	0.81	66.6667		75.3	35 - 94			
Acenaphthylene	57.4440	10	0.82	66.6667		86.2	31 - 101			
Anthracene	50.2387	10	1.1	66.6667		75.4	37 - 95			
Benzo(a)anthracene	48.5093	10	1.1	66.6667		72.8	43 - 102			
Benzo(a)pyrene	59.6273	10	1.4	66.6667		89.4	38 - 95			
Benzo(b)fluoranthene	53.3313	10	4.3	66.6667		80.0	44 - 102			
Benzo(g,h,i)perylene	52.6527	10	1.6	66.6667		79.0	34 - 114			B
Benzo(k)fluoranthene	56.7393	10	1.4	66.6667		85.1	34 - 110			
Chrysene	61.6220	10	1.2	66.6667		92.4	46 - 101			
Dibenz(a,h)anthracene	42.4133	10	1.8	66.6667		63.6	35 - 117			B
Fluoranthene	56.0393	10	0.90	66.6667		84.1	46 - 107			
Fluorene	49.1293	10	0.70	66.6667		73.7	35 - 98			
Indeno(1,2,3-cd)pyrene	43.9560	10	1.6	66.6667		65.9	35 - 114			B
Naphthalene	46.2367	10	1.1	66.6667		69.4	39 - 86			
Phenanthrene	55.1220	10	0.68	66.6667		82.7	43 - 98			
Pyrene	57.0473	10	1.0	66.6667		85.6	44 - 108			
Surrogate: 1,2-Dichlorobenzene-d4	*49.75*			*66.6667*		*74.6*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*54.91*			*66.6667*		*82.4*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*45.97*			*66.6667*		*69.0*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*66.61*			*66.6667*		*99.9*	*16 - 152*			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/04/2022

Semivolatile Organic Compounds by EPA 8270/SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1228 - MSSEMI_S (continued)										
Matrix Spike (B2B1228-MS1)			**Source: 2200233-12**			Prepared: 2/28/2022 Analyzed: 3/2/2022				
2-Methylnaphthalene	41.6133	10	1.2	66.6667	ND	62.4	43 - 120			
Acenaphthene	57.6813	10	0.81	66.6667	ND	86.5	52 - 113			
Acenaphthylene	61.3140	10	0.82	66.6667	ND	92.0	44 - 126			
Anthracene	53.4680	10	1.1	66.6667	ND	80.2	49 - 128			
Benzo(a)anthracene	54.2433	10	1.1	66.6667	ND	81.4	32 - 158			
Benzo(a)pyrene	64.9887	10	1.4	66.6667	ND	97.5	39 - 137			
Benzo(b)fluoranthene	58.1153	10	4.3	66.6667	ND	87.2	52 - 132			
Benzo(g,h,i)perylene	57.4273	10	1.6	66.6667	ND	86.1	35 - 162			B
Benzo(k)fluoranthene	62.4247	10	1.4	66.6667	ND	93.6	18 - 153			
Chrysene	67.6787	10	1.2	66.6667	ND	102	25 - 160			
Dibenz(a,h)anthracene	54.6947	10	1.8	66.6667	ND	82.0	41 - 155			B
Fluoranthene	60.8753	10	0.90	66.6667	ND	91.3	5 - 185			
Fluorene	56.8693	10	0.70	66.6667	ND	85.3	28 - 135			
Indeno(1,2,3-cd)pyrene	54.2987	10	1.6	66.6667	ND	81.4	36 - 162			B
Naphthalene	42.6093	10	1.1	66.6667	ND	63.9	41 - 113			
Phenanthrene	56.9680	10	0.68	66.6667	ND	85.5	35 - 143			
Pyrene	60.6407	10	1.0	66.6667	ND	91.0	10 - 184			
Surrogate: 1,2-Dichlorobenzene-d4	*39.80*			*66.6667*		*59.7*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*52.03*			*66.6667*		*78.0*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*37.21*			*66.6667*		*55.8*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*71.94*			*66.6667*		*108*	*16 - 152*			
Matrix Spike Dup (B2B1228-MSD1)			**Source: 2200233-12**			Prepared: 2/28/2022 Analyzed: 3/2/2022				
2-Methylnaphthalene	38.8313	10	1.2	66.6667	ND	58.2	43 - 120	6.92	20	
Acenaphthene	53.1460	10	0.81	66.6667	ND	79.7	52 - 113	8.18	20	
Acenaphthylene	59.0060	10	0.82	66.6667	ND	88.5	44 - 126	3.84	20	
Anthracene	54.5107	10	1.1	66.6667	ND	81.8	49 - 128	1.93	20	
Benzo(a)anthracene	52.8400	10	1.1	66.6667	ND	79.3	32 - 158	2.62	20	
Benzo(a)pyrene	64.4647	10	1.4	66.6667	ND	96.7	39 - 137	0.810	20	
Benzo(b)fluoranthene	61.3273	10	4.3	66.6667	ND	92.0	52 - 132	5.38	20	
Benzo(g,h,i)perylene	55.5040	10	1.6	66.6667	ND	83.3	35 - 162	3.41	20	B
Benzo(k)fluoranthene	63.5787	10	1.4	66.6667	ND	95.4	18 - 153	1.83	20	
Chrysene	67.2653	10	1.2	66.6667	ND	101	25 - 160	0.613	20	
Dibenz(a,h)anthracene	46.3647	10	1.8	66.6667	ND	69.5	41 - 155	16.5	20	B
Fluoranthene	60.0587	10	0.90	66.6667	ND	90.1	5 - 185	1.35	20	
Fluorene	54.8087	10	0.70	66.6667	ND	82.2	28 - 135	3.69	20	
Indeno(1,2,3-cd)pyrene	51.5480	10	1.6	66.6667	ND	77.3	36 - 162	5.20	20	B
Naphthalene	41.8033	10	1.1	66.6667	ND	62.7	41 - 113	1.91	20	
Phenanthrene	57.9207	10	0.68	66.6667	ND	86.9	35 - 143	1.66	20	
Pyrene	62.6687	10	1.0	66.6667	ND	94.0	10 - 184	3.29	20	
Surrogate: 1,2-Dichlorobenzene-d4	*39.44*			*66.6667*		*59.2*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*51.29*			*66.6667*		*76.9*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*36.06*			*66.6667*		*54.1*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*68.45*			*66.6667*		*103*	*16 - 152*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 2/23/22
Page 1 of 2

2200233

2.8°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) Tian Nguyen / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	61C-4-1-1	2/23/22	0925	Soil	1				X									
2	61C-4-1-5		0955		5				X	X	X	X						
3	61C-4-3-1		1023		1				X									
4	61C-4-3-5.5		1035		5					X	X	X						
5	61C-4-2-1.5		1124		1				X									
6	61C-4-2-5.5		1135		5					X	X	X						
7	61C-4-4-1		1215		1				X									
8	61C-4-4-5.5		1228		5					X	X	X						
9	61C-4-5-1		1250		1				X									
10	61C-4-5-5.5		1300		5					X	X	X						
11	61C-8-1-1		1318		1				X									
12	61C-8-1-5.5		1344		5					X	X	X	X					
13	61C-8-2-1		1410		1				X									
14 (TN)	61C-8-2-5.5		1430		5					X	X	X	X					
	~~61C-8~~																	

Relinquished by: (Signature) Tian Nguyen	Received by: (Signature)	Date: 2/23/22	Time: 1645
Relinquished by: (Signature)	Received by: (Signature) Ethan Tran	Date: 2/23/22	Time: 1805
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 2/23/22

2200233

2.8°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tian Navin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR
☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
15	TB-20220223	2/23/22	1457	water	4					X								X

Relinquished by: (Signature) Tian Navin	Received by: (Signature)	Date: 2/23/22	Time: 1645
Relinquished by: (Signature)	Received by: (Signature) ATL Ethan Tran	Date: 2/23/22	Time: 1805
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 07, 2022

Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

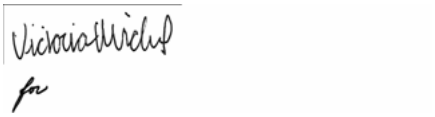
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200246
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on February 24, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,



Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 03/07/22 09:19 on Behalf of



Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.		Project Number :	Ontario Airport / 5925
19200 Von Karman Ave., Suite 800		Report To :	Josh Voss
Irvine , CA 92612		Reported :	03/07/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61C-8-3-1	2200246-01	Soil	2/24/22 8:00	2/24/22 17:50
61C-8-3-5.5	2200246-02	Soil	2/24/22 8:15	2/24/22 17:50
61C-8-4-1	2200246-03	Soil	2/24/22 8:38	2/24/22 17:50
61C-8-4-5.5	2200246-04	Soil	2/24/22 8:48	2/24/22 17:50
61C-8-5-1	2200246-05	Soil	2/24/22 9:38	2/24/22 17:50
61C-8-5-5.5	2200246-06	Soil	2/24/22 9:50	2/24/22 17:50
61C-8-6-SV10-1	2200246-07	Soil	2/24/22 10:20	2/24/22 17:50
61C-8-6-SV10-5.5	2200246-08	Soil	2/24/22 10:30	2/24/22 17:50
SV-9-1	2200246-09	Soil	2/24/22 12:05	2/24/22 17:50
SV-9-5.5	2200246-10	Soil	2/24/22 12:25	2/24/22 17:50
SV-9-15	2200246-11	Soil	2/24/22 12:28	2/24/22 17:50
SV-3-1	2200246-12	Soil	2/24/22 13:38	2/24/22 17:50
SV-3-5.5	2200246-13	Soil	2/24/22 13:48	2/24/22 17:50
SV-3-13	2200246-14	Soil	2/24/22 14:05	2/24/22 17:50

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: JF**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200246-01	61C-8-3-1	**ND**	mg/kg	0.10	1	B2B1223	02/28/2022	03/01/22 11:11	
2200246-03	61C-8-4-1	**ND**	mg/kg	0.10	1	B2B1223	02/28/2022	03/01/22 11:31	
2200246-05	61C-8-5-1	**ND**	mg/kg	0.10	1	B2B1223	02/28/2022	03/01/22 11:34	
2200246-07	61C-8-6-SV10-1	**ND**	mg/kg	0.10	1	B2B1223	02/28/2022	03/01/22 11:39	
2200246-09	SV-9-1	**ND**	mg/kg	0.10	1	B2B1223	02/28/2022	03/01/22 11:42	
2200246-12	SV-3-1	**ND**	mg/kg	0.10	1	B2B1223	02/28/2022	03/01/22 11:51	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-3-1
Lab ID: 2200246-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Barium	**82**	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Beryllium	**2.7**	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Chromium	**13**	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Cobalt	**4.8**	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Copper	**12**	2.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Lead	**2.3**	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Nickel	**5.1**	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Selenium	**1.4**	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Silver	**5.4**	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Vanadium	**33**	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Zinc	**32**	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-3-5.5
Lab ID: 2200246-02

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.95	1	B2B1221	03/02/2022	03/02/22 00:16	
C4-C12	ND	0.95	1	B2B1221	03/02/2022	03/02/22 00:16	
C6-C12	ND	0.95	1	B2B1221	03/02/2022	03/02/22 00:16	
Surrogate: 4-Bromofluorobenzene	*82.6 %*	*47.6 - 121.18*		B2B1221	03/02/2022	*03/02/22 00:16*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/25/22 23:09	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/25/22 23:09	
Surrogate: p-Terphenyl	*105 %*	*62 - 141*		B2B1211	02/25/2022	*02/25/22 23:09*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,1,1-Trichloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,1,2-Trichloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,1-Dichloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,1-Dichloroethene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,1-Dichloropropene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2,3-Trichloropropane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2,3-Trichlorobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2,4-Trichlorobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2,4-Trimethylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2-Dibromo-3-chloropropane	ND	9.7	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2-Dibromoethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2-Dichlorobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2-Dichloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2-Dichloropropane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,3,5-Trimethylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,3-Dichlorobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,3-Dichloropropane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,4-Dichlorobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
2,2-Dichloropropane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
2-Chlorotoluene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
4-Chlorotoluene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
4-Isopropyltoluene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-3-5.5
Lab ID: 2200246-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Bromobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Bromochloromethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Bromodichloromethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Bromoform	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Bromomethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Carbon disulfide	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Carbon tetrachloride	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Chlorobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Chloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Chloroform	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Chloromethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
cis-1,2-Dichloroethene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
cis-1,3-Dichloropropene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Di-isopropyl ether	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Dibromochloromethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Dibromomethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Dichlorodifluoromethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Ethyl Acetate	ND	49	1	B2B1213	02/25/2022	02/25/22 23:28	
Ethyl Ether	ND	49	1	B2B1213	02/25/2022	02/25/22 23:28	
Ethyl tert-butyl ether	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Ethylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Freon-113	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Hexachlorobutadiene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Isopropylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
m,p-Xylene	ND	9.7	1	B2B1213	02/25/2022	02/25/22 23:28	
Methylene chloride	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
MTBE	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
n-Butylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
n-Propylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Naphthalene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
o-Xylene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
sec-Butylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Styrene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
tert-Amyl methyl ether	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
tert-Butanol	ND	97	1	B2B1213	02/25/2022	02/25/22 23:28	
tert-Butylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Tetrachloroethene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Toluene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
trans-1,2-Dichloroethene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
trans-1,3-Dichloropropene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-3-5.5
Lab ID: 2200246-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Trichlorofluoromethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Vinyl acetate	ND	49	1	B2B1213	02/25/2022	02/25/22 23:28	
Vinyl chloride	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Surrogate: 1,2-Dichloroethane-d4	*98.9 %*	*66 - 200*		B2B1213	02/25/2022	*02/25/22 23:28*	
Surrogate: 4-Bromofluorobenzene	*94.7 %*	*50 - 146*		B2B1213	02/25/2022	*02/25/22 23:28*	
Surrogate: Dibromofluoromethane	*103 %*	*77 - 159*		B2B1213	02/25/2022	*02/25/22 23:28*	
Surrogate: Toluene-d8	*96.9 %*	*81 - 128*		B2B1213	02/25/2022	*02/25/22 23:28*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
1,2-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
1,3-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
1,4-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2,4,5-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2,4,6-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2,4-Dichlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
2,4-Dimethylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2,4-Dinitrophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
2,4-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2,6-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2-Chloronaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2-Chlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2-Methylnaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
2-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
3,3´-Dichlorobenzidine	ND	330	1	B2B1235	02/28/2022	03/02/22 19:37	
3-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
4,6-Dinitro-2-methyphenol	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Bromophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Chloro-3-methylphenol	ND	330	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Chloroaniline	ND	330	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Chlorophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Acenaphthene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-3-5.5
Lab ID: 2200246-02

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthylene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzidine (M)	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzo(a)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzo(a)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzo(b)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzo(g,h,i)perylene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzo(k)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzoic acid	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzyl alcohol	ND	330	1	B2B1235	02/28/2022	03/02/22 19:37	
bis(2-chloroethoxy)methane	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
bis(2-Chloroethyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
bis(2-chloroisopropyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
bis(2-ethylhexyl)phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Butylbenzylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Chrysene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Di-n-butylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Di-n-octylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Dibenz(a,h)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Dibenzofuran	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Diethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Dimethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Fluorene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Hexachlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Hexachlorobutadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 19:37	
Hexachlorocyclopentadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 19:37	
Hexachloroethane	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Indeno(1,2,3-cd)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Isophorone	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
N-Nitroso-di-n propylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
N-Nitrosodiphenylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Naphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Nitrobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Pentachlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
Phenanthrene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Phenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Pyridine	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
Surrogate: 1,2-Dichlorobenzene-d4	*67.7 %*	*23 - 102*		B2B1235	02/28/2022	*03/02/22 19:37*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-3-5.5
Lab ID: 2200246-02

Semivolatile Organic Compounds by EPA 8270C — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2,4,6-Tribromophenol	*61.5 %*	*3 - 138*		B2B1235	02/28/2022	*03/02/22 19:37*	
Surrogate: 2-Chlorophenol-d4	*68.9 %*	*18 - 105*		B2B1235	02/28/2022	*03/02/22 19:37*	
Surrogate: 2-Fluorobiphenyl	*74.2 %*	*34 - 106*		B2B1235	02/28/2022	*03/02/22 19:37*	
Surrogate: 2-Fluorophenol	*58.5 %*	*16 - 94*		B2B1235	02/28/2022	*03/02/22 19:37*	
Surrogate: 4-Terphenyl-d14	*103 %*	*31 - 130*		B2B1235	02/28/2022	*03/02/22 19:37*	
Surrogate: Nitrobenzene-d5	*55.9 %*	*23 - 102*		B2B1235	02/28/2022	*03/02/22 19:37*	
Surrogate: Phenol-d6	*65.2 %*	*14 - 104*		B2B1235	02/28/2022	*03/02/22 19:37*	

Client Sample ID: 61C-8-4-1
Lab ID: 2200246-03

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Barium	**100**	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Beryllium	**3.4**	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Chromium	**22**	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Cobalt	**6.0**	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Copper	**11**	2.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Lead	**2.7**	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Nickel	**6.3**	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Selenium	**2.1**	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Silver	**7.0**	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Vanadium	**39**	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Zinc	**80**	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-4-5.5
Lab ID: 2200246-04

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.78	1	B2B1221	03/02/2022	03/02/22 00:41	
C4-C12	ND	0.78	1	B2B1221	03/02/2022	03/02/22 00:41	
C6-C12	ND	0.78	1	B2B1221	03/02/2022	03/02/22 00:41	
Surrogate: 4-Bromofluorobenzene	*84.6 %*	*47.6 - 121.18*		B2B1221	03/02/2022	*03/02/22 00:41*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/25/22 23:31	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/25/22 23:31	
Surrogate: p-Terphenyl	*94.3 %*	*62 - 141*		B2B1211	02/25/2022	*02/25/22 23:31*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,1,1-Trichloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,1,2-Trichloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,1-Dichloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,1-Dichloroethene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,1-Dichloropropene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2,3-Trichloropropane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2,3-Trichlorobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2,4-Trichlorobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2,4-Trimethylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2-Dibromoethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2-Dichlorobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2-Dichloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2-Dichloropropane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,3,5-Trimethylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,3-Dichlorobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,3-Dichloropropane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,4-Dichlorobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
2,2-Dichloropropane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
2-Chlorotoluene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
4-Chlorotoluene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
4-Isopropyltoluene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-4-5.5
Lab ID: 2200246-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Bromobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Bromochloromethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Bromodichloromethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Bromoform	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Bromomethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Carbon disulfide	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Carbon tetrachloride	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Chlorobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Chloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Chloroform	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Chloromethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
cis-1,2-Dichloroethene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
cis-1,3-Dichloropropene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Di-isopropyl ether	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Dibromochloromethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Dibromomethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Dichlorodifluoromethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Ethyl Acetate	ND	41	1	B2B1213	02/25/2022	02/25/22 23:53	
Ethyl Ether	ND	41	1	B2B1213	02/25/2022	02/25/22 23:53	
Ethyl tert-butyl ether	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Ethylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Freon-113	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Hexachlorobutadiene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Isopropylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
m,p-Xylene	ND	8.2	1	B2B1213	02/25/2022	02/25/22 23:53	
Methylene chloride	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
MTBE	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
n-Butylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
n-Propylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Naphthalene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
o-Xylene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
sec-Butylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Styrene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
tert-Amyl methyl ether	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
tert-Butanol	ND	82	1	B2B1213	02/25/2022	02/25/22 23:53	
tert-Butylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Tetrachloroethene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Toluene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
trans-1,2-Dichloroethene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
trans-1,3-Dichloropropene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-4-5.5
Lab ID: 2200246-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Trichlorofluoromethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Vinyl acetate	ND	41	1	B2B1213	02/25/2022	02/25/22 23:53	
Vinyl chloride	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Surrogate: 1,2-Dichloroethane-d4	*121 %*	*66 - 200*		B2B1213	02/25/2022	*02/25/22 23:53*	
Surrogate: 4-Bromofluorobenzene	*95.7 %*	*50 - 146*		B2B1213	02/25/2022	*02/25/22 23:53*	
Surrogate: Dibromofluoromethane	*107 %*	*77 - 159*		B2B1213	02/25/2022	*02/25/22 23:53*	
Surrogate: Toluene-d8	*101 %*	*81 - 128*		B2B1213	02/25/2022	*02/25/22 23:53*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
1,2-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
1,3-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
1,4-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2,4,5-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2,4,6-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2,4-Dichlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
2,4-Dimethylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2,4-Dinitrophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
2,4-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2,6-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2-Chloronaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2-Chlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2-Methylnaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
2-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
3,3′-Dichlorobenzidine	ND	330	1	B2B1235	02/28/2022	03/02/22 20:03	
3-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
4,6-Dinitro-2-methyphenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Bromophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Chloro-3-methylphenol	ND	330	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Chloroaniline	ND	330	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Chlorophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Acenaphthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-4-5.5
Lab ID: 2200246-04

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthylene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzidine (M)	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzo(a)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzo(a)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzo(b)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzo(g,h,i)perylene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzo(k)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzoic acid	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzyl alcohol	ND	330	1	B2B1235	02/28/2022	03/02/22 20:03	
bis(2-chloroethoxy)methane	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
bis(2-Chloroethyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
bis(2-chloroisopropyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
bis(2-ethylhexyl)phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Butylbenzylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Chrysene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Di-n-butylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Di-n-octylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Dibenz(a,h)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Dibenzofuran	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Diethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Dimethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Fluorene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Hexachlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Hexachlorobutadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 20:03	
Hexachlorocyclopentadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 20:03	
Hexachloroethane	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Indeno(1,2,3-cd)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Isophorone	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
N-Nitroso-di-n propylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
N-Nitrosodiphenylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Naphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Nitrobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Pentachlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
Phenanthrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Phenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Pyridine	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
Surrogate: 1,2-Dichlorobenzene-d4	*65.1 %*	*23 - 102*		B2B1235	02/28/2022	*03/02/22 20:03*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-4-5.5
Lab ID: 2200246-04

Semivolatile Organic Compounds by EPA 8270C — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2,4,6-Tribromophenol	*55.2 %*	*3 - 138*		B2B1235	02/28/2022	*03/02/22 20:03*	
Surrogate: 2-Chlorophenol-d4	*65.6 %*	*18 - 105*		B2B1235	02/28/2022	*03/02/22 20:03*	
Surrogate: 2-Fluorobiphenyl	*71.4 %*	*34 - 106*		B2B1235	02/28/2022	*03/02/22 20:03*	
Surrogate: 2-Fluorophenol	*56.5 %*	*16 - 94*		B2B1235	02/28/2022	*03/02/22 20:03*	
Surrogate: 4-Terphenyl-d14	*96.8 %*	*31 - 130*		B2B1235	02/28/2022	*03/02/22 20:03*	
Surrogate: Nitrobenzene-d5	*55.6 %*	*23 - 102*		B2B1235	02/28/2022	*03/02/22 20:03*	
Surrogate: Phenol-d6	*60.4 %*	*14 - 104*		B2B1235	02/28/2022	*03/02/22 20:03*	

Client Sample ID: 61C-8-5-1
Lab ID: 2200246-05

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Barium	**91**	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Beryllium	**3.0**	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Chromium	**15**	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Cobalt	**5.2**	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Copper	**10**	2.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Lead	**2.2**	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Nickel	**5.7**	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Selenium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Silver	**6.1**	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Vanadium	**33**	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Zinc	**35**	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-5-5.5
Lab ID: 2200246-06

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.86	1	B2B1221	03/02/2022	03/02/22 01:05	
C4-C12	ND	0.86	1	B2B1221	03/02/2022	03/02/22 01:05	
C6-C12	ND	0.86	1	B2B1221	03/02/2022	03/02/22 01:05	
Surrogate: 4-Bromofluorobenzene	*84.5 %*	*47.6 - 121.18*		B2B1221	03/02/2022	*03/02/22 01:05*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/25/22 23:52	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/25/22 23:52	
Surrogate: p-Terphenyl	*89.5 %*	*62 - 141*		B2B1211	02/25/2022	*02/25/22 23:52*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,1,1-Trichloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,1,2,2-Tetrachloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,1,2-Trichloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,1-Dichloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,1-Dichloroethene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,1-Dichloropropene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2,3-Trichloropropane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2,3-Trichlorobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2,4-Trichlorobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2,4-Trimethylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2-Dibromo-3-chloropropane	ND	8.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2-Dibromoethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2-Dichlorobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2-Dichloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2-Dichloropropane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,3,5-Trimethylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,3-Dichlorobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,3-Dichloropropane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,4-Dichlorobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
2,2-Dichloropropane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
2-Chlorotoluene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
4-Chlorotoluene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
4-Isopropyltoluene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-5-5.5

Lab ID: 2200246-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Bromobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Bromochloromethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Bromodichloromethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Bromoform	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Bromomethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Carbon disulfide	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Carbon tetrachloride	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Chlorobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Chloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Chloroform	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Chloromethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
cis-1,2-Dichloroethene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
cis-1,3-Dichloropropene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Di-isopropyl ether	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Dibromochloromethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Dibromomethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Dichlorodifluoromethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Ethyl Acetate	ND	40	1	B2B1213	02/26/2022	02/26/22 00:19	
Ethyl Ether	ND	40	1	B2B1213	02/26/2022	02/26/22 00:19	
Ethyl tert-butyl ether	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Ethylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Freon-113	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Hexachlorobutadiene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Isopropylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
m,p-Xylene	ND	8.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Methylene chloride	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
MTBE	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
n-Butylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
n-Propylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Naphthalene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
o-Xylene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
sec-Butylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Styrene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
tert-Amyl methyl ether	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
tert-Butanol	ND	80	1	B2B1213	02/26/2022	02/26/22 00:19	
tert-Butylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Tetrachloroethene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Toluene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
trans-1,2-Dichloroethene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
trans-1,3-Dichloropropene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-5-5.5
Lab ID: 2200246-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Trichlorofluoromethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Vinyl acetate	ND	40	1	B2B1213	02/26/2022	02/26/22 00:19	
Vinyl chloride	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Surrogate: 1,2-Dichloroethane-d4	*117 %*	*66 - 200*		B2B1213	02/26/2022	*02/26/22 00:19*	
Surrogate: 4-Bromofluorobenzene	*93.2 %*	*50 - 146*		B2B1213	02/26/2022	*02/26/22 00:19*	
Surrogate: Dibromofluoromethane	*105 %*	*77 - 159*		B2B1213	02/26/2022	*02/26/22 00:19*	
Surrogate: Toluene-d8	*99.6 %*	*81 - 128*		B2B1213	02/26/2022	*02/26/22 00:19*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
1,2-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
1,3-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
1,4-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2,4,5-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2,4,6-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2,4-Dichlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
2,4-Dimethylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2,4-Dinitrophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
2,4-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2,6-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2-Chloronaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2-Chlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2-Methylnaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
2-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
3,3′-Dichlorobenzidine	ND	330	1	B2B1235	02/28/2022	03/02/22 20:30	
3-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
4,6-Dinitro-2-methyphenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Bromophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Chloro-3-methylphenol	ND	330	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Chloroaniline	ND	330	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Chlorophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Acenaphthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-5-5.5
Lab ID: 2200246-06

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthylene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzidine (M)	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzo(a)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzo(a)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzo(b)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzo(g,h,i)perylene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzo(k)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzoic acid	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzyl alcohol	ND	330	1	B2B1235	02/28/2022	03/02/22 20:30	
bis(2-chloroethoxy)methane	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
bis(2-Chloroethyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
bis(2-chloroisopropyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
bis(2-ethylhexyl)phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Butylbenzylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Chrysene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Di-n-butylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Di-n-octylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Dibenz(a,h)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Dibenzofuran	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Diethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Dimethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Fluorene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Hexachlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Hexachlorobutadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 20:30	
Hexachlorocyclopentadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 20:30	
Hexachloroethane	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Indeno(1,2,3-cd)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Isophorone	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
N-Nitroso-di-n propylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
N-Nitrosodiphenylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Naphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Nitrobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Pentachlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
Phenanthrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Phenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Pyridine	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
Surrogate: 1,2-Dichlorobenzene-d4	*63.5 %*	*23 - 102*		B2B1235	02/28/2022	*03/02/22 20:30*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-5-5.5
Lab ID: 2200246-06

Semivolatile Organic Compounds by EPA 8270C — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2,4,6-Tribromophenol	*54.6 %*	*3 - 138*		B2B1235	02/28/2022	*03/02/22 20:30*	
Surrogate: 2-Chlorophenol-d4	*63.6 %*	*18 - 105*		B2B1235	02/28/2022	*03/02/22 20:30*	
Surrogate: 2-Fluorobiphenyl	*65.5 %*	*34 - 106*		B2B1235	02/28/2022	*03/02/22 20:30*	
Surrogate: 2-Fluorophenol	*54.7 %*	*16 - 94*		B2B1235	02/28/2022	*03/02/22 20:30*	
Surrogate: 4-Terphenyl-d14	*95.6 %*	*31 - 130*		B2B1235	02/28/2022	*03/02/22 20:30*	
Surrogate: Nitrobenzene-d5	*62.6 %*	*23 - 102*		B2B1235	02/28/2022	*03/02/22 20:30*	
Surrogate: Phenol-d6	*54.3 %*	*14 - 104*		B2B1235	02/28/2022	*03/02/22 20:30*	

Client Sample ID: 61C-8-6-SV10-1
Lab ID: 2200246-07

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Barium	**74**	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Beryllium	**2.4**	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Chromium	**13**	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Cobalt	**4.4**	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Copper	**8.6**	2.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Lead	**2.7**	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Nickel	**5.0**	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Selenium	**1.2**	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Silver	**4.8**	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Vanadium	**30**	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Zinc	**29**	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-6-SV10-5.5
Lab ID: 2200246-08

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.75	1	B2B1221	03/02/2022	03/02/22 01:30	
C4-C12	ND	0.75	1	B2B1221	03/02/2022	03/02/22 01:30	
C6-C12	ND	0.75	1	B2B1221	03/02/2022	03/02/22 01:30	
Surrogate: 4-Bromofluorobenzene	*85.6 %*	*47.6 - 121.18*		B2B1221	03/02/2022	*03/02/22 01:30*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/26/22 00:14	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/26/22 00:14	
Surrogate: p-Terphenyl	*88.9 %*	*62 - 141*		B2B1211	02/25/2022	*02/26/22 00:14*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,1,1-Trichloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,1,2,2-Tetrachloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,1,2-Trichloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,1-Dichloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,1-Dichloroethene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,1-Dichloropropene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2,3-Trichloropropane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2,3-Trichlorobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2,4-Trichlorobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2,4-Trimethylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2-Dibromo-3-chloropropane	ND	7.6	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2-Dibromoethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2-Dichlorobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2-Dichloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2-Dichloropropane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,3,5-Trimethylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,3-Dichlorobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,3-Dichloropropane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,4-Dichlorobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
2,2-Dichloropropane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
2-Chlorotoluene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
4-Chlorotoluene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
4-Isopropyltoluene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-6-SV10-5.5
Lab ID: 2200246-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Bromobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Bromochloromethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Bromodichloromethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Bromoform	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Bromomethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Carbon disulfide	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Carbon tetrachloride	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Chlorobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Chloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Chloroform	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Chloromethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
cis-1,2-Dichloroethene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
cis-1,3-Dichloropropene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Di-isopropyl ether	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Dibromochloromethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Dibromomethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Dichlorodifluoromethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Ethyl Acetate	ND	38	1	B2B1213	02/26/2022	02/26/22 00:45	
Ethyl Ether	ND	38	1	B2B1213	02/26/2022	02/26/22 00:45	
Ethyl tert-butyl ether	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Ethylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Freon-113	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Hexachlorobutadiene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Isopropylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
m,p-Xylene	ND	7.6	1	B2B1213	02/26/2022	02/26/22 00:45	
Methylene chloride	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
MTBE	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
n-Butylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
n-Propylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Naphthalene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
o-Xylene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
sec-Butylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Styrene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
tert-Amyl methyl ether	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
tert-Butanol	ND	76	1	B2B1213	02/26/2022	02/26/22 00:45	
tert-Butylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Tetrachloroethene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Toluene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
trans-1,2-Dichloroethene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
trans-1,3-Dichloropropene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-6-SV10-5.5
Lab ID: 2200246-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Trichlorofluoromethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Vinyl acetate	ND	38	1	B2B1213	02/26/2022	02/26/22 00:45	
Vinyl chloride	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*66 - 200*		B2B1213	02/26/2022	*02/26/22 00:45*	
Surrogate: 4-Bromofluorobenzene	*90.8 %*	*50 - 146*		B2B1213	02/26/2022	*02/26/22 00:45*	
Surrogate: Dibromofluoromethane	*104 %*	*77 - 159*		B2B1213	02/26/2022	*02/26/22 00:45*	
Surrogate: Toluene-d8	*114 %*	*81 - 128*		B2B1213	02/26/2022	*02/26/22 00:45*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
1,2-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
1,3-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
1,4-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2,4,5-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2,4,6-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2,4-Dichlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
2,4-Dimethylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2,4-Dinitrophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
2,4-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2,6-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2-Chloronaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2-Chlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2-Methylnaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
2-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
3,3′-Dichlorobenzidine	ND	330	1	B2B1235	02/28/2022	03/02/22 20:56	
3-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
4,6-Dinitro-2-methyphenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Bromophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Chloro-3-methylphenol	ND	330	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Chloroaniline	ND	330	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Chlorophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Acenaphthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-6-SV10-5.5
Lab ID: 2200246-08

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthylene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzidine (M)	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzo(a)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzo(a)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzo(b)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzo(g,h,i)perylene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzo(k)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzoic acid	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzyl alcohol	ND	330	1	B2B1235	02/28/2022	03/02/22 20:56	
bis(2-chloroethoxy)methane	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
bis(2-Chloroethyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
bis(2-chloroisopropyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
bis(2-ethylhexyl)phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Butylbenzylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Chrysene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Di-n-butylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Di-n-octylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Dibenz(a,h)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Dibenzofuran	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Diethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Dimethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Fluorene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Hexachlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Hexachlorobutadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 20:56	
Hexachlorocyclopentadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 20:56	
Hexachloroethane	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Indeno(1,2,3-cd)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Isophorone	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
N-Nitroso-di-n propylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
N-Nitrosodiphenylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Naphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Nitrobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Pentachlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
Phenanthrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Phenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Pyridine	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
Surrogate: 1,2-Dichlorobenzene-d4	*59.9 %*	*23 - 102*		B2B1235	02/28/2022	*03/02/22 20:56*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: 61C-8-6-SV10-5.5
Lab ID: 2200246-08

Semivolatile Organic Compounds by EPA 8270C — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2,4,6-Tribromophenol	*49.3 %*	*3 - 138*		B2B1235	02/28/2022	*03/02/22 20:56*	
Surrogate: 2-Chlorophenol-d4	*61.4 %*	*18 - 105*		B2B1235	02/28/2022	*03/02/22 20:56*	
Surrogate: 2-Fluorobiphenyl	*64.1 %*	*34 - 106*		B2B1235	02/28/2022	*03/02/22 20:56*	
Surrogate: 2-Fluorophenol	*53.2 %*	*16 - 94*		B2B1235	02/28/2022	*03/02/22 20:56*	
Surrogate: 4-Terphenyl-d14	*86.9 %*	*31 - 130*		B2B1235	02/28/2022	*03/02/22 20:56*	
Surrogate: Nitrobenzene-d5	*51.7 %*	*23 - 102*		B2B1235	02/28/2022	*03/02/22 20:56*	
Surrogate: Phenol-d6	*57.2 %*	*14 - 104*		B2B1235	02/28/2022	*03/02/22 20:56*	

Client Sample ID: SV-9-1
Lab ID: 2200246-09

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Barium	**78**	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Beryllium	**2.5**	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Chromium	**12**	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Cobalt	**4.4**	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Copper	**8.8**	2.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Lead	**2.5**	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Nickel	**5.5**	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Selenium	**2.0**	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Silver	**4.7**	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Vanadium	**30**	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Zinc	**30**	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: SV-9-5.5
Lab ID: 2200246-10

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.86	1	B2B1221	03/02/2022	03/02/22 01:54	
C4-C12	ND	0.86	1	B2B1221	03/02/2022	03/02/22 01:54	
C6-C12	ND	0.86	1	B2B1221	03/02/2022	03/02/22 01:54	
Surrogate: 4-Bromofluorobenzene	*85.5 %*	*47.6 - 121.18*		B2B1221	03/02/2022	*03/02/22 01:54*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/26/22 00:35	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/26/22 00:35	
Surrogate: p-Terphenyl	*107 %*	*62 - 141*		B2B1211	02/25/2022	*02/26/22 00:35*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,1,1-Trichloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,1,2-Trichloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,1-Dichloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,1-Dichloroethene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,1-Dichloropropene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2,3-Trichloropropane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2,3-Trichlorobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2,4-Trichlorobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2,4-Trimethylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2-Dibromo-3-chloropropane	ND	9.3	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2-Dibromoethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2-Dichlorobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2-Dichloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2-Dichloropropane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,3,5-Trimethylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,3-Dichlorobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,3-Dichloropropane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,4-Dichlorobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
2,2-Dichloropropane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
2-Chlorotoluene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
4-Chlorotoluene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
4-Isopropyltoluene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: SV-9-5.5
Lab ID: 2200246-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Bromobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Bromochloromethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Bromodichloromethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Bromoform	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Bromomethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Carbon disulfide	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Carbon tetrachloride	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Chlorobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Chloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Chloroform	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Chloromethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
cis-1,2-Dichloroethene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
cis-1,3-Dichloropropene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Di-isopropyl ether	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Dibromochloromethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Dibromomethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Dichlorodifluoromethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Ethyl Acetate	ND	46	1	B2B1213	02/26/2022	02/26/22 01:10	
Ethyl Ether	ND	46	1	B2B1213	02/26/2022	02/26/22 01:10	
Ethyl tert-butyl ether	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Ethylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Freon-113	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Hexachlorobutadiene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Isopropylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
m,p-Xylene	ND	9.3	1	B2B1213	02/26/2022	02/26/22 01:10	
Methylene chloride	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
MTBE	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
n-Butylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
n-Propylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Naphthalene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
o-Xylene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
sec-Butylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Styrene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
tert-Amyl methyl ether	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
tert-Butanol	ND	93	1	B2B1213	02/26/2022	02/26/22 01:10	
tert-Butylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Tetrachloroethene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Toluene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
trans-1,2-Dichloroethene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
trans-1,3-Dichloropropene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: SV-9-5.5
Lab ID: 2200246-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Trichlorofluoromethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Vinyl acetate	ND	46	1	B2B1213	02/26/2022	02/26/22 01:10	
Vinyl chloride	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Surrogate: 1,2-Dichloroethane-d4	*121 %*	*66 - 200*		B2B1213	02/26/2022	*02/26/22 01:10*	
Surrogate: 4-Bromofluorobenzene	*99.0 %*	*50 - 146*		B2B1213	02/26/2022	*02/26/22 01:10*	
Surrogate: Dibromofluoromethane	*109 %*	*77 - 159*		B2B1213	02/26/2022	*02/26/22 01:10*	
Surrogate: Toluene-d8	*97.6 %*	*81 - 128*		B2B1213	02/26/2022	*02/26/22 01:10*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: SV-9-15
Lab ID: 2200246-11

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.84	1	B2C0890	03/02/2022	03/02/22 05:36	
C4-C12	ND	0.84	1	B2C0890	03/02/2022	03/02/22 05:36	
C6-C12	ND	0.84	1	B2C0890	03/02/2022	03/02/22 05:36	
Surrogate: 4-Bromofluorobenzene	*83.3 %*	*47.6 - 121.18*		B2C0890	03/02/2022	*03/02/22 05:36*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/26/22 00:57	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/26/22 00:57	
Surrogate: p-Terphenyl	*120 %*	*62 - 141*		B2B1211	02/25/2022	*02/26/22 00:57*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,1,1-Trichloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,1,2-Trichloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,1-Dichloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,1-Dichloroethene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,1-Dichloropropene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2,3-Trichloropropane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2,3-Trichlorobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2,4-Trichlorobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2,4-Trimethylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2-Dibromoethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2-Dichlorobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2-Dichloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2-Dichloropropane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,3,5-Trimethylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,3-Dichlorobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,3-Dichloropropane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,4-Dichlorobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
2,2-Dichloropropane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
2-Chlorotoluene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
4-Chlorotoluene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
4-Isopropyltoluene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: SV-9-15
Lab ID: 2200246-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Bromobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Bromochloromethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Bromodichloromethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Bromoform	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Bromomethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Carbon disulfide	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Carbon tetrachloride	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Chlorobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Chloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Chloroform	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Chloromethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
cis-1,2-Dichloroethene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
cis-1,3-Dichloropropene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Di-isopropyl ether	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Dibromochloromethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Dibromomethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Dichlorodifluoromethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Ethyl Acetate	ND	44	1	B2B1236	02/28/2022	02/28/22 21:11	
Ethyl Ether	ND	44	1	B2B1236	02/28/2022	02/28/22 21:11	
Ethyl tert-butyl ether	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Ethylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Freon-113	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Hexachlorobutadiene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Isopropylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
m,p-Xylene	ND	8.7	1	B2B1236	02/28/2022	02/28/22 21:11	
Methylene chloride	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
MTBE	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
n-Butylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
n-Propylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Naphthalene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
o-Xylene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
sec-Butylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Styrene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
tert-Amyl methyl ether	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
tert-Butanol	ND	87	1	B2B1236	02/28/2022	02/28/22 21:11	
tert-Butylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Tetrachloroethene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Toluene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
trans-1,2-Dichloroethene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
trans-1,3-Dichloropropene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: SV-9-15
Lab ID: 2200246-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Trichlorofluoromethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Vinyl acetate	ND	44	1	B2B1236	02/28/2022	02/28/22 21:11	
Vinyl chloride	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Surrogate: 1,2-Dichloroethane-d4	*123 %*	*66 - 200*		B2B1236	02/28/2022	*02/28/22 21:11*	
Surrogate: 4-Bromofluorobenzene	*96.6 %*	*50 - 146*		B2B1236	02/28/2022	*02/28/22 21:11*	
Surrogate: Dibromofluoromethane	*112 %*	*77 - 159*		B2B1236	02/28/2022	*02/28/22 21:11*	
Surrogate: Toluene-d8	*95.6 %*	*81 - 128*		B2B1236	02/28/2022	*02/28/22 21:11*	

Client Sample ID: SV-3-1
Lab ID: 2200246-12

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Barium	**85**	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Beryllium	**2.6**	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Chromium	**14**	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Cobalt	**4.8**	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Copper	**10**	2.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Lead	**2.2**	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Nickel	**5.6**	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Selenium	**2.7**	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Silver	**5.1**	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Vanadium	**32**	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Zinc	**84**	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: SV-3-5.5
Lab ID: 2200246-13

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.87	1	B2C0890	03/02/2022	03/02/22 06:00	
C4-C12	ND	0.87	1	B2C0890	03/02/2022	03/02/22 06:00	
C6-C12	ND	0.87	1	B2C0890	03/02/2022	03/02/22 06:00	
Surrogate: 4-Bromofluorobenzene	*81.7 %*	*47.6 - 121.18*		B2C0890	03/02/2022	*03/02/22 06:00*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/26/22 01:18	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/26/22 01:18	
Surrogate: p-Terphenyl	*108 %*	*62 - 141*		B2B1211	02/25/2022	*02/26/22 01:18*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,1,1-Trichloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,1,2-Trichloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,1-Dichloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,1-Dichloroethene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,1-Dichloropropene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2,3-Trichloropropane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2,3-Trichlorobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2,4-Trichlorobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2,4-Trimethylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2-Dibromoethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2-Dichlorobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2-Dichloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2-Dichloropropane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,3,5-Trimethylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,3-Dichlorobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,3-Dichloropropane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,4-Dichlorobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
2,2-Dichloropropane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
2-Chlorotoluene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
4-Chlorotoluene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
4-Isopropyltoluene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: SV-3-5.5
Lab ID: 2200246-13

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Bromobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Bromochloromethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Bromodichloromethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Bromoform	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Bromomethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Carbon disulfide	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Carbon tetrachloride	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Chlorobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Chloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Chloroform	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Chloromethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
cis-1,2-Dichloroethene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
cis-1,3-Dichloropropene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Di-isopropyl ether	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Dibromochloromethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Dibromomethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Dichlorodifluoromethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Ethyl Acetate	ND	43	1	B2B1236	02/28/2022	02/28/22 21:37	
Ethyl Ether	ND	43	1	B2B1236	02/28/2022	02/28/22 21:37	
Ethyl tert-butyl ether	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Ethylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Freon-113	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Hexachlorobutadiene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Isopropylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
m,p-Xylene	ND	8.7	1	B2B1236	02/28/2022	02/28/22 21:37	
Methylene chloride	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
MTBE	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
n-Butylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
n-Propylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Naphthalene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
o-Xylene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
sec-Butylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Styrene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
tert-Amyl methyl ether	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
tert-Butanol	ND	87	1	B2B1236	02/28/2022	02/28/22 21:37	
tert-Butylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Tetrachloroethene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Toluene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
trans-1,2-Dichloroethene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
trans-1,3-Dichloropropene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: SV-3-5.5

Lab ID: 2200246-13

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Trichlorofluoromethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Vinyl acetate	ND	43	1	B2B1236	02/28/2022	02/28/22 21:37	
Vinyl chloride	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Surrogate: 1,2-Dichloroethane-d4	*132 %*	*66 - 200*		B2B1236	02/28/2022	*02/28/22 21:37*	
Surrogate: 4-Bromofluorobenzene	*98.6 %*	*50 - 146*		B2B1236	02/28/2022	*02/28/22 21:37*	
Surrogate: Dibromofluoromethane	*113 %*	*77 - 159*		B2B1236	02/28/2022	*02/28/22 21:37*	
Surrogate: Toluene-d8	*94.4 %*	*81 - 128*		B2B1236	02/28/2022	*02/28/22 21:37*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: SV-3-13
Lab ID: 2200246-14

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.87	1	B2C0890	03/02/2022	03/02/22 06:25	
C4-C12	ND	0.87	1	B2C0890	03/02/2022	03/02/22 06:25	
C6-C12	ND	0.87	1	B2C0890	03/02/2022	03/02/22 06:25	
Surrogate: 4-Bromofluorobenzene	*79.7 %*	*47.6 - 121.18*		B2C0890	03/02/2022	*03/02/22 06:25*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/26/22 01:39	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/26/22 01:39	
Surrogate: p-Terphenyl	*95.7 %*	*62 - 141*		B2B1211	02/25/2022	*02/26/22 01:39*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,1,1-Trichloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,1,2-Trichloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,1-Dichloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,1-Dichloroethene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,1-Dichloropropene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2,3-Trichloropropane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2,3-Trichlorobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2,4-Trichlorobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2,4-Trimethylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2-Dibromo-3-chloropropane	ND	9.8	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2-Dibromoethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2-Dichlorobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2-Dichloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2-Dichloropropane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,3,5-Trimethylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,3-Dichlorobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,3-Dichloropropane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,4-Dichlorobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
2,2-Dichloropropane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
2-Chlorotoluene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
4-Chlorotoluene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
4-Isopropyltoluene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: SV-3-13
Lab ID: 2200246-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Bromobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Bromochloromethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Bromodichloromethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Bromoform	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Bromomethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Carbon disulfide	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Carbon tetrachloride	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Chlorobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Chloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Chloroform	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Chloromethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
cis-1,2-Dichloroethene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
cis-1,3-Dichloropropene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Di-isopropyl ether	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Dibromochloromethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Dibromomethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Dichlorodifluoromethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Ethyl Acetate	ND	49	1	B2B1236	02/28/2022	02/28/22 22:03	
Ethyl Ether	ND	49	1	B2B1236	02/28/2022	02/28/22 22:03	
Ethyl tert-butyl ether	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Ethylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Freon-113	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Hexachlorobutadiene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Isopropylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
m,p-Xylene	ND	9.8	1	B2B1236	02/28/2022	02/28/22 22:03	
Methylene chloride	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
MTBE	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
n-Butylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
n-Propylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Naphthalene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
o-Xylene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
sec-Butylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Styrene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
tert-Amyl methyl ether	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
tert-Butanol	ND	98	1	B2B1236	02/28/2022	02/28/22 22:03	
tert-Butylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Tetrachloroethene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Toluene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
trans-1,2-Dichloroethene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
trans-1,3-Dichloropropene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Client Sample ID: SV-3-13

Lab ID: 2200246-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Trichlorofluoromethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Vinyl acetate	ND	49	1	B2B1236	02/28/2022	02/28/22 22:03	
Vinyl chloride	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Surrogate: 1,2-Dichloroethane-d4	*125 %*	*66 - 200*		B2B1236	02/28/2022	*02/28/22 22:03*	
Surrogate: 4-Bromofluorobenzene	*92.8 %*	*50 - 146*		B2B1236	02/28/2022	*02/28/22 22:03*	
Surrogate: Dibromofluoromethane	*107 %*	*77 - 159*		B2B1236	02/28/2022	*02/28/22 22:03*	
Surrogate: Toluene-d8	*96.5 %*	*81 - 128*		B2B1236	02/28/2022	*02/28/22 22:03*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0881 - EPA 3050B_S										
Blank (B2C0881-BLK1)						Prepared: 3/1/2022 Analyzed: 3/2/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C0881-BS1)						Prepared: 3/1/2022 Analyzed: 3/2/2022				
Antimony	24.7862	2.0	0.51	25.0000		99.1	80 - 120			
Arsenic	25.0077	1.0	0.12	25.0000		100	80 - 120			
Barium	23.2340	1.0	0.12	25.0000		92.9	80 - 120			
Beryllium	25.5016	1.0	0.03	25.0100		102	80 - 120			
Cadmium	25.3218	1.0	0.14	25.0000		101	80 - 120			
Chromium	24.8912	1.0	0.26	25.0000		99.6	80 - 120			
Cobalt	26.2917	1.0	0.07	25.0000		105	80 - 120			
Copper	24.2990	2.0	0.19	25.0000		97.2	80 - 120			
Lead	25.0647	1.0	0.18	25.0000		100	80 - 120			
Molybdenum	25.3943	1.0	0.12	25.0000		102	80 - 120			
Nickel	24.9400	1.0	0.18	25.0000		99.8	80 - 120			
Selenium	25.5998	1.0	0.40	25.0000		102	80 - 120			
Silver	11.5022	1.0	0.12	12.5000		92.0	80 - 120			
Thallium	25.1389	1.0	0.38	25.0000		101	80 - 120			
Vanadium	24.6710	1.0	0.06	25.0000		98.7	80 - 120			
Zinc	24.8261	1.0	0.15	25.0000		99.3	80 - 120			
Matrix Spike (B2C0881-MS1)			**Source: 2200238-14**			Prepared: 3/1/2022 Analyzed: 3/2/2022				
Antimony	16.9834	2.0	0.51	25.0000	0.691168	65.2	0 - 102			
Arsenic	24.6994	1.0	0.12	25.0000	1.48608	92.9	55 - 117			
Barium	73.5248	1.0	0.12	25.0000	53.5217	80.0	11 - 177			
Beryllium	21.3997	1.0	0.03	25.0100	0.681213	82.8	64 - 115			
Cadmium	23.3468	1.0	0.14	25.0000	0.273728	92.3	62 - 116			
Chromium	33.4777	1.0	0.26	25.0000	9.11766	97.4	42 - 145			

GSI Environmental, Inc.
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Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/07/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0881 - EPA 3050B_S (continued)										
Matrix Spike (B2C0881-MS1) - Continued			**Source: 2200238-14**			Prepared: 3/1/2022 Analyzed: 3/2/2022				
Cobalt	27.7836	1.0	0.07	25.0000	3.76062	96.1	60 - 126			
Copper	35.2591	2.0	0.19	25.0000	7.77102	110	37 - 163			
Lead	31.6591	1.0	0.18	25.0000	8.64828	92.0	26 - 161			
Molybdenum	22.9287	1.0	0.12	25.0000	0.394100	90.1	31 - 122			
Nickel	25.5062	1.0	0.18	25.0000	4.79505	82.8	52 - 130			
Selenium	24.6741	1.0	0.40	25.0000	1.42261	93.0	25 - 129			
Silver	10.3837	1.0	0.12	12.5000	0.489226	79.2	48 - 133			
Thallium	21.9382	1.0	0.38	25.0000	ND	87.8	25 - 119			
Vanadium	35.6635	1.0	0.06	25.0000	10.9398	98.9	51 - 141			
Zinc	91.9639	1.0	0.15	25.0000	63.8226	113	8 - 170			
Matrix Spike Dup (B2C0881-MSD1)			**Source: 2200238-14**			Prepared: 3/1/2022 Analyzed: 3/2/2022				
Antimony	16.9762	2.0	0.51	25.0000	0.691168	65.1	0 - 102	0.0422	20	
Arsenic	23.8670	1.0	0.12	25.0000	1.48608	89.5	55 - 117	3.43	20	
Barium	73.3364	1.0	0.12	25.0000	53.5217	79.3	11 - 177	0.257	20	
Beryllium	21.4628	1.0	0.03	25.0100	0.681213	83.1	64 - 115	0.295	20	
Cadmium	23.4079	1.0	0.14	25.0000	0.273728	92.5	62 - 116	0.262	20	
Chromium	33.6229	1.0	0.26	25.0000	9.11766	98.0	42 - 145	0.433	20	
Cobalt	27.9048	1.0	0.07	25.0000	3.76062	96.6	60 - 126	0.435	20	
Copper	32.4860	2.0	0.19	25.0000	7.77102	98.9	37 - 163	8.19	20	
Lead	32.1893	1.0	0.18	25.0000	8.64828	94.2	26 - 161	1.66	20	
Molybdenum	23.2329	1.0	0.12	25.0000	0.394100	91.4	31 - 122	1.32	20	
Nickel	25.6196	1.0	0.18	25.0000	4.79505	83.3	52 - 130	0.443	20	
Selenium	24.3197	1.0	0.40	25.0000	1.42261	91.6	25 - 129	1.45	20	
Silver	10.5194	1.0	0.12	12.5000	0.489226	80.2	48 - 133	1.30	20	
Thallium	21.5586	1.0	0.38	25.0000	ND	86.2	25 - 119	1.75	20	
Vanadium	35.5472	1.0	0.06	25.0000	10.9398	98.4	51 - 141	0.327	20	
Zinc	91.4778	1.0	0.15	25.0000	63.8226	111	8 - 170	0.530	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1223 - EPA 7471_S										
Blank (B2B1223-BLK1)						Prepared: 2/28/2022 Analyzed: 3/1/2022				
Mercury	ND	0.10	0.01							
LCS (B2B1223-BS1)						Prepared: 2/28/2022 Analyzed: 3/1/2022				
Mercury	0.397605	0.10	0.01	0.416667		95.4	80 - 120			
Matrix Spike (B2B1223-MS1)			**Source: 2200246-01**			Prepared: 2/28/2022 Analyzed: 3/1/2022				
Mercury	0.535140	0.10	0.01	0.416667	0.039948	119	70 - 130			
Matrix Spike Dup (B2B1223-MSD1)			**Source: 2200246-01**			Prepared: 2/28/2022 Analyzed: 3/1/2022				
Mercury	0.542538	0.10	0.01	0.416667	0.039948	121	70 - 130	1.37	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1223 - EPA 7471_S									
Post Spike (B2B1223-PS1)			**Source: 2200246-01**		Prepared: 2/28/2022 Analyzed: 3/1/2022				
Mercury	0.005447		5.00000E-3	0.000479	99.3	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1221 - GCVOA_S										
Blank (B2B1221-BLK1)						Prepared: 3/1/2022 Analyzed: 3/1/2022				
Gasoline Range Organics	ND	1.0	0.13							
C4-C12	ND	1.0	0.13							
C6-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6080*			*0.800000*		*76.0*	*47.6 - 121.18*			
LCS (B2B1221-BS1)						Prepared: 3/1/2022 Analyzed: 3/1/2022				
Gasoline Range Organics	4.61800	1.0	0.13	5.00000		92.4	58.69 - 124.04			
C4-C12	4.58000	1.0	0.13	5.00000		91.6	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.6567*			*0.800000*		*82.1*	*47.6 - 121.18*			
LCS Dup (B2B1221-BSD1)						Prepared: 3/1/2022 Analyzed: 3/1/2022				
Gasoline Range Organics	3.97000	1.0	0.13	5.00000		79.4	58.69 - 124.04	15.1	20	
C4-C12	3.93700	1.0	0.13	5.00000		78.7	70 - 130	15.1	20	
Surrogate: 4-Bromofluorobenzene	*0.6410*			*0.800000*		*80.1*	*47.6 - 121.18*			
Matrix Spike (B2B1221-MS1)			**Source: 2200238-13**			Prepared: 3/1/2022 Analyzed: 3/1/2022				
Gasoline Range Organics	5.33569	1.0	0.13	5.04032	ND	106	37.92 - 128.32			
C4-C12	5.30141	1.0	0.13	5.04032	ND	105	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.7375*			*0.800000*		*92.2*	*47.6 - 121.18*			
Matrix Spike Dup (B2B1221-MSD1)			**Source: 2200238-13**			Prepared: 3/1/2022 Analyzed: 3/1/2022				
Gasoline Range Organics	4.94578	1.0	0.13	5.02008	ND	98.5	37.92 - 128.32	7.58	20	
C4-C12	4.92470	1.0	0.13	5.02008	ND	98.1	70 - 130	7.37	20	
Surrogate: 4-Bromofluorobenzene	*0.7158*			*0.800000*		*89.5*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0890 - GCVOA_S										
Blank (B2C0890-BLK1)						Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	ND	1.0	0.13							
C4-C12	ND	1.0	0.13							
C6-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.5888*			*0.800000*		*73.6*	*47.6 - 121.18*			
LCS (B2C0890-BS1)						Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	4.54700	1.0	0.13	5.00000		90.9	58.69 - 124.04			
C4-C12	4.49500	1.0	0.13	5.00000		89.9	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.6493*			*0.800000*		*81.2*	*47.6 - 121.18*			
LCS Dup (B2C0890-BSD1)						Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	5.02400	1.0	0.13	5.00000		100	58.69 - 124.04	9.97	20	
C4-C12	4.97500	1.0	0.13	5.00000		99.5	70 - 130	10.1	20	
Surrogate: 4-Bromofluorobenzene	*0.6616*			*0.800000*		*82.7*	*47.6 - 121.18*			
Matrix Spike (B2C0890-MS1)			**Source: 2200249-14**			Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	5.04391	1.0	0.13	4.99002	ND	101	37.92 - 128.32			
C4-C12	4.99900	1.0	0.13	4.99002	ND	100	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.7265*			*0.800000*		*90.8*	*47.6 - 121.18*			
Matrix Spike Dup (B2C0890-MSD1)			**Source: 2200249-14**			Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	4.38623	1.0	0.13	4.99002	ND	87.9	37.92 - 128.32	13.9	20	
C4-C12	4.33333	1.0	0.13	4.99002	ND	86.8	70 - 130	14.3	20	
Surrogate: 4-Bromofluorobenzene	*0.6700*			*0.800000*		*83.8*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1211 - GCSEMI_DRO_S										
Blank (B2B1211-BLK1)						Prepared: 2/25/2022 Analyzed: 2/25/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*73.52*			*80.0000*		*91.9*	*62 - 141*			
LCS (B2B1211-BS1)						Prepared: 2/25/2022 Analyzed: 2/25/2022				
DRO	981.956	10	3.6	1000.00		98.2	56 - 139			
Surrogate: p-Terphenyl	*78.52*			*80.0000*		*98.2*	*62 - 141*			
Duplicate (B2B1211-DUP1)			**Source: 2200235-03**			Prepared: 2/25/2022 Analyzed: 2/25/2022				
DRO	12.2680	10	3.6		14.2960			15.3	20	
Surrogate: p-Terphenyl	*94.93*			*80.0000*		*119*	*62 - 141*			
Matrix Spike (B2B1211-MS1)			**Source: 2200235-06**			Prepared: 2/25/2022 Analyzed: 2/25/2022				
DRO	1039.42	10	3.6	1000.00	5.59400	103	38 - 161			
Surrogate: p-Terphenyl	*88.92*			*80.0000*		*111*	*62 - 141*			
Matrix Spike Dup (B2B1211-MSD1)			**Source: 2200235-06**			Prepared: 2/25/2022 Analyzed: 2/25/2022				
DRO	984.783	10	3.6	1000.00	5.59400	97.9	38 - 161	5.40	20	
Surrogate: p-Terphenyl	*85.12*			*80.0000*		*106*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1213 - MSVOA_S										
Blank (B2B1213-BLK1)						Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/07/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1213 - MSVOA_S (continued)										
Blank (B2B1213-BLK1) - Continued						Prepared: 2/25/2022 Analyzed: 2/25/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*52.02*			*50.0000*		*104*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*47.92*			*50.0000*		*95.8*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.06*			*50.0000*		*102*	*77 - 159*			
Surrogate: Toluene-d8	*48.73*			*50.0000*		*97.5*	*81 - 128*			
LCS (B2B1213-BS1)						Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,1,1,2-Tetrachloroethane	44.6800	5.0	0.52	50.0000		89.4	84 - 123			
1,1,1-Trichloroethane	54.0000	5.0	0.26	50.0000		108	78 - 133			
1,1,2,2-Tetrachloroethane	43.4300	5.0	0.21	50.0000		86.9	63 - 127			
1,1,2-Trichloroethane	42.9300	5.0	0.40	50.0000		85.9	80 - 125			
1,1-Dichloroethane	53.1400	5.0	1.4	50.0000		106	77 - 128			
1,1-Dichloroethene	57.4200	5.0	1.9	50.0000		115	69 - 138			
1,1-Dichloropropene	52.7500	5.0	0.54	50.0000		106	80 - 133			
1,2,3-Trichloropropane	40.9800	5.0	0.40	50.0000		82.0	74 - 123			
1,2,3-Trichlorobenzene	45.8700	5.0	0.83	50.0000		91.7	79 - 133			
1,2,4-Trichlorobenzene	47.7600	5.0	0.80	50.0000		95.5	73 - 131			
1,2,4-Trimethylbenzene	49.3700	5.0	0.91	50.0000		98.7	86 - 137			
1,2-Dibromo-3-chloropropane	42.9300	10	1.1	50.0000		85.9	62 - 127			
1,2-Dibromoethane	42.2100	5.0	0.40	50.0000		84.4	83 - 126			
1,2-Dichlorobenzene	46.7700	5.0	0.21	50.0000		93.5	83 - 123			
1,2-Dichloroethane	43.5300	5.0	0.50	50.0000		87.1	76 - 128			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/07/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1213 - MSVOA_S (continued)										
LCS (B2B1213-BS1) - Continued						Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,2-Dichloropropane	47.7300	5.0	0.46	50.0000		95.5	77 - 121			
1,3,5-Trimethylbenzene	49.9900	5.0	0.70	50.0000		100	84 - 135			
1,3-Dichlorobenzene	46.4700	5.0	0.36	50.0000		92.9	81 - 126			
1,3-Dichloropropane	44.2900	5.0	0.49	50.0000		88.6	80 - 118			
1,4-Dichlorobenzene	46.3200	5.0	0.27	50.0000		92.6	80 - 124			
2,2-Dichloropropane	54.3100	5.0	0.28	50.0000		109	72 - 135			
2-Chlorotoluene	48.6800	5.0	0.53	50.0000		97.4	81 - 127			
4-Chlorotoluene	49.4600	5.0	0.40	50.0000		98.9	83 - 127			
4-Isopropyltoluene	52.0000	5.0	0.81	50.0000		104	82 - 143			
Benzene	51.8600	5.0	0.36	50.0000		104	84 - 123			
Bromobenzene	46.8300	5.0	0.62	50.0000		93.7	80 - 122			
Bromochloromethane	48.8300	5.0	0.30	50.0000		97.7	83 - 127			
Bromodichloromethane	44.2800	5.0	0.52	50.0000		88.6	82 - 123			
Bromoform	40.8700	5.0	1.4	50.0000		81.7	80 - 132			
Bromomethane	59.6400	5.0	2.5	50.0000		119	67 - 176			
Carbon disulfide	53.3300	5.0	0.94	50.0000		107	75 - 138			
Carbon tetrachloride	52.5200	5.0	0.73	50.0000		105	76 - 131			
Chlorobenzene	47.5400	5.0	0.42	50.0000		95.1	84 - 119			
Chloroethane	64.3700	5.0	1.5	50.0000		129	56 - 170			
Chloroform	50.6200	5.0	0.24	50.0000		101	78 - 129			
Chloromethane	59.6000	5.0	1.1	50.0000		119	63 - 141			
cis-1,2-Dichloroethene	73.6700	5.0	0.20	50.0000		147	83 - 125			L5
cis-1,3-Dichloropropene	42.3600	5.0	0.39	50.0000		84.7	76 - 129			
Di-isopropyl ether	50.2700	5.0	1.9	50.0000		101	73 - 132			
Dibromochloromethane	41.9800	5.0	0.81	50.0000		84.0	81 - 120			
Dibromomethane	41.4900	5.0	0.23	50.0000		83.0	79 - 124			
Dichlorodifluoromethane	58.3600	5.0	0.14	50.0000		117	18 - 199			
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138			MO
Ethyl Ether	523.080	50	17	500.000		105	74 - 128			
Ethyl tert-butyl ether	42.3900	5.0	0.85	50.0000		84.8	50 - 175			
Ethylbenzene	50.8100	5.0	0.43	50.0000		102	86 - 130			
Freon-113	60.7900	5.0	1.3	50.0000		122	66 - 132			
Hexachlorobutadiene	51.8400	5.0	0.40	50.0000		104	64 - 135			
Isopropylbenzene	53.7500	5.0	0.79	50.0000		108	80 - 133			
m,p-Xylene	99.0100	10	0.98	100.000		99.0	89 - 133			
Methylene chloride	47.3300	5.0	2.2	50.0000		94.7	72 - 143			
MTBE	42.3600	5.0	0.81	50.0000		84.7	73 - 136			
n-Butylbenzene	53.0500	5.0	1.2	50.0000		106	76 - 144			
n-Propylbenzene	51.3500	5.0	0.78	50.0000		103	81 - 136			
Naphthalene	36.6400	5.0	1.1	50.0000		73.3	64 - 128			
o-Xylene	49.2200	5.0	0.67	50.0000		98.4	82 - 134			
sec-Butylbenzene	54.5600	5.0	0.63	50.0000		109	81 - 138			
Styrene	45.9700	5.0	0.45	50.0000		91.9	79 - 152			
tert-Amyl methyl ether	41.0500	5.0	1.1	50.0000		82.1	48 - 166			
tert-Butanol	173.810	100	11	250.000		69.5	48 - 148			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/07/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1213 - MSVOA_S (continued)										
LCS (B2B1213-BS1) - Continued						Prepared: 2/25/2022 Analyzed: 2/25/2022				
tert-Butylbenzene	51.0400	5.0	0.80	50.0000		102	81 - 135			
Tetrachloroethene	53.0700	5.0	0.31	50.0000		106	75 - 127			
Toluene	50.1600	5.0	0.27	50.0000		100	88 - 130			
trans-1,2-Dichloroethene	39.5300	5.0	0.56	50.0000		79.1	79 - 127			
trans-1,3-Dichloropropene	40.8500	5.0	0.59	50.0000		81.7	80 - 130			
Trichloroethene	50.0500	5.0	0.32	50.0000		100	83 - 126			
Trichlorofluoromethane	65.1500	5.0	1.0	50.0000		130	62 - 143			
Vinyl acetate	92.5900	50	6.0	500.000		18.5	69 - 150			MO
Vinyl chloride	62.2500	5.0	0.92	50.0000		124	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*50.55*			*50.0000*		*101*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*47.41*			*50.0000*		*94.8*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.24*			*50.0000*		*102*	*77 - 159*			
Surrogate: Toluene-d8	*49.01*			*50.0000*		*98.0*	*81 - 128*			
LCS Dup (B2B1213-BSD1)						Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,1,1,2-Tetrachloroethane	45.2000	5.0	0.52	50.0000		90.4	84 - 123	1.16	20	
1,1,1-Trichloroethane	51.3200	5.0	0.26	50.0000		103	78 - 133	5.09	20	
1,1,2,2-Tetrachloroethane	44.3500	5.0	0.21	50.0000		88.7	63 - 127	2.10	20	
1,1,2-Trichloroethane	46.8500	5.0	0.40	50.0000		93.7	80 - 125	8.73	20	
1,1-Dichloroethane	52.9900	5.0	1.4	50.0000		106	77 - 128	0.283	20	
1,1-Dichloroethene	53.5400	5.0	1.9	50.0000		107	69 - 138	6.99	20	
1,1-Dichloropropene	49.8000	5.0	0.54	50.0000		99.6	80 - 133	5.75	20	
1,2,3-Trichloropropane	42.5200	5.0	0.40	50.0000		85.0	74 - 123	3.69	20	
1,2,3-Trichlorobenzene	46.8600	5.0	0.83	50.0000		93.7	79 - 133	2.14	20	
1,2,4-Trichlorobenzene	48.7000	5.0	0.80	50.0000		97.4	73 - 131	1.95	20	
1,2,4-Trimethylbenzene	47.2300	5.0	0.91	50.0000		94.5	86 - 137	4.43	20	
1,2-Dibromo-3-chloropropane	45.9400	10	1.1	50.0000		91.9	62 - 127	6.77	20	
1,2-Dibromoethane	44.9800	5.0	0.40	50.0000		90.0	83 - 126	6.35	20	
1,2-Dichlorobenzene	46.4100	5.0	0.21	50.0000		92.8	83 - 123	0.773	20	
1,2-Dichloroethane	46.8400	5.0	0.50	50.0000		93.7	76 - 128	7.33	20	
1,2-Dichloropropane	49.1300	5.0	0.46	50.0000		98.3	77 - 121	2.89	20	
1,3,5-Trimethylbenzene	47.0700	5.0	0.70	50.0000		94.1	84 - 135	6.02	20	
1,3-Dichlorobenzene	46.3600	5.0	0.36	50.0000		92.7	81 - 126	0.237	20	
1,3-Dichloropropane	47.2100	5.0	0.49	50.0000		94.4	80 - 118	6.38	20	
1,4-Dichlorobenzene	45.8500	5.0	0.27	50.0000		91.7	80 - 124	1.02	20	
2,2-Dichloropropane	51.2900	5.0	0.28	50.0000		103	72 - 135	5.72	20	
2-Chlorotoluene	45.9100	5.0	0.53	50.0000		91.8	81 - 127	5.86	20	
4-Chlorotoluene	47.3600	5.0	0.40	50.0000		94.7	83 - 127	4.34	20	
4-Isopropyltoluene	46.7900	5.0	0.81	50.0000		93.6	82 - 143	10.5	20	
Benzene	51.4600	5.0	0.36	50.0000		103	84 - 123	0.774	20	
Bromobenzene	46.9800	5.0	0.62	50.0000		94.0	80 - 122	0.320	20	
Bromochloromethane	52.7500	5.0	0.30	50.0000		106	83 - 127	7.72	20	
Bromodichloromethane	46.8800	5.0	0.52	50.0000		93.8	82 - 123	5.70	20	
Bromoform	44.6500	5.0	1.4	50.0000		89.3	80 - 132	8.84	20	
Bromomethane	59.7100	5.0	2.5	50.0000		119	67 - 176	0.117	20	

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Project Number : Ontario Airport / 5925
Report To : Josh Voss
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1213 - MSVOA_S (continued)										
LCS Dup (B2B1213-BSD1) - Continued						Prepared: 2/25/2022 Analyzed: 2/25/2022				
Carbon disulfide	51.2600	5.0	0.94	50.0000		103	75 - 138	3.96	20	
Carbon tetrachloride	48.0500	5.0	0.73	50.0000		96.1	76 - 131	8.89	20	
Chlorobenzene	47.5700	5.0	0.42	50.0000		95.1	84 - 119	0.0631	20	
Chloroethane	60.5500	5.0	1.5	50.0000		121	56 - 170	6.12	20	
Chloroform	51.9100	5.0	0.24	50.0000		104	78 - 129	2.52	20	
Chloromethane	54.9100	5.0	1.1	50.0000		110	63 - 141	8.19	20	
cis-1,2-Dichloroethene	74.1700	5.0	0.20	50.0000		148	83 - 125	0.676	20	L5
cis-1,3-Dichloropropene	45.0200	5.0	0.39	50.0000		90.0	76 - 129	6.09	20	
Di-isopropyl ether	51.9900	5.0	1.9	50.0000		104	73 - 132	3.36	20	
Dibromochloromethane	45.8200	5.0	0.81	50.0000		91.6	81 - 120	8.75	20	
Dibromomethane	46.1000	5.0	0.23	50.0000		92.2	79 - 124	10.5	20	
Dichlorodifluoromethane	52.5900	5.0	0.14	50.0000		105	18 - 199	10.4	20	
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138	NR	20	MO
Ethyl Ether	564.150	50	17	500.000		113	74 - 128	7.55	20	
Ethyl tert-butyl ether	45.8400	5.0	0.85	50.0000		91.7	50 - 175	7.82	20	
Ethylbenzene	49.6900	5.0	0.43	50.0000		99.4	86 - 130	2.23	20	
Freon-113	55.8700	5.0	1.3	50.0000		112	66 - 132	8.43	20	
Hexachlorobutadiene	47.7900	5.0	0.40	50.0000		95.6	64 - 135	8.13	20	
Isopropylbenzene	47.8800	5.0	0.79	50.0000		95.8	80 - 133	11.6	20	
m,p-Xylene	96.2300	10	0.98	100.000		96.2	89 - 133	2.85	20	
Methylene chloride	49.2800	5.0	2.2	50.0000		98.6	72 - 143	4.04	20	
MTBE	45.3100	5.0	0.81	50.0000		90.6	73 - 136	6.73	20	
n-Butylbenzene	47.4200	5.0	1.2	50.0000		94.8	76 - 144	11.2	20	
n-Propylbenzene	46.4900	5.0	0.78	50.0000		93.0	81 - 136	9.93	20	
Naphthalene	39.0400	5.0	1.1	50.0000		78.1	64 - 128	6.34	20	
o-Xylene	48.8500	5.0	0.67	50.0000		97.7	82 - 134	0.755	20	
sec-Butylbenzene	48.3900	5.0	0.63	50.0000		96.8	81 - 138	12.0	20	
Styrene	47.2100	5.0	0.45	50.0000		94.4	79 - 152	2.66	20	
tert-Amyl methyl ether	44.9500	5.0	1.1	50.0000		89.9	48 - 166	9.07	20	
tert-Butanol	188.830	100	11	250.000		75.5	48 - 148	8.28	20	
tert-Butylbenzene	46.2700	5.0	0.80	50.0000		92.5	81 - 135	9.80	20	
Tetrachloroethene	49.1400	5.0	0.31	50.0000		98.3	75 - 127	7.69	20	
Toluene	49.6900	5.0	0.27	50.0000		99.4	88 - 130	0.941	20	
trans-1,2-Dichloroethene	41.2400	5.0	0.56	50.0000		82.5	79 - 127	4.23	20	
trans-1,3-Dichloropropene	44.4100	5.0	0.59	50.0000		88.8	80 - 130	8.35	20	
Trichloroethene	47.1700	5.0	0.32	50.0000		94.3	83 - 126	5.92	20	
Trichlorofluoromethane	58.6900	5.0	1.0	50.0000		117	62 - 143	10.4	20	
Vinyl acetate	95.6200	50	6.0	500.000		19.1	69 - 150	3.22	20	MO
Vinyl chloride	57.3700	5.0	0.92	50.0000		115	69 - 140	8.16	20	
Surrogate: 1,2-Dichloroethane-d4	*50.36*			*50.0000*		*101*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.44*			*50.0000*		*96.9*	*50 - 146*			
Surrogate: Dibromofluoromethane	*52.44*			*50.0000*		*105*	*77 - 159*			
Surrogate: Toluene-d8	*49.15*			*50.0000*		*98.3*	*81 - 128*			
Matrix Spike (B2B1213-MS1)				**Source: 2200235-06**		Prepared: 2/25/2022 Analyzed: 2/25/2022				

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Project Number : Ontario Airport / 5925
Report To : Josh Voss
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1213 - MSVOA_S (continued)										
Matrix Spike (B2B1213-MS1) - Continued			**Source: 2200235-06**			Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,1,1,2-Tetrachloroethane	28.1784	3.7	0.39	37.4813	ND	75.2	50 - 126			
1,1,1-Trichloroethane	31.5292	3.7	0.20	37.4813	ND	84.1	56 - 144			
1,1,2,2-Tetrachloroethane	35.8920	3.7	0.16	37.4813	ND	95.8	20 - 153			
1,1,2-Trichloroethane	31.5442	3.7	0.30	37.4813	ND	84.2	0 - 421			
1,1-Dichloroethane	30.6447	3.7	1.0	37.4813	ND	81.8	58 - 131			
1,1-Dichloroethene	32.5262	3.7	1.4	37.4813	ND	86.8	60 - 143			
1,1-Dichloropropene	32.8636	3.7	0.40	37.4813	ND	87.7	57 - 144			
1,2,3-Trichloropropane	37.1064	3.7	0.30	37.4813	ND	99.0	52 - 121			
1,2,3-Trichlorobenzene	27.0690	3.7	0.62	37.4813	ND	72.2	0 - 153			
1,2,4-Trichlorobenzene	27.0240	3.7	0.60	37.4813	ND	72.1	0 - 146			
1,2,4-Trimethylbenzene	28.8231	3.7	0.68	37.4813	ND	76.9	26 - 155			
1,2-Dibromo-3-chloropropane	38.2684	7.5	0.83	37.4813	ND	102	36 - 125			
1,2-Dibromoethane	32.2039	3.7	0.30	37.4813	ND	85.9	56 - 127			
1,2-Dichlorobenzene	27.9910	3.7	0.16	37.4813	ND	74.7	26 - 136			
1,2-Dichloroethane	29.8576	3.7	0.38	37.4813	ND	79.7	60 - 118			
1,2-Dichloropropane	29.6702	3.7	0.35	37.4813	ND	79.2	52 - 124			
1,3,5-Trimethylbenzene	29.3928	3.7	0.53	37.4813	ND	78.4	31 - 152			
1,3-Dichlorobenzene	27.5412	3.7	0.27	37.4813	ND	73.5	26 - 140			
1,3-Dichloropropane	32.6837	3.7	0.37	37.4813	ND	87.2	56 - 118			
1,4-Dichlorobenzene	28.4408	3.7	0.20	37.4813	ND	75.9	27 - 136			
2,2-Dichloropropane	31.4018	3.7	0.21	37.4813	ND	83.8	50 - 146			
2-Chlorotoluene	29.0405	3.7	0.40	37.4813	ND	77.5	28 - 149			
4-Chlorotoluene	29.2804	3.7	0.30	37.4813	ND	78.1	35 - 142			
4-Isopropyltoluene	30.6072	3.7	0.61	37.4813	ND	81.7	12 - 175			
Benzene	31.5292	3.7	0.27	37.4813	ND	84.1	61 - 127			
Bromobenzene	29.6102	3.7	0.47	37.4813	ND	79.0	40 - 129			
Bromochloromethane	30.0825	3.7	0.22	37.4813	ND	80.3	57 - 135			
Bromodichloromethane	27.3463	3.7	0.39	37.4813	ND	73.0	58 - 119			
Bromoform	31.5217	3.7	1.0	37.4813	ND	84.1	48 - 130			
Bromomethane	23.7631	3.7	1.8	37.4813	ND	63.4	40 - 183			
Carbon disulfide	31.2369	3.7	0.71	37.4813	ND	83.3	49 - 153			
Carbon tetrachloride	31.2968	3.7	0.55	37.4813	ND	83.5	49 - 146			
Chlorobenzene	29.2729	3.7	0.32	37.4813	ND	78.1	46 - 128			
Chloroethane	26.9116	3.7	1.1	37.4813	ND	71.8	37 - 178			
Chloroform	28.9955	3.7	0.18	37.4813	ND	77.4	59 - 129			
Chloromethane	36.1020	3.7	0.82	37.4813	ND	96.3	31 - 168			
cis-1,2-Dichloroethene	43.5532	3.7	0.15	37.4813	ND	116	52 - 137			
cis-1,3-Dichloropropene	27.3838	3.7	0.29	37.4813	ND	73.1	45 - 130			
Di-isopropyl ether	29.4453	3.7	1.4	37.4813	ND	78.6	55 - 132			
Dibromochloromethane	29.9925	3.7	0.60	37.4813	ND	80.0	56 - 117			
Dibromomethane	30.2099	3.7	0.17	37.4813	ND	80.6	62 - 116			
Dichlorodifluoromethane	33.1709	3.7	0.11	37.4813	ND	88.5	0 - 266			
Ethyl Acetate	ND	37	5.3	374.813	ND	NR	16 - 156			MO
Ethyl Ether	347.894	37	13	374.813	ND	92.8	58 - 127			
Ethyl tert-butyl ether	34.5277	3.7	0.64	37.4813	ND	92.1	23 - 181			

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1213 - MSVOA_S (continued)										
Matrix Spike (B2B1213-MS1) - Continued			**Source: 2200235-06**			Prepared: 2/25/2022 Analyzed: 2/25/2022				
Ethylbenzene	31.2444	3.7	0.32	37.4813	ND	83.4	43 - 144			
Freon-113	36.4543	3.7	0.96	37.4813	ND	97.3	45 - 148			
Hexachlorobutadiene	26.7991	3.7	0.30	37.4813	ND	71.5	0 - 149			
Isopropylbenzene	31.4843	3.7	0.60	37.4813	ND	84.0	38 - 148			
m,p-Xylene	60.8771	7.5	0.74	74.9625	ND	81.2	43 - 146			
Methylene chloride	27.2414	3.7	1.6	37.4813	1.70320	68.1	51 - 139			
MTBE	32.1589	3.7	0.61	37.4813	ND	85.8	41 - 152			
n-Butylbenzene	30.2099	3.7	0.88	37.4813	ND	80.6	11 - 163			
n-Propylbenzene	30.6372	3.7	0.59	37.4813	ND	81.7	31 - 154			
Naphthalene	26.4093	3.7	0.85	37.4813	ND	70.5	0 - 266			
o-Xylene	29.9026	3.7	0.50	37.4813	ND	79.8	40 - 142			
sec-Butylbenzene	30.6822	3.7	0.47	37.4813	ND	81.9	20 - 161			
Styrene	27.9460	3.7	0.34	37.4813	ND	74.6	31 - 157			
tert-Amyl methyl ether	39.6027	3.7	0.82	37.4813	ND	106	20 - 179			
tert-Butanol	168.081	75	8.4	187.406	ND	89.7	6 - 173			
tert-Butylbenzene	30.0000	3.7	0.60	37.4813	ND	80.0	28 - 155			
Tetrachloroethene	32.7211	3.7	0.23	37.4813	ND	87.3	39 - 144			
Toluene	30.4723	3.7	0.20	37.4813	ND	81.3	10 - 179			
trans-1,2-Dichloroethene	23.0285	3.7	0.42	37.4813	ND	61.4	60 - 135			
trans-1,3-Dichloropropene	28.0960	3.7	0.44	37.4813	ND	75.0	53 - 131			
Trichloroethene	30.4423	3.7	0.24	37.4813	ND	81.2	54 - 135			
Trichlorofluoromethane	38.3058	3.7	0.79	37.4813	ND	102	35 - 165			
Vinyl acetate	54.1229	37	4.5	374.813	ND	14.4	0 - 180			
Vinyl chloride	36.4992	3.7	0.69	37.4813	ND	97.4	44 - 165			
Surrogate: 1,2-Dichloroethane-d4	*37.77*			*37.4813*		*101*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*36.17*			*37.4813*		*96.5*	*50 - 146*			
Surrogate: Dibromofluoromethane	*35.92*			*37.4813*		*95.8*	*77 - 159*			
Surrogate: Toluene-d8	*36.67*			*37.4813*		*97.8*	*81 - 128*			
Matrix Spike Dup (B2B1213-MSD1)			**Source: 2200235-06**			Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,1,1,2-Tetrachloroethane	45.1505	5.4	0.56	53.7634	ND	84.0	50 - 126	46.3	20	R
1,1,1-Trichloroethane	41.9247	5.4	0.28	53.7634	ND	78.0	56 - 144	28.3	20	R
1,1,2,2-Tetrachloroethane	58.6022	5.4	0.22	53.7634	ND	109	20 - 153	48.1	20	R
1,1,2-Trichloroethane	53.3333	5.4	0.43	53.7634	ND	99.2	0 - 421	51.3	20	R
1,1-Dichloroethane	40.4086	5.4	1.5	53.7634	ND	75.2	58 - 131	27.5	20	R
1,1-Dichloroethene	43.9677	5.4	2.0	53.7634	ND	81.8	60 - 143	29.9	20	R
1,1-Dichloropropene	47.4086	5.4	0.58	53.7634	ND	88.2	57 - 144	36.2	20	R
1,2,3-Trichloropropane	59.4086	5.4	0.43	53.7634	ND	110	52 - 121	46.2	20	R
1,2,3-Trichlorobenzene	45.0430	5.4	0.89	53.7634	ND	83.8	0 - 153	49.9	20	R
1,2,4-Trichlorobenzene	44.4946	5.4	0.86	53.7634	ND	82.8	0 - 146	48.9	20	R
1,2,4-Trimethylbenzene	45.5269	5.4	0.98	53.7634	ND	84.7	26 - 155	44.9	20	R
1,2-Dibromo-3-chloropropane	59.1290	11	1.2	53.7634	ND	110	36 - 125	42.8	20	R
1,2-Dibromoethane	53.9462	5.4	0.43	53.7634	ND	100	56 - 127	50.5	20	R
1,2-Dichlorobenzene	46.5161	5.4	0.23	53.7634	ND	86.5	26 - 136	49.7	20	R
1,2-Dichloroethane	44.6882	5.4	0.54	53.7634	ND	83.1	60 - 118	39.8	20	R

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1213 - MSVOA_S (continued)										
Matrix Spike Dup (B2B1213-MSD1) - Continued		**Source: 2200235-06**				Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,2-Dichloropropane	44.3548	5.4	0.50	53.7634	ND	82.5	52 - 124	39.7	20	R
1,3,5-Trimethylbenzene	46.3226	5.4	0.75	53.7634	ND	86.2	31 - 152	44.7	20	R
1,3-Dichlorobenzene	45.2366	5.4	0.39	53.7634	ND	84.1	26 - 140	48.6	20	R
1,3-Dichloropropane	49.9570	5.4	0.53	53.7634	ND	92.9	56 - 118	41.8	20	R
1,4-Dichlorobenzene	45.3011	5.4	0.29	53.7634	ND	84.3	27 - 136	45.7	20	R
2,2-Dichloropropane	40.6129	5.4	0.30	53.7634	ND	75.5	50 - 146	25.6	20	R
2-Chlorotoluene	47.2366	5.4	0.57	53.7634	ND	87.9	28 - 149	47.7	20	R
4-Chlorotoluene	47.6022	5.4	0.43	53.7634	ND	88.5	35 - 142	47.7	20	R
4-Isopropyltoluene	47.1828	5.4	0.87	53.7634	ND	87.8	12 - 175	42.6	20	R
Benzene	44.9032	5.4	0.38	53.7634	ND	83.5	61 - 127	35.0	20	R
Bromobenzene	48.3871	5.4	0.67	53.7634	ND	90.0	40 - 129	48.1	20	R
Bromochloromethane	43.3763	5.4	0.32	53.7634	ND	80.7	57 - 135	36.2	20	R
Bromodichloromethane	45.3763	5.4	0.56	53.7634	ND	84.4	58 - 119	49.6	20	R
Bromoform	52.6344	5.4	1.5	53.7634	ND	97.9	48 - 130	50.2	20	R
Bromomethane	43.2473	5.4	2.7	53.7634	ND	80.4	40 - 183	58.2	20	R
Carbon disulfide	40.8064	5.4	1.0	53.7634	ND	75.9	49 - 153	26.6	20	R
Carbon tetrachloride	45.9032	5.4	0.79	53.7634	ND	85.4	49 - 146	37.8	20	R
Chlorobenzene	45.5161	5.4	0.45	53.7634	ND	84.7	46 - 128	43.4	20	R
Chloroethane	48.0108	5.4	1.6	53.7634	ND	89.3	37 - 178	56.3	20	R
Chloroform	39.6882	5.4	0.26	53.7634	ND	73.8	59 - 129	31.1	20	R
Chloromethane	46.0108	5.4	1.2	53.7634	ND	85.6	31 - 168	24.1	20	R
cis-1,2-Dichloroethene	57.6236	5.4	0.21	53.7634	ND	107	52 - 137	27.8	20	R
cis-1,3-Dichloropropene	43.5591	5.4	0.42	53.7634	ND	81.0	45 - 130	45.6	20	R
Di-isopropyl ether	39.2581	5.4	2.1	53.7634	ND	73.0	55 - 132	28.6	20	R
Dibromochloromethane	48.3548	5.4	0.87	53.7634	ND	89.9	56 - 117	46.9	20	R
Dibromomethane	49.3871	5.4	0.24	53.7634	ND	91.9	62 - 116	48.2	20	R
Dichlorodifluoromethane	45.0968	5.4	0.16	53.7634	ND	83.9	0 - 266	30.5	20	R
Ethyl Acetate	13.5054	54	7.5	537.634	ND	2.51	16 - 156	NR	20	MO
Ethyl Ether	450.312	54	19	537.634	ND	83.8	58 - 127	25.7	20	R
Ethyl tert-butyl ether	33.0430	5.4	0.91	53.7634	ND	61.5	23 - 181	4.39	20	R
Ethylbenzene	47.3548	5.4	0.47	53.7634	ND	88.1	43 - 144	41.0	20	R
Freon-113	46.3441	5.4	1.4	53.7634	ND	86.2	45 - 148	23.9	20	R
Hexachlorobutadiene	44.9570	5.4	0.43	53.7634	ND	83.6	0 - 149	50.6	20	R
Isopropylbenzene	49.6452	5.4	0.85	53.7634	ND	92.3	38 - 148	44.8	20	R
m,p-Xylene	92.4946	11	1.1	107.527	ND	86.0	43 - 146	41.2	20	R
Methylene chloride	36.4194	5.4	2.3	53.7634	ND	67.7	51 - 139	28.8	20	R
MTBE	37.3656	5.4	0.87	53.7634	ND	69.5	41 - 152	15.0	20	R
n-Butylbenzene	46.6344	5.4	1.3	53.7634	ND	86.7	11 - 163	42.7	20	R
n-Propylbenzene	47.5806	5.4	0.84	53.7634	ND	88.5	31 - 154	43.3	20	R
Naphthalene	47.7742	5.4	1.2	53.7634	ND	88.9	0 - 266	57.6	20	R
o-Xylene	46.3333	5.4	0.72	53.7634	ND	86.2	40 - 142	43.1	20	R
sec-Butylbenzene	49.0645	5.4	0.68	53.7634	ND	91.3	20 - 161	46.1	20	R
Styrene	44.5269	5.4	0.49	53.7634	ND	82.8	31 - 157	45.8	20	R
tert-Amyl methyl ether	35.1398	5.4	1.2	53.7634	ND	65.4	20 - 179	11.9	20	R
tert-Butanol	265.538	110	12	268.817	ND	98.8	6 - 173	45.0	20	R

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/07/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1213 - MSVOA_S (continued)										
Matrix Spike Dup (B2B1213-MSD1) - Continued		**Source: 2200235-06**				Prepared: 2/25/2022 Analyzed: 2/25/2022				
tert-Butylbenzene	47.2473	5.4	0.86	53.7634	ND	87.9	28 - 155	44.7	20	R
Tetrachloroethene	45.8064	5.4	0.33	53.7634	ND	85.2	39 - 144	33.3	20	R
Toluene	46.6129	5.4	0.29	53.7634	ND	86.7	10 - 179	41.9	20	R
trans-1,2-Dichloroethene	30.8280	5.4	0.60	53.7634	ND	57.3	60 - 135	29.0	20	M2, R
trans-1,3-Dichloropropene	46.3226	5.4	0.64	53.7634	ND	86.2	53 - 131	49.0	20	R
Trichloroethene	45.5806	5.4	0.34	53.7634	ND	84.8	54 - 135	39.8	20	R
Trichlorofluoromethane	49.4839	5.4	1.1	53.7634	ND	92.0	35 - 165	25.5	20	R
Vinyl acetate	71.9032	54	6.4	537.634	ND	13.4	0 - 180	28.2	20	R
Vinyl chloride	48.0860	5.4	0.99	53.7634	ND	89.4	44 - 165	27.4	20	R
Surrogate: 1,2-Dichloroethane-d4	*54.51*			*53.7634*		*101*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.03*			*53.7634*		*94.9*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.39*			*53.7634*		*95.6*	*77 - 159*			
Surrogate: Toluene-d8	*56.60*			*53.7634*		*105*	*81 - 128*			

Certificate of Analysis

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S										
Blank (B2B1236-BLK1)							Prepared: 2/28/2022 Analyzed: 2/28/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Project Number : Ontario Airport / 5925
Report To : Josh Voss
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S (continued)										
Blank (B2B1236-BLK1) - Continued						Prepared: 2/28/2022 Analyzed: 2/28/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*60.07*			*50.0000*		*120*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*47.77*			*50.0000*		*95.5*	*50 - 146*			
Surrogate: Dibromofluoromethane	*59.56*			*50.0000*		*119*	*77 - 159*			
Surrogate: Toluene-d8	*48.33*			*50.0000*		*96.7*	*81 - 128*			
Blank (B2B1236-BLK2)						Prepared: 2/28/2022 Analyzed: 2/28/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							

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19200 Von Karman Ave., Suite 800
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Project Number : Ontario Airport / 5925
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S (continued)										
Blank (B2B1236-BLK2) - Continued							Prepared: 2/28/2022 Analyzed: 2/28/2022			
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							

GSI Environmental, Inc.
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Irvine , CA 92612

Project Number : Ontario Airport / 5925
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S (continued)										
Blank (B2B1236-BLK2) - Continued						Prepared: 2/28/2022 Analyzed: 2/28/2022				
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*49.18*			*50.0000*		*98.4*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*46.58*			*50.0000*		*93.2*	*50 - 146*			
Surrogate: Dibromofluoromethane	*47.05*			*50.0000*		*94.1*	*77 - 159*			
Surrogate: Toluene-d8	*49.18*			*50.0000*		*98.4*	*81 - 128*			
LCS (B2B1236-BS1)						Prepared: 2/28/2022 Analyzed: 2/28/2022				
1,1,1,2-Tetrachloroethane	47.3000	5.0	0.52	50.0000		94.6	84 - 123			
1,1,1-Trichloroethane	52.9800	5.0	0.26	50.0000		106	78 - 133			
1,1,2,2-Tetrachloroethane	47.4000	5.0	0.21	50.0000		94.8	63 - 127			
1,1,2-Trichloroethane	48.9200	5.0	0.40	50.0000		97.8	80 - 125			
1,1-Dichloroethane	50.7400	5.0	1.4	50.0000		101	77 - 128			
1,1-Dichloroethene	51.3600	5.0	1.9	50.0000		103	69 - 138			
1,1-Dichloropropene	50.4100	5.0	0.54	50.0000		101	80 - 133			
1,2,3-Trichloropropane	47.2200	5.0	0.40	50.0000		94.4	74 - 123			
1,2,3-Trichlorobenzene	47.5300	5.0	0.83	50.0000		95.1	79 - 133			
1,2,4-Trichlorobenzene	47.0600	5.0	0.80	50.0000		94.1	73 - 131			
1,2,4-Trimethylbenzene	50.3700	5.0	0.91	50.0000		101	86 - 137			
1,2-Dibromo-3-chloropropane	46.4200	10	1.1	50.0000		92.8	62 - 127			
1,2-Dibromoethane	48.6500	5.0	0.40	50.0000		97.3	83 - 126			
1,2-Dichlorobenzene	45.8200	5.0	0.21	50.0000		91.6	83 - 123			
1,2-Dichloroethane	51.1600	5.0	0.50	50.0000		102	76 - 128			
1,2-Dichloropropane	48.3700	5.0	0.46	50.0000		96.7	77 - 121			
1,3,5-Trimethylbenzene	49.4900	5.0	0.70	50.0000		99.0	84 - 135			
1,3-Dichlorobenzene	47.8900	5.0	0.36	50.0000		95.8	81 - 126			
1,3-Dichloropropane	48.3300	5.0	0.49	50.0000		96.7	80 - 118			
1,4-Dichlorobenzene	49.2700	5.0	0.27	50.0000		98.5	80 - 124			
2,2-Dichloropropane	52.6100	5.0	0.28	50.0000		105	72 - 135			
2-Chlorotoluene	48.1200	5.0	0.53	50.0000		96.2	81 - 127			
4-Chlorotoluene	48.5100	5.0	0.40	50.0000		97.0	83 - 127			
4-Isopropyltoluene	49.3200	5.0	0.81	50.0000		98.6	82 - 143			
Benzene	49.6700	5.0	0.36	50.0000		99.3	84 - 123			
Bromobenzene	48.6800	5.0	0.62	50.0000		97.4	80 - 122			
Bromochloromethane	48.2600	5.0	0.30	50.0000		96.5	83 - 127			
Bromodichloromethane	49.2300	5.0	0.52	50.0000		98.5	82 - 123			
Bromoform	47.5400	5.0	1.4	50.0000		95.1	80 - 132			
Bromomethane	71.3400	5.0	2.5	50.0000		143	67 - 176			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/07/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S (continued)										
LCS (B2B1236-BS1) - Continued						Prepared: 2/28/2022 Analyzed: 2/28/2022				
Carbon disulfide	49.1200	5.0	0.94	50.0000		98.2	75 - 138			
Carbon tetrachloride	49.6400	5.0	0.73	50.0000		99.3	76 - 131			
Chlorobenzene	47.1700	5.0	0.42	50.0000		94.3	84 - 119			
Chloroethane	57.2300	5.0	1.5	50.0000		114	56 - 170			
Chloroform	49.9000	5.0	0.24	50.0000		99.8	78 - 129			
Chloromethane	51.0900	5.0	1.1	50.0000		102	63 - 141			
cis-1,2-Dichloroethene	38.5600	5.0	0.20	50.0000		77.1	83 - 125			L3
cis-1,3-Dichloropropene	44.9100	5.0	0.39	50.0000		89.8	76 - 129			
Di-isopropyl ether	48.5400	5.0	1.9	50.0000		97.1	73 - 132			
Dibromochloromethane	48.4300	5.0	0.81	50.0000		96.9	81 - 120			
Dibromomethane	47.7500	5.0	0.23	50.0000		95.5	79 - 124			
Dichlorodifluoromethane	50.6700	5.0	0.14	50.0000		101	18 - 199			
Ethyl Acetate	27.6400	50	7.0	500.000		5.53	76 - 138			MO
Ethyl Ether	554.990	50	17	500.000		111	74 - 128			
Ethyl tert-butyl ether	46.4900	5.0	0.85	50.0000		93.0	50 - 175			
Ethylbenzene	49.8300	5.0	0.43	50.0000		99.7	86 - 130			
Freon-113	60.0700	5.0	1.3	50.0000		120	66 - 132			
Hexachlorobutadiene	49.2300	5.0	0.40	50.0000		98.5	64 - 135			
Isopropylbenzene	50.2600	5.0	0.79	50.0000		101	80 - 133			
m,p-Xylene	96.9200	10	0.98	100.000		96.9	89 - 133			
Methylene chloride	48.7700	5.0	2.2	50.0000		97.5	72 - 143			
MTBE	46.4300	5.0	0.81	50.0000		92.9	73 - 136			
n-Butylbenzene	48.9900	5.0	1.2	50.0000		98.0	76 - 144			
n-Propylbenzene	49.9100	5.0	0.78	50.0000		99.8	81 - 136			
Naphthalene	45.3600	5.0	1.1	50.0000		90.7	64 - 128			
o-Xylene	49.3600	5.0	0.67	50.0000		98.7	82 - 134			
sec-Butylbenzene	48.7900	5.0	0.63	50.0000		97.6	81 - 138			
Styrene	48.3800	5.0	0.45	50.0000		96.8	79 - 152			
tert-Amyl methyl ether	49.2000	5.0	1.1	50.0000		98.4	48 - 166			
tert-Butanol	177.550	100	11	250.000		71.0	48 - 148			
tert-Butylbenzene	48.2200	5.0	0.80	50.0000		96.4	81 - 135			
Tetrachloroethene	48.2500	5.0	0.31	50.0000		96.5	75 - 127			
Toluene	48.9400	5.0	0.27	50.0000		97.9	88 - 130			
trans-1,2-Dichloroethene	65.5400	5.0	0.56	50.0000		131	79 - 127			L4
trans-1,3-Dichloropropene	47.5200	5.0	0.59	50.0000		95.0	80 - 130			
Trichloroethene	48.0400	5.0	0.32	50.0000		96.1	83 - 126			
Trichlorofluoromethane	58.3600	5.0	1.0	50.0000		117	62 - 143			
Vinyl acetate	36.0400	50	6.0	500.000		7.21	69 - 150			MO
Vinyl chloride	58.7600	5.0	0.92	50.0000		118	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*53.11*			*50.0000*		*106*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.30*			*50.0000*		*101*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.87*			*50.0000*		*104*	*77 - 159*			
Surrogate: Toluene-d8	*49.16*			*50.0000*		*98.3*	*81 - 128*			
LCS Dup (B2B1236-BSD1)						Prepared: 2/28/2022 Analyzed: 2/28/2022				

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/07/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S (continued)										
LCS Dup (B2B1236-BSD1) - Continued						Prepared: 2/28/2022 Analyzed: 2/28/2022				
1,1,1,2-Tetrachloroethane	49.5800	5.0	0.52	50.0000		99.2	84 - 123	4.71	20	
1,1,1-Trichloroethane	51.5700	5.0	0.26	50.0000		103	78 - 133	2.70	20	
1,1,2,2-Tetrachloroethane	46.7000	5.0	0.21	50.0000		93.4	63 - 127	1.49	20	
1,1,2-Trichloroethane	48.8400	5.0	0.40	50.0000		97.7	80 - 125	0.164	20	
1,1-Dichloroethane	50.7400	5.0	1.4	50.0000		101	77 - 128	0.00	20	
1,1-Dichloroethene	51.3700	5.0	1.9	50.0000		103	69 - 138	0.0195	20	
1,1-Dichloropropene	49.1500	5.0	0.54	50.0000		98.3	80 - 133	2.53	20	
1,2,3-Trichloropropane	46.0900	5.0	0.40	50.0000		92.2	74 - 123	2.42	20	
1,2,3-Trichlorobenzene	48.1800	5.0	0.83	50.0000		96.4	79 - 133	1.36	20	
1,2,4-Trichlorobenzene	48.8500	5.0	0.80	50.0000		97.7	73 - 131	3.73	20	
1,2,4-Trimethylbenzene	51.6300	5.0	0.91	50.0000		103	86 - 137	2.47	20	
1,2-Dibromo-3-chloropropane	46.8800	10	1.1	50.0000		93.8	62 - 127	0.986	20	
1,2-Dibromoethane	49.6800	5.0	0.40	50.0000		99.4	83 - 126	2.09	20	
1,2-Dichlorobenzene	45.9400	5.0	0.21	50.0000		91.9	83 - 123	0.262	20	
1,2-Dichloroethane	51.2600	5.0	0.50	50.0000		103	76 - 128	0.195	20	
1,2-Dichloropropane	46.3100	5.0	0.46	50.0000		92.6	77 - 121	4.35	20	
1,3,5-Trimethylbenzene	50.3000	5.0	0.70	50.0000		101	84 - 135	1.62	20	
1,3-Dichlorobenzene	47.6800	5.0	0.36	50.0000		95.4	81 - 126	0.439	20	
1,3-Dichloropropane	47.7300	5.0	0.49	50.0000		95.5	80 - 118	1.25	20	
1,4-Dichlorobenzene	49.2700	5.0	0.27	50.0000		98.5	80 - 124	0.00	20	
2,2-Dichloropropane	51.1800	5.0	0.28	50.0000		102	72 - 135	2.76	20	
2-Chlorotoluene	49.8400	5.0	0.53	50.0000		99.7	81 - 127	3.51	20	
4-Chlorotoluene	50.6600	5.0	0.40	50.0000		101	83 - 127	4.34	20	
4-Isopropyltoluene	49.5700	5.0	0.81	50.0000		99.1	82 - 143	0.506	20	
Benzene	50.6300	5.0	0.36	50.0000		101	84 - 123	1.91	20	
Bromobenzene	47.6400	5.0	0.62	50.0000		95.3	80 - 122	2.16	20	
Bromochloromethane	45.8400	5.0	0.30	50.0000		91.7	83 - 127	5.14	20	
Bromodichloromethane	51.3200	5.0	0.52	50.0000		103	82 - 123	4.16	20	
Bromoform	48.0900	5.0	1.4	50.0000		96.2	80 - 132	1.15	20	
Bromomethane	75.4400	5.0	2.5	50.0000		151	67 - 176	5.59	20	
Carbon disulfide	50.0100	5.0	0.94	50.0000		100	75 - 138	1.80	20	
Carbon tetrachloride	52.3700	5.0	0.73	50.0000		105	76 - 131	5.35	20	
Chlorobenzene	48.4500	5.0	0.42	50.0000		96.9	84 - 119	2.68	20	
Chloroethane	58.7300	5.0	1.5	50.0000		117	56 - 170	2.59	20	
Chloroform	48.3500	5.0	0.24	50.0000		96.7	78 - 129	3.16	20	
Chloromethane	53.8800	5.0	1.1	50.0000		108	63 - 141	5.32	20	
cis-1,2-Dichloroethene	37.1800	5.0	0.20	50.0000		74.4	83 - 125	3.64	20	L3
cis-1,3-Dichloropropene	43.6500	5.0	0.39	50.0000		87.3	76 - 129	2.85	20	
Di-isopropyl ether	47.3300	5.0	1.9	50.0000		94.7	73 - 132	2.52	20	
Dibromochloromethane	45.7000	5.0	0.81	50.0000		91.4	81 - 120	5.80	20	
Dibromomethane	48.9700	5.0	0.23	50.0000		97.9	79 - 124	2.52	20	
Dichlorodifluoromethane	50.5900	5.0	0.14	50.0000		101	18 - 199	0.158	20	
Ethyl Acetate	12.3500	50	7.0	500.000		2.47	76 - 138	76.5	20	MO
Ethyl Ether	559.720	50	17	500.000		112	74 - 128	0.849	20	
Ethyl tert-butyl ether	48.5100	5.0	0.85	50.0000		97.0	50 - 175	4.25	20	

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Josh Voss
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1236 - MSVOA_S (continued)										
LCS Dup (B2B1236-BSD1) - Continued						Prepared: 2/28/2022 Analyzed: 2/28/2022				
Ethylbenzene	49.8800	5.0	0.43	50.0000		99.8	86 - 130	0.100	20	
Freon-113	60.1700	5.0	1.3	50.0000		120	66 - 132	0.166	20	
Hexachlorobutadiene	53.2800	5.0	0.40	50.0000		107	64 - 135	7.90	20	
Isopropylbenzene	49.8300	5.0	0.79	50.0000		99.7	80 - 133	0.859	20	
m,p-Xylene	98.0100	10	0.98	100.000		98.0	89 - 133	1.12	20	
Methylene chloride	48.0100	5.0	2.2	50.0000		96.0	72 - 143	1.57	20	
MTBE	46.5000	5.0	0.81	50.0000		93.0	73 - 136	0.151	20	
n-Butylbenzene	50.1200	5.0	1.2	50.0000		100	76 - 144	2.28	20	
n-Propylbenzene	49.6600	5.0	0.78	50.0000		99.3	81 - 136	0.502	20	
Naphthalene	45.9700	5.0	1.1	50.0000		91.9	64 - 128	1.34	20	
o-Xylene	49.3400	5.0	0.67	50.0000		98.7	82 - 134	0.0405	20	
sec-Butylbenzene	50.0300	5.0	0.63	50.0000		100	81 - 138	2.51	20	
Styrene	48.7000	5.0	0.45	50.0000		97.4	79 - 152	0.659	20	
tert-Amyl methyl ether	47.7000	5.0	1.1	50.0000		95.4	48 - 166	3.10	20	
tert-Butanol	172.210	100	11	250.000		68.9	48 - 148	3.05	20	
tert-Butylbenzene	50.1400	5.0	0.80	50.0000		100	81 - 135	3.90	20	
Tetrachloroethene	49.1600	5.0	0.31	50.0000		98.3	75 - 127	1.87	20	
Toluene	51.5800	5.0	0.27	50.0000		103	88 - 130	5.25	20	
trans-1,2-Dichloroethene	67.6000	5.0	0.56	50.0000		135	79 - 127	3.09	20	L5
trans-1,3-Dichloropropene	48.4200	5.0	0.59	50.0000		96.8	80 - 130	1.88	20	
Trichloroethene	50.6300	5.0	0.32	50.0000		101	83 - 126	5.25	20	
Trichlorofluoromethane	56.8900	5.0	1.0	50.0000		114	62 - 143	2.55	20	
Vinyl acetate	20.4700	50	6.0	500.000		4.09	69 - 150	55.1	20	MO
Vinyl chloride	58.0700	5.0	0.92	50.0000		116	69 - 140	1.18	20	
Surrogate: 1,2-Dichloroethane-d4	*52.55*			*50.0000*		*105*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.30*			*50.0000*		*96.6*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.47*			*50.0000*		*103*	*77 - 159*			
Surrogate: Toluene-d8	*50.28*			*50.0000*		*101*	*81 - 128*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
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Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1235 - MSSEMI_NAL										
Blank (B2B1235-BLK1)							Prepared: 2/28/2022 Analyzed: 3/2/2022			
1,2,4-Trichlorobenzene	ND	160	25							
1,2-Dichlorobenzene	ND	160	13							
1,3-Dichlorobenzene	ND	160	14							
1,4-Dichlorobenzene	ND	160	13							
2,4,5-Trichlorophenol	ND	160	15							
2,4,6-Trichlorophenol	ND	160	17							
2,4-Dichlorophenol	ND	820	17							
2,4-Dimethylphenol	ND	160	13							
2,4-Dinitrophenol	ND	820	43							
2,4-Dinitrotoluene	ND	160	17							
2,6-Dinitrotoluene	ND	160	24							
2-Chloronaphthalene	ND	160	14							
2-Chlorophenol	ND	160	15							
2-Methylnaphthalene	ND	160	14							
2-Methylphenol	ND	160	18							
2-Nitroaniline	ND	820	21							
2-Nitrophenol	ND	160	22							
3,3´-Dichlorobenzidine	ND	330	140							
3-Nitroaniline	ND	820	24							
4,6-Dinitro-2-methyphenol	ND	820	21							
4-Bromophenyl-phenylether	ND	160	32							
4-Chloro-3-methylphenol	ND	330	36							
4-Chloroaniline	ND	330	26							
4-Chlorophenyl-phenylether	ND	160	17							
4-Methylphenol	ND	160	28							
4-Nitroaniline	ND	820	19							
4-Nitrophenol	ND	160	32							
Acenaphthene	ND	160	21							
Acenaphthylene	ND	160	31							
Anthracene	ND	160	26							
Benzidine (M)	ND	820	710							
Benzo(a)anthracene	ND	160	22							
Benzo(a)pyrene	ND	160	32							
Benzo(b)fluoranthene	ND	160	32							
Benzo(g,h,i)perylene	ND	160	40							
Benzo(k)fluoranthene	ND	160	16							
Benzoic acid	ND	820	450							
Benzyl alcohol	ND	330	16							
bis(2-chloroethoxy)methane	ND	160	32							
bis(2-Chloroethyl)ether	ND	160	33							
bis(2-chloroisopropyl)ether	ND	160	38							
bis(2-ethylhexyl)phthalate	ND	160	31							
Butylbenzylphthalate	ND	160	21							
Chrysene	ND	160	42							
Di-n-butylphthalate	ND	160	25							

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1235 - MSSEMI_NAL (continued)										
Blank (B2B1235-BLK1) - Continued						Prepared: 2/28/2022 Analyzed: 3/2/2022				
Di-n-octylphthalate	ND	160	31							
Dibenz(a,h)anthracene	ND	160	22							
Dibenzofuran	ND	160	29							
Diethyl phthalate	ND	160	29							
Dimethyl phthalate	ND	160	20							
Fluoranthene	ND	160	30							
Fluorene	ND	160	53							
Hexachlorobenzene	ND	160	27							
Hexachlorobutadiene	ND	330	26							
Hexachlorocyclopentadiene	ND	330	35							
Hexachloroethane	ND	160	47							
Indeno(1,2,3-cd)pyrene	ND	160	38							
Isophorone	ND	160	42							
N-Nitroso-di-n propylamine	ND	160	30							
N-Nitrosodiphenylamine	ND	160	16							
Naphthalene	ND	160	28							
Nitrobenzene	ND	160	28							
Pentachlorophenol	ND	820	25							
Phenanthrene	ND	160	33							
Phenol	ND	160	17							
Pyrene	ND	160	36							
Pyridine	ND	820	130							
Surrogate: 1,2-Dichlorobenzene-d4	*2112*			*3333.33*		*63.4*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*3219*			*5000.00*		*64.4*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*3459*			*5000.00*		*69.2*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*2442*			*3333.33*		*73.3*	*34 - 106*			
Surrogate: 2-Fluorophenol	*3046*			*5000.00*		*60.9*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*3287*			*3333.33*		*98.6*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*1966*			*3333.33*		*59.0*	*23 - 102*			
Surrogate: Phenol-d6	*3000*			*5000.00*		*60.0*	*14 - 104*			
LCS (B2B1235-BS1)						Prepared: 2/28/2022 Analyzed: 3/2/2022				
1,2,4-Trichlorobenzene	2295.67	160	25	3333.33		68.9	41 - 104			
1,2-Dichlorobenzene	2053.33	160	13	3333.33		61.6	37 - 100			
1,3-Dichlorobenzene	2042.33	160	14	3333.33		61.3	36 - 98			
1,4-Dichlorobenzene	2036.33	160	13	3333.33		61.1	37 - 97			
2,4,5-Trichlorophenol	3122.00	160	15	3333.33		93.7	47 - 115			
2,4,6-Trichlorophenol	3187.33	160	17	3333.33		95.6	48 - 119			
2,4-Dichlorophenol	2571.67	820	17	3333.33		77.2	46 - 118			
2,4-Dimethylphenol	2646.33	160	13	3333.33		79.4	41 - 114			
2,4-Dinitrophenol	2242.00	820	43	3333.33		67.3	0 - 180			
2,4-Dinitrotoluene	3013.67	160	17	3333.33		90.4	40 - 138			
2,6-Dinitrotoluene	2950.33	160	24	3333.33		88.5	45 - 131			
2-Chloronaphthalene	2408.00	160	14	3333.33		72.2	46 - 112			
2-Chlorophenol	2245.67	160	15	3333.33		67.4	41 - 99			

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Report To : Josh Voss
Reported : 03/07/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1235 - MSSEMI_NAL (continued)										
LCS (B2B1235-BS1) - Continued						Prepared: 2/28/2022 Analyzed: 3/2/2022				
2-Methylnaphthalene	2464.00	160	14	3333.33		73.9	45 - 111			
2-Methylphenol	2455.67	160	18	3333.33		73.7	40 - 92			
2-Nitroaniline	2472.33	820	21	3333.33		74.2	44 - 130			
2-Nitrophenol	2369.33	160	22	3333.33		71.1	34 - 114			
3,3´-Dichlorobenzidine	2410.67	330	140	3333.33		72.3	41 - 128			
3-Nitroaniline	3008.33	820	24	3333.33		90.2	47 - 123			
4,6-Dinitro-2-methyphenol	3162.67	820	21	3333.33		94.9	2 - 172			
4-Bromophenyl-phenylether	3076.33	160	32	3333.33		92.3	49 - 116			
4-Chloro-3-methylphenol	2826.33	330	36	3333.33		84.8	45 - 127			
4-Chloroaniline	2765.00	330	26	3333.33		83.0	50 - 106			
4-Chlorophenyl-phenylether	2897.33	160	17	3333.33		86.9	49 - 115			
4-Methylphenol	1293.67	160	28	1666.67		77.6	43 - 109			
4-Nitroaniline	3111.67	820	19	3333.33		93.4	44 - 125			
4-Nitrophenol	2566.33	160	32	3333.33		77.0	30 - 146			
Acenaphthene	2672.00	160	21	3333.33		80.2	44 - 110			
Acenaphthylene	2601.00	160	31	3333.33		78.0	42 - 111			
Anthracene	3062.00	160	26	3333.33		91.9	41 - 117			
Benzidine (M)	740.667	820	710	3333.33		22.2	0 - 189			
Benzo(a)anthracene	3412.67	160	22	3333.33		102	45 - 110			
Benzo(a)pyrene	3423.33	160	32	3333.33		103	45 - 116			
Benzo(b)fluoranthene	3404.00	160	32	3333.33		102	43 - 112			
Benzo(g,h,i)perylene	3024.33	160	40	3333.33		90.7	43 - 113			
Benzo(k)fluoranthene	3310.00	160	16	3333.33		99.3	42 - 114			
Benzoic acid	1719.67	820	450	3333.33		51.6	0 - 134			
Benzyl alcohol	2537.00	330	16	3333.33		76.1	39 - 117			
bis(2-chloroethoxy)methane	2173.67	160	32	3333.33		65.2	43 - 102			
bis(2-Chloroethyl)ether	2090.00	160	33	3333.33		62.7	38 - 99			
bis(2-chloroisopropyl)ether	1888.00	160	38	3333.33		56.6	30 - 104			
bis(2-ethylhexyl)phthalate	2810.00	160	31	3333.33		84.3	49 - 123			
Butylbenzylphthalate	2842.67	160	21	3333.33		85.3	49 - 122			
Chrysene	3480.67	160	42	3333.33		104	46 - 111			
Di-n-butylphthalate	3222.67	160	25	3333.33		96.7	48 - 118			
Di-n-octylphthalate	3234.00	160	31	3333.33		97.0	46 - 131			
Dibenz(a,h)anthracene	3175.67	160	22	3333.33		95.3	43 - 113			
Dibenzofuran	2673.67	160	29	3333.33		80.2	50 - 113			
Diethyl phthalate	2841.33	160	29	3333.33		85.2	50 - 115			
Dimethyl phthalate	2878.33	160	20	3333.33		86.4	48 - 112			
Fluoranthene	3436.33	160	30	3333.33		103	40 - 119			
Fluorene	2705.67	160	53	3333.33		81.2	41 - 117			
Hexachlorobenzene	2520.33	160	27	3333.33		75.6	46 - 123			
Hexachlorobutadiene	2381.67	330	26	3333.33		71.5	37 - 104			
Hexachlorocyclopentadiene	2371.33	330	35	3333.33		71.1	30 - 128			
Hexachloroethane	1975.33	160	47	3333.33		59.3	38 - 103			
Indeno(1,2,3-cd)pyrene	3155.67	160	38	3333.33		94.7	43 - 113			
Isophorone	2593.00	160	42	3333.33		77.8	43 - 109			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/07/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1235 - MSSEMI_NAL (continued)										
LCS (B2B1235-BS1) - Continued						Prepared: 2/28/2022 Analyzed: 3/2/2022				
N-Nitroso-di-n propylamine	2244.00	160	30	3333.33		67.3	44 - 111			
N-Nitrosodiphenylamine	3110.00	160	16	3333.33		93.3	48 - 113			
Naphthalene	2327.00	160	28	3333.33		69.8	38 - 103			
Nitrobenzene	2074.00	160	28	3333.33		62.2	40 - 111			
Pentachlorophenol	2960.33	820	25	3333.33		88.8	33 - 130			
Phenanthrene	3113.00	160	33	3333.33		93.4	42 - 119			
Phenol	2240.33	160	17	3333.33		67.2	43 - 104			
Pyrene	3448.67	160	36	3333.33		103	38 - 120			
Pyridine	790.333	820	130	3333.33		23.7	0 - 72			
Surrogate: 1,2-Dichlorobenzene-d4	*2021*			*3333.33*		*60.6*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*3774*			*5000.00*		*75.5*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*3319*			*5000.00*		*66.4*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*2466*			*3333.33*		*74.0*	*34 - 106*			
Surrogate: 2-Fluorophenol	*2974*			*5000.00*		*59.5*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*3287*			*3333.33*		*98.6*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*2051*			*3333.33*		*61.5*	*23 - 102*			
Surrogate: Phenol-d6	*3358*			*5000.00*		*67.2*	*14 - 104*			
Matrix Spike (B2B1235-MS1)			**Source: 2200246-04**			Prepared: 2/28/2022 Analyzed: 3/2/2022				
1,2,4-Trichlorobenzene	2140.67	160	25	3333.33	ND	64.2	35 - 113			
1,2-Dichlorobenzene	1893.67	160	13	3333.33	ND	56.8	32 - 102			
1,3-Dichlorobenzene	1885.33	160	14	3333.33	ND	56.6	32 - 100			
1,4-Dichlorobenzene	1913.33	160	13	3333.33	ND	57.4	33 - 97			
2,4,5-Trichlorophenol	2456.67	160	15	3333.33	ND	73.7	36 - 124			
2,4,6-Trichlorophenol	2494.33	160	17	3333.33	ND	74.8	37 - 130			
2,4-Dichlorophenol	2150.67	820	17	3333.33	ND	64.5	32 - 130			
2,4-Dimethylphenol	1819.00	160	13	3333.33	ND	54.6	30 - 128			
2,4-Dinitrophenol	854.000	820	43	3333.33	ND	25.6	0 - 203			
2,4-Dinitrotoluene	2549.33	160	17	3333.33	ND	76.5	21 - 168			
2,6-Dinitrotoluene	2640.00	160	24	3333.33	ND	79.2	31 - 152			
2-Chloronaphthalene	2331.33	160	14	3333.33	ND	69.9	33 - 130			
2-Chlorophenol	2031.00	160	15	3333.33	ND	60.9	32 - 106			
2-Methylnaphthalene	2345.67	160	14	3333.33	ND	70.4	33 - 125			
2-Methylphenol	2169.67	160	18	3333.33	ND	65.1	34 - 96			
2-Nitroaniline	2191.00	820	21	3333.33	ND	65.7	30 - 146			
2-Nitrophenol	1830.33	160	22	3333.33	ND	54.9	22 - 125			
3,3´-Dichlorobenzidine	408.333	330	140	3333.33	ND	12.2	19 - 144			M2
3-Nitroaniline	1775.00	820	24	3333.33	ND	53.3	36 - 133			
4,6-Dinitro-2-methyphenol	1353.00	820	21	3333.33	ND	40.6	0 - 196			
4-Bromophenyl-phenylether	3120.33	160	32	3333.33	ND	93.6	41 - 121			
4-Chloro-3-methylphenol	2428.33	330	36	3333.33	ND	72.8	39 - 134			
4-Chloroaniline	204.000	330	26	3333.33	ND	6.12	37 - 115			M2
4-Chlorophenyl-phenylether	2648.67	160	17	3333.33	ND	79.5	34 - 133			
4-Methylphenol	1138.00	160	28	1666.67	ND	68.3	34 - 121			
4-Nitroaniline	1890.00	820	19	3333.33	ND	56.7	30 - 138			

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1235 - MSSEMI_NAL (continued)										
Matrix Spike (B2B1235-MS1) - Continued		**Source: 2200246-04**				Prepared: 2/28/2022 Analyzed: 3/2/2022				
4-Nitrophenol	1137.67	160	32	3333.33	ND	34.1	5 - 154			
Acenaphthene	2407.00	160	21	3333.33	ND	72.2	33 - 121			
Acenaphthylene	2400.67	160	31	3333.33	ND	72.0	35 - 120			
Anthracene	3086.33	160	26	3333.33	ND	92.6	28 - 133			
Benzidine (M)	ND	820	710	3333.33	ND	NR	8 - 175			M2
Benzo(a)anthracene	3020.67	160	22	3333.33	ND	90.6	32 - 127			
Benzo(a)pyrene	2774.67	160	32	3333.33	ND	83.2	35 - 127			
Benzo(b)fluoranthene	2901.33	160	32	3333.33	ND	87.0	29 - 126			
Benzo(g,h,i)perylene	2549.67	160	40	3333.33	ND	76.5	26 - 129			
Benzo(k)fluoranthene	2626.33	160	16	3333.33	ND	78.8	36 - 120			
Benzoic acid	1429.33	820	450	3333.33	ND	42.9	0 - 208			
Benzyl alcohol	2172.33	330	16	3333.33	ND	65.2	32 - 120			
bis(2-chloroethoxy)methane	2159.00	160	32	3333.33	ND	64.8	34 - 108			
bis(2-Chloroethyl)ether	1873.00	160	33	3333.33	ND	56.2	34 - 100			
bis(2-chloroisopropyl)ether	1767.00	160	38	3333.33	ND	53.0	21 - 111			
bis(2-ethylhexyl)phthalate	2321.33	160	31	3333.33	ND	69.6	39 - 131			
Butylbenzylphthalate	2383.67	160	21	3333.33	ND	71.5	39 - 129			
Chrysene	2986.33	160	42	3333.33	ND	89.6	33 - 126			
Di-n-butylphthalate	2995.00	160	25	3333.33	ND	89.9	42 - 122			
Di-n-octylphthalate	2631.67	160	31	3333.33	ND	79.0	30 - 147			
Dibenz(a,h)anthracene	2578.33	160	22	3333.33	ND	77.4	30 - 126			
Dibenzofuran	2457.33	160	29	3333.33	ND	73.7	36 - 133			
Diethyl phthalate	2098.33	160	29	3333.33	ND	63.0	28 - 139			
Dimethyl phthalate	2209.00	160	20	3333.33	ND	66.3	32 - 129			
Fluoranthene	3393.00	160	30	3333.33	ND	102	23 - 140			
Fluorene	2411.33	160	53	3333.33	ND	72.3	32 - 130			
Hexachlorobenzene	2586.33	160	27	3333.33	ND	77.6	27 - 148			
Hexachlorobutadiene	2186.67	330	26	3333.33	ND	65.6	29 - 112			
Hexachlorocyclopentadiene	2189.67	330	35	3333.33	ND	65.7	13 - 147			
Hexachloroethane	1917.67	160	47	3333.33	ND	57.5	31 - 104			
Indeno(1,2,3-cd)pyrene	2615.67	160	38	3333.33	ND	78.5	21 - 137			
Isophorone	1994.67	160	42	3333.33	ND	59.8	34 - 112			
N-Nitroso-di-n propylamine	1858.67	160	30	3333.33	ND	55.8	36 - 115			
N-Nitrosodiphenylamine	2419.67	160	16	3333.33	ND	72.6	40 - 120			
Naphthalene	2191.33	160	28	3333.33	ND	65.7	33 - 108			
Nitrobenzene	1919.33	160	28	3333.33	ND	57.6	32 - 122			
Pentachlorophenol	1912.67	820	25	3333.33	ND	57.4	0 - 151			
Phenanthrene	2869.33	160	33	3333.33	ND	86.1	40 - 122			
Phenol	1936.67	160	17	3333.33	ND	58.1	35 - 112			
Pyrene	3317.00	160	36	3333.33	ND	99.5	28 - 132			
Pyridine	ND	820	130	3333.33	ND	NR	5 - 107			M2
Surrogate: 1,2-Dichlorobenzene-d4	*2071*			*3333.33*		*62.1*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*3151*			*5000.00*		*63.0*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*3193*			*5000.00*		*63.9*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*2394*			*3333.33*		*71.8*	*34 - 106*			

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1235 - MSSEMI_NAL (continued)									
Matrix Spike (B2B1235-MS1) - Continued			**Source: 2200246-04**			Prepared: 2/28/2022 Analyzed: 3/2/2022			
Surrogate: 2-Fluorophenol	*2641*		*5000.00*		*52.8*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*2932*		*3333.33*		*88.0*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*1995*		*3333.33*		*59.8*	*23 - 102*			
Surrogate: Phenol-d6	*3007*		*5000.00*		*60.1*	*14 - 104*			
Matrix Spike Dup (B2B1235-MSD1)			**Source: 2200246-04**			Prepared: 2/28/2022 Analyzed: 3/2/2022			
1,2,4-Trichlorobenzene	2382.00	160	3333.33	ND	71.5	35 - 113	10.7	20	
1,2-Dichlorobenzene	1936.33	160	3333.33	ND	58.1	32 - 102	2.23	20	
1,3-Dichlorobenzene	2048.00	160	3333.33	ND	61.4	32 - 100	8.27	20	
1,4-Dichlorobenzene	2124.67	160	3333.33	ND	63.7	33 - 97	10.5	20	
2,4,5-Trichlorophenol	2727.00	160	3333.33	ND	81.8	36 - 124	10.4	20	
2,4,6-Trichlorophenol	2900.67	160	3333.33	ND	87.0	37 - 130	15.1	20	
2,4-Dichlorophenol	2448.00	820	3333.33	ND	73.4	32 - 130	12.9	20	
2,4-Dimethylphenol	2064.00	160	3333.33	ND	61.9	30 - 128	12.6	20	
2,4-Dinitrophenol	831.667	820	3333.33	ND	25.0	0 - 203	2.65	20	
2,4-Dinitrotoluene	2824.67	160	3333.33	ND	84.7	21 - 168	10.2	20	
2,6-Dinitrotoluene	2863.00	160	3333.33	ND	85.9	31 - 152	8.10	20	
2-Chloronaphthalene	2490.00	160	3333.33	ND	74.7	33 - 130	6.58	20	
2-Chlorophenol	2189.67	160	3333.33	ND	65.7	32 - 106	7.52	20	
2-Methylnaphthalene	2620.67	160	3333.33	ND	78.6	33 - 125	11.1	20	
2-Methylphenol	2273.33	160	3333.33	ND	68.2	34 - 96	4.67	20	
2-Nitroaniline	2310.67	820	3333.33	ND	69.3	30 - 146	5.32	20	
2-Nitrophenol	1995.33	160	3333.33	ND	59.9	22 - 125	8.63	20	
3,3´-Dichlorobenzidine	528.333	330	3333.33	ND	15.8	19 - 144	25.6	20	M2, R
3-Nitroaniline	1982.00	820	3333.33	ND	59.5	36 - 133	11.0	20	
4,6-Dinitro-2-methyphenol	1323.00	820	3333.33	ND	39.7	0 - 196	2.24	20	
4-Bromophenyl-phenylether	2960.67	160	3333.33	ND	88.8	41 - 121	5.25	20	
4-Chloro-3-methylphenol	2684.33	330	3333.33	ND	80.5	39 - 134	10.0	20	
4-Chloroaniline	197.667	330	3333.33	ND	5.93	37 - 115	3.15	20	M2
4-Chlorophenyl-phenylether	2962.67	160	3333.33	ND	88.9	34 - 133	11.2	20	
4-Methylphenol	1248.33	160	1666.67	ND	74.9	34 - 121	9.25	20	
4-Nitroaniline	2158.33	820	3333.33	ND	64.8	30 - 138	13.3	20	
4-Nitrophenol	1153.00	160	3333.33	ND	34.6	5 - 154	1.34	20	
Acenaphthene	2517.67	160	3333.33	ND	75.5	33 - 121	4.49	20	
Acenaphthylene	2655.33	160	3333.33	ND	79.7	35 - 120	10.1	20	
Anthracene	3057.67	160	3333.33	ND	91.7	28 - 133	0.933	20	
Benzidine (M)	ND	820	3333.33	ND	NR	8 - 175	NR	20	M2
Benzo(a)anthracene	3346.00	160	3333.33	ND	100	32 - 127	10.2	20	
Benzo(a)pyrene	3090.00	160	3333.33	ND	92.7	35 - 127	10.8	20	
Benzo(b)fluoranthene	3323.33	160	3333.33	ND	99.7	29 - 126	13.6	20	
Benzo(g,h,i)perylene	2887.67	160	3333.33	ND	86.6	26 - 129	12.4	20	
Benzo(k)fluoranthene	3195.00	160	3333.33	ND	95.9	36 - 120	19.5	20	
Benzoic acid	1438.00	820	3333.33	ND	43.1	0 - 208	0.605	20	
Benzyl alcohol	2489.67	330	3333.33	ND	74.7	32 - 120	13.6	20	
bis(2-chloroethoxy)methane	2429.00	160	3333.33	ND	72.9	34 - 108	11.8	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1235 - MSSEMI_NAL (continued)										
Matrix Spike Dup (B2B1235-MSD1) - Continued			**Source: 2200246-04**			Prepared: 2/28/2022 Analyzed: 3/2/2022				
bis(2-Chloroethyl)ether	2025.33	160	33	3333.33	ND	60.8	34 - 100	7.82	20	
bis(2-chloroisopropyl)ether	2002.00	160	38	3333.33	ND	60.1	21 - 111	12.5	20	
bis(2-ethylhexyl)phthalate	2531.33	160	31	3333.33	ND	75.9	39 - 131	8.66	20	
Butylbenzylphthalate	2535.67	160	21	3333.33	ND	76.1	39 - 129	6.18	20	
Chrysene	3324.33	160	42	3333.33	ND	99.7	33 - 126	10.7	20	
Di-n-butylphthalate	2974.00	160	25	3333.33	ND	89.2	42 - 122	0.704	20	
Di-n-octylphthalate	2974.33	160	31	3333.33	ND	89.2	30 - 147	12.2	20	
Dibenz(a,h)anthracene	2971.00	160	22	3333.33	ND	89.1	30 - 126	14.2	20	
Dibenzofuran	2564.33	160	29	3333.33	ND	76.9	36 - 133	4.26	20	
Diethyl phthalate	2366.67	160	29	3333.33	ND	71.0	28 - 139	12.0	20	
Dimethyl phthalate	2500.33	160	20	3333.33	ND	75.0	32 - 129	12.4	20	
Fluoranthene	3254.67	160	30	3333.33	ND	97.6	23 - 140	4.16	20	
Fluorene	2752.00	160	53	3333.33	ND	82.6	32 - 130	13.2	20	
Hexachlorobenzene	2574.00	160	27	3333.33	ND	77.2	27 - 148	0.478	20	
Hexachlorobutadiene	2535.00	330	26	3333.33	ND	76.1	29 - 112	14.8	20	
Hexachlorocyclopentadiene	2457.33	330	35	3333.33	ND	73.7	13 - 147	11.5	20	
Hexachloroethane	2059.00	160	47	3333.33	ND	61.8	31 - 104	7.11	20	
Indeno(1,2,3-cd)pyrene	3047.00	160	38	3333.33	ND	91.4	21 - 137	15.2	20	
Isophorone	2237.33	160	42	3333.33	ND	67.1	34 - 112	11.5	20	
N-Nitroso-di-n propylamine	2110.33	160	30	3333.33	ND	63.3	36 - 115	12.7	20	
N-Nitrosodiphenylamine	2472.67	160	16	3333.33	ND	74.2	40 - 120	2.17	20	
Naphthalene	2397.33	160	28	3333.33	ND	71.9	33 - 108	8.98	20	
Nitrobenzene	2163.33	160	28	3333.33	ND	64.9	32 - 122	12.0	20	
Pentachlorophenol	1858.33	820	25	3333.33	ND	55.8	0 - 151	2.88	20	
Phenanthrene	2998.00	160	33	3333.33	ND	89.9	40 - 122	4.39	20	
Phenol	2134.00	160	17	3333.33	ND	64.0	35 - 112	9.70	20	
Pyrene	3444.33	160	36	3333.33	ND	103	28 - 132	3.77	20	
Pyridine	ND	820	130	3333.33	ND	NR	5 - 107	NR	20	M2
Surrogate: 1,2-Dichlorobenzene-d4	*2168*			*3333.33*		*65.0*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*3574*			*5000.00*		*71.5*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*3351*			*5000.00*		*67.0*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*2678*			*3333.33*		*80.4*	*34 - 106*			
Surrogate: 2-Fluorophenol	*2869*			*5000.00*		*57.4*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*3108*			*3333.33*		*93.2*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*2129*			*3333.33*		*63.9*	*23 - 102*			
Surrogate: Phenol-d6	*3349*			*5000.00*		*67.0*	*14 - 104*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 2/24/22

2200246

2.6°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) Tiam Novin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	61C-8-3-1	2/24/22	0800	Soil	1	1			X									
2	61C-8-3-5.5		0815		5	1	4			X	X	X	X					
3	61C-8-4-1		0838		1	1			X									
4	61C-8-4-5.5		0848		5	1	4			X	X	X	X					
5	61C-8-5-1		0938		1	1			X									
6	61C-8-5-5.5		0950		5	1	4			X	X	X	X					
7	61C-8-6-SV10-1		1020		1	1			X									
8	61C-8-6-SV10-5.5		1030		5	1	4			X	X	X	X					
9	SV-9-1		1205		1	1			X									
10	SV-9-5.5		1225		5	1	4			X	X	X						
11	SV-9-15		1228		5	1	4			X	X	X						
12	SV-3-1		1338		1	1			X									
13	SV-3-5.5		1348		5	1	4			X	X	X						
14	SV-3-13		1405	↓	5	1	4			X	X	X						
15	TB-20220224	↓	1420	Water	4		4			X								X

Relinquished by: (Signature) Tiam Novin	Received by: (Signature)	Date: 2/24/22	Time: 15:20
Relinquished by: (Signature)	Received by: (Signature) ATL Ethan Tran	Date: 2/24/22	Time: 17:50
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 09, 2022

Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

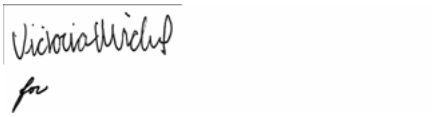
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200255
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on February 25, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,



Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 03/09/22 14:47 on Behalf of



Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

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The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.		Project Number :	Ontario Airport / 5925
19200 Von Karman Ave., Suite 800		Report To :	Josh Voss
Irvine , CA 92612		Reported :	03/09/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
62-5-1-1	2200255-01	Soil	2/25/22 8:40	2/25/22 17:11
62-5-1-5.5	2200255-02	Soil	2/25/22 9:28	2/25/22 17:11
62-5-2-1	2200255-03	Soil	2/25/22 9:55	2/25/22 17:11
62-5-2-5.5	2200255-04	Soil	2/25/22 10:16	2/25/22 17:11
62-5-3-1	2200255-05	Soil	2/25/22 10:40	2/25/22 17:11
62-5-3-5.5	2200255-06	Soil	2/25/22 11:00	2/25/22 17:11
62-5-4-1	2200255-07	Soil	2/25/22 11:34	2/25/22 17:11
62-5-4-5.5	2200255-08	Soil	2/25/22 11:50	2/25/22 17:11
62-5-6-1	2200255-09	Soil	2/25/22 12:30	2/25/22 17:11
62-5-6-5.5	2200255-10	Soil	2/25/22 12:48	2/25/22 17:11
62-5-5-1	2200255-11	Soil	2/25/22 13:22	2/25/22 17:11
62-5-5-5.5	2200255-12	Soil	2/25/22 13:36	2/25/22 17:11
TB-20220225	2200255-13	Water	2/25/22 12:40	2/25/22 17:11

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200255-01	62-5-1-1	**ND**	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 11:27	
2200255-03	62-5-2-1	**ND**	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22 10:54	
2200255-05	62-5-3-1	**ND**	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22 11:16	
2200255-07	62-5-4-1	**ND**	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22 11:19	
2200255-09	62-5-6-1	**ND**	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22 11:22	
2200255-11	62-5-5-1	**ND**	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22 11:25	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-1-1

Lab ID: 2200255-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Arsenic	ND	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Barium	**73**	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Beryllium	**2.3**	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Cadmium	ND	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Chromium	**13**	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Cobalt	**5.1**	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Copper	**9.2**	2.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Lead	**4.4**	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Molybdenum	ND	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Nickel	**5.2**	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Selenium	ND	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Silver	**4.6**	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Thallium	ND	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Vanadium	**30**	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Zinc	**33**	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-1-5.5
Lab ID: 2200255-02

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C0948	03/07/2022	03/07/22 15:27	
Surrogate: 4-Bromofluorobenzene	*88.7 %*	*47.6 - 121.18*		B2C0948	03/07/2022	*03/07/22 15:27*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/04/22 22:14	
C23-C32	**11**	10	1	B2C0961	03/04/2022	03/04/22 22:14	
Surrogate: p-Terphenyl	*112 %*	*62 - 141*		B2C0961	03/04/2022	*03/04/22 22:14*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,1,1-Trichloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,1,2-Trichloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,1-Dichloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,1-Dichloroethene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,1-Dichloropropene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2,3-Trichloropropane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2-Dibromoethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2-Dichlorobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2-Dichloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2-Dichloropropane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,3-Dichlorobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,3-Dichloropropane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,4-Dichlorobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
2,2-Dichloropropane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
2-Chlorotoluene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
4-Chlorotoluene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
4-Isopropyltoluene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Benzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Bromobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-1-5.5

Lab ID: 2200255-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Bromodichloromethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Bromoform	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Bromomethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Carbon disulfide	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Carbon tetrachloride	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Chlorobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Chloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Chloroform	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Chloromethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
cis-1,2-Dichloroethene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
cis-1,3-Dichloropropene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Di-isopropyl ether	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Dibromochloromethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Dibromomethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Dichlorodifluoromethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Ethyl Acetate	ND	43	1	B2C0950	03/04/2022	03/04/22 17:27	
Ethyl Ether	ND	43	1	B2C0950	03/04/2022	03/04/22 17:27	
Ethyl tert-butyl ether	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Ethylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Freon-113	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Hexachlorobutadiene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Isopropylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
m,p-Xylene	ND	8.6	1	B2C0950	03/04/2022	03/04/22 17:27	
Methylene chloride	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
MTBE	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
n-Butylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
n-Propylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Naphthalene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
o-Xylene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
sec-Butylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Styrene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
tert-Amyl methyl ether	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
tert-Butanol	ND	86	1	B2C0950	03/04/2022	03/04/22 17:27	
tert-Butylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Tetrachloroethene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Toluene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
trans-1,2-Dichloroethene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
trans-1,3-Dichloropropene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Trichloroethene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Trichlorofluoromethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-1-5.5
Lab ID: 2200255-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	43	1	B2C0950	03/04/2022	03/04/22 17:27	
Vinyl chloride	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Surrogate: 1,2-Dichloroethane-d4	*141 %*	*66 - 200*		B2C0950	03/04/2022	*03/04/22 17:27*	
Surrogate: 4-Bromofluorobenzene	*98.5 %*	*50 - 146*		B2C0950	03/04/2022	*03/04/22 17:27*	
Surrogate: Dibromofluoromethane	*116 %*	*77 - 159*		B2C0950	03/04/2022	*03/04/22 17:27*	
Surrogate: Toluene-d8	*95.8 %*	*81 - 128*		B2C0950	03/04/2022	*03/04/22 17:27*	

Client Sample ID: 62-5-2-1
Lab ID: 2200255-03

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Barium	**69**	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Beryllium	**2.6**	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Chromium	**14**	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Cobalt	**4.8**	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Copper	**10**	2.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Lead	**4.6**	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Nickel	**6.7**	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Selenium	**1.3**	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Silver	**5.3**	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Vanadium	**31**	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Zinc	**37**	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-2-5.5
Lab ID: 2200255-04

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.90	1	B2C0890	03/02/2022	03/02/22 06:49	
Surrogate: 4-Bromofluorobenzene	*83.4 %*	*47.6 - 121.18*		B2C0890	03/02/2022	*03/02/22 06:49*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1245	02/28/2022	03/01/22 12:09	
C23-C32	**10**	10	1	B2B1245	02/28/2022	03/01/22 12:09	
Surrogate: p-Terphenyl	*94.6 %*	*62 - 141*		B2B1245	02/28/2022	*03/01/22 12:09*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,1,1-Trichloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,1,2-Trichloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,1-Dichloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,1-Dichloroethene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,1-Dichloropropene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2,3-Trichloropropane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2-Dibromoethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2-Dichlorobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2-Dichloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2-Dichloropropane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,3-Dichlorobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,3-Dichloropropane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,4-Dichlorobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
2,2-Dichloropropane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
2-Chlorotoluene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
4-Chlorotoluene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
4-Isopropyltoluene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Benzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Bromobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-2-5.5

Lab ID: 2200255-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Bromodichloromethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Bromoform	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Bromomethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Carbon disulfide	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Carbon tetrachloride	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Chlorobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Chloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Chloroform	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Chloromethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
cis-1,2-Dichloroethene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
cis-1,3-Dichloropropene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Di-isopropyl ether	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Dibromochloromethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Dibromomethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Dichlorodifluoromethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Ethyl Acetate	ND	45	1	B2C0950	03/04/2022	03/04/22 17:53	
Ethyl Ether	ND	45	1	B2C0950	03/04/2022	03/04/22 17:53	
Ethyl tert-butyl ether	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Ethylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Freon-113	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Hexachlorobutadiene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Isopropylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
m,p-Xylene	ND	9.1	1	B2C0950	03/04/2022	03/04/22 17:53	
Methylene chloride	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
MTBE	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
n-Butylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
n-Propylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Naphthalene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
o-Xylene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
sec-Butylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Styrene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
tert-Amyl methyl ether	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
tert-Butanol	ND	91	1	B2C0950	03/04/2022	03/04/22 17:53	
tert-Butylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Tetrachloroethene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Toluene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
trans-1,2-Dichloroethene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
trans-1,3-Dichloropropene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Trichloroethene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Trichlorofluoromethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-2-5.5
Lab ID: 2200255-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	45	1	B2C0950	03/04/2022	03/04/22 17:53	
Vinyl chloride	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Surrogate: 1,2-Dichloroethane-d4	*119 %*	*66 - 200*		B2C0950	03/04/2022	*03/04/22 17:53*	
Surrogate: 4-Bromofluorobenzene	*90.7 %*	*50 - 146*		B2C0950	03/04/2022	*03/04/22 17:53*	
Surrogate: Dibromofluoromethane	*105 %*	*77 - 159*		B2C0950	03/04/2022	*03/04/22 17:53*	
Surrogate: Toluene-d8	*96.0 %*	*81 - 128*		B2C0950	03/04/2022	*03/04/22 17:53*	

Client Sample ID: 62-5-3-1
Lab ID: 2200255-05

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Barium	**69**	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Beryllium	**2.2**	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Chromium	**14**	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Cobalt	**4.2**	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Copper	**10**	2.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Lead	**4.1**	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Nickel	**6.5**	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Selenium	**1.7**	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Silver	**4.2**	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Vanadium	**28**	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Zinc	**32**	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-3-5.5
Lab ID: 2200255-06

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.98	1	B2C0890	03/02/2022	03/02/22 07:13	
Surrogate: 4-Bromofluorobenzene	*77.6 %*	*47.6 - 121.18*		B2C0890	03/02/2022	*03/02/22 07:13*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1245	02/28/2022	03/01/22 12:28	
C23-C32	ND	10	1	B2B1245	02/28/2022	03/01/22 12:28	
Surrogate: p-Terphenyl	*97.2 %*	*62 - 141*		B2B1245	02/28/2022	*03/01/22 12:28*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,1,1-Trichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,1,2-Trichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,1-Dichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,1-Dichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,1-Dichloropropene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2,3-Trichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2-Dibromoethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2-Dichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2-Dichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2-Dichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,3-Dichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,3-Dichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,4-Dichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
2,2-Dichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
2-Chlorotoluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
4-Chlorotoluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
4-Isopropyltoluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Benzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Bromobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-3-5.5

Lab ID: 2200255-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Bromodichloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Bromoform	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Bromomethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Carbon disulfide	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Carbon tetrachloride	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Chlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Chloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Chloroform	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Chloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
cis-1,2-Dichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
cis-1,3-Dichloropropene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Di-isopropyl ether	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Dibromochloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Dibromomethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Dichlorodifluoromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Ethyl Acetate	ND	47	1	B2C0950	03/04/2022	03/04/22 18:19	
Ethyl Ether	ND	47	1	B2C0950	03/04/2022	03/04/22 18:19	
Ethyl tert-butyl ether	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Ethylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Freon-113	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Hexachlorobutadiene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Isopropylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
m,p-Xylene	ND	9.4	1	B2C0950	03/04/2022	03/04/22 18:19	
Methylene chloride	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
MTBE	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
n-Butylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
n-Propylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Naphthalene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
o-Xylene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
sec-Butylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Styrene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
tert-Amyl methyl ether	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
tert-Butanol	ND	94	1	B2C0950	03/04/2022	03/04/22 18:19	
tert-Butylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Tetrachloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Toluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
trans-1,2-Dichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
trans-1,3-Dichloropropene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Trichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Trichlorofluoromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-3-5.5
Lab ID: 2200255-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	47	1	B2C0950	03/04/2022	03/04/22 18:19	
Vinyl chloride	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Surrogate: 1,2-Dichloroethane-d4	*140 %*	*66 - 200*		B2C0950	03/04/2022	*03/04/22 18:19*	
Surrogate: 4-Bromofluorobenzene	*92.6 %*	*50 - 146*		B2C0950	03/04/2022	*03/04/22 18:19*	
Surrogate: Dibromofluoromethane	*123 %*	*77 - 159*		B2C0950	03/04/2022	*03/04/22 18:19*	
Surrogate: Toluene-d8	*94.6 %*	*81 - 128*		B2C0950	03/04/2022	*03/04/22 18:19*	

Client Sample ID: 62-5-4-1
Lab ID: 2200255-07

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Barium	**55**	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Beryllium	**1.9**	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Chromium	**11**	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Cobalt	**3.6**	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Copper	**11**	2.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Lead	**3.5**	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Nickel	**5.5**	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Selenium	**1.0**	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Silver	**3.7**	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Vanadium	**24**	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Zinc	**27**	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-4-5.5
Lab ID: 2200255-08

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C0890	03/02/2022	03/02/22 07:38	
Surrogate: 4-Bromofluorobenzene	*77.7 %*	*47.6 - 121.18*		B2C0890	03/02/2022	*03/02/22 07:38*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1245	02/28/2022	03/01/22 12:47	
C23-C32	**11**	10	1	B2B1245	02/28/2022	03/01/22 12:47	
Surrogate: p-Terphenyl	*100 %*	*62 - 141*		B2B1245	02/28/2022	*03/01/22 12:47*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,1,1-Trichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,1,2-Trichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,1-Dichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,1-Dichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,1-Dichloropropene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2,3-Trichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2-Dibromoethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2-Dichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2-Dichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2-Dichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,3-Dichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,3-Dichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,4-Dichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
2,2-Dichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
2-Chlorotoluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
4-Chlorotoluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
4-Isopropyltoluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Benzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Bromobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-4-5.5
Lab ID: 2200255-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Bromodichloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Bromoform	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Bromomethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Carbon disulfide	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Carbon tetrachloride	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Chlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Chloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Chloroform	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Chloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
cis-1,2-Dichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
cis-1,3-Dichloropropene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Di-isopropyl ether	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Dibromochloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Dibromomethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Dichlorodifluoromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Ethyl Acetate	ND	47	1	B2C0950	03/04/2022	03/04/22 18:45	
Ethyl Ether	ND	47	1	B2C0950	03/04/2022	03/04/22 18:45	
Ethyl tert-butyl ether	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Ethylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Freon-113	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Hexachlorobutadiene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Isopropylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
m,p-Xylene	ND	9.4	1	B2C0950	03/04/2022	03/04/22 18:45	
Methylene chloride	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
MTBE	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
n-Butylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
n-Propylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Naphthalene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
o-Xylene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
sec-Butylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Styrene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
tert-Amyl methyl ether	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
tert-Butanol	ND	94	1	B2C0950	03/04/2022	03/04/22 18:45	
tert-Butylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Tetrachloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Toluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
trans-1,2-Dichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
trans-1,3-Dichloropropene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Trichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Trichlorofluoromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-4-5.5
Lab ID: 2200255-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	47	1	B2C0950	03/04/2022	03/04/22 18:45	
Vinyl chloride	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Surrogate: 1,2-Dichloroethane-d4	*144 %*	*66 - 200*		B2C0950	03/04/2022	*03/04/22 18:45*	
Surrogate: 4-Bromofluorobenzene	*92.9 %*	*50 - 146*		B2C0950	03/04/2022	*03/04/22 18:45*	
Surrogate: Dibromofluoromethane	*119 %*	*77 - 159*		B2C0950	03/04/2022	*03/04/22 18:45*	
Surrogate: Toluene-d8	*91.8 %*	*81 - 128*		B2C0950	03/04/2022	*03/04/22 18:45*	

Client Sample ID: 62-5-6-1
Lab ID: 2200255-09

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Barium	**78**	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Beryllium	**2.3**	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Chromium	**14**	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Cobalt	**4.5**	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Copper	**11**	2.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Lead	**4.1**	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Nickel	**6.6**	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Selenium	**2.1**	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Silver	**4.5**	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Vanadium	**29**	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Zinc	**33**	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-6-5.5
Lab ID: 2200255-10

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C0890	03/02/2022	03/02/22 08:03	
Surrogate: 4-Bromofluorobenzene	*77.6 %*	*47.6 - 121.18*		B2C0890	03/02/2022	*03/02/22 08:03*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1245	02/28/2022	03/01/22 13:06	
C23-C32	**10**	10	1	B2B1245	02/28/2022	03/01/22 13:06	
Surrogate: p-Terphenyl	*95.4 %*	*62 - 141*		B2B1245	02/28/2022	*03/01/22 13:06*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,1,1-Trichloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,1,2-Trichloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,1-Dichloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,1-Dichloroethene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,1-Dichloropropene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2,3-Trichloropropane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2-Dibromo-3-chloropropane	ND	9.3	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2-Dibromoethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2-Dichlorobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2-Dichloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2-Dichloropropane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,3-Dichlorobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,3-Dichloropropane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,4-Dichlorobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
2,2-Dichloropropane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
2-Chlorotoluene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
4-Chlorotoluene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
4-Isopropyltoluene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Benzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Bromobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-6-5.5

Lab ID: 2200255-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Bromodichloromethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Bromoform	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Bromomethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Carbon disulfide	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Carbon tetrachloride	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Chlorobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Chloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Chloroform	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Chloromethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
cis-1,2-Dichloroethene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
cis-1,3-Dichloropropene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Di-isopropyl ether	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Dibromochloromethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Dibromomethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Dichlorodifluoromethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Ethyl Acetate	ND	46	1	B2C0950	03/04/2022	03/04/22 19:10	
Ethyl Ether	ND	46	1	B2C0950	03/04/2022	03/04/22 19:10	
Ethyl tert-butyl ether	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Ethylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Freon-113	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Hexachlorobutadiene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Isopropylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
m,p-Xylene	ND	9.3	1	B2C0950	03/04/2022	03/04/22 19:10	
Methylene chloride	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
MTBE	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
n-Butylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
n-Propylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Naphthalene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
o-Xylene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
sec-Butylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Styrene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
tert-Amyl methyl ether	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
tert-Butanol	ND	93	1	B2C0950	03/04/2022	03/04/22 19:10	
tert-Butylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Tetrachloroethene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Toluene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
trans-1,2-Dichloroethene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
trans-1,3-Dichloropropene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Trichloroethene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Trichlorofluoromethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-6-5.5
Lab ID: 2200255-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	46	1	B2C0950	03/04/2022	03/04/22 19:10	
Vinyl chloride	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Surrogate: 1,2-Dichloroethane-d4	*139 %*	*66 - 200*		B2C0950	03/04/2022	*03/04/22 19:10*	
Surrogate: 4-Bromofluorobenzene	*91.9 %*	*50 - 146*		B2C0950	03/04/2022	*03/04/22 19:10*	
Surrogate: Dibromofluoromethane	*115 %*	*77 - 159*		B2C0950	03/04/2022	*03/04/22 19:10*	
Surrogate: Toluene-d8	*96.4 %*	*81 - 128*		B2C0950	03/04/2022	*03/04/22 19:10*	

Client Sample ID: 62-5-5-1
Lab ID: 2200255-11

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Barium	**61**	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Beryllium	**2.0**	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Chromium	**11**	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Cobalt	**3.8**	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Copper	**8.8**	2.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Lead	**3.4**	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Nickel	**5.7**	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Selenium	**1.2**	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Silver	**3.9**	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Vanadium	**25**	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Zinc	**27**	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-5-5.5
Lab ID: 2200255-12

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.89	1	B2C0890	03/02/2022	03/02/22 08:27	
Surrogate: 4-Bromofluorobenzene	*83.4 %*	*47.6 - 121.18*		B2C0890	03/02/2022	*03/02/22 08:27*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1245	02/28/2022	03/01/22 13:25	
C23-C32	**10**	10	1	B2B1245	02/28/2022	03/01/22 13:25	
Surrogate: p-Terphenyl	*117 %*	*62 - 141*		B2B1245	02/28/2022	*03/01/22 13:25*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,1,1-Trichloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,1,2-Trichloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,1-Dichloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,1-Dichloroethene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,1-Dichloropropene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2,3-Trichloropropane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2-Dibromoethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2-Dichlorobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2-Dichloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2-Dichloropropane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,3-Dichlorobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,3-Dichloropropane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,4-Dichlorobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
2,2-Dichloropropane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
2-Chlorotoluene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
4-Chlorotoluene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
4-Isopropyltoluene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Benzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Bromobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-5-5.5

Lab ID: 2200255-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Bromodichloromethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Bromoform	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Bromomethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Carbon disulfide	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Carbon tetrachloride	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Chlorobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Chloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Chloroform	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Chloromethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
cis-1,2-Dichloroethene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
cis-1,3-Dichloropropene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Di-isopropyl ether	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Dibromochloromethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Dibromomethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Dichlorodifluoromethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Ethyl Acetate	ND	44	1	B2C0950	03/04/2022	03/04/22 19:36	
Ethyl Ether	ND	44	1	B2C0950	03/04/2022	03/04/22 19:36	
Ethyl tert-butyl ether	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Ethylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Freon-113	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Hexachlorobutadiene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Isopropylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
m,p-Xylene	ND	8.9	1	B2C0950	03/04/2022	03/04/22 19:36	
Methylene chloride	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
MTBE	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
n-Butylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
n-Propylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Naphthalene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
o-Xylene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
sec-Butylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Styrene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
tert-Amyl methyl ether	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
tert-Butanol	ND	89	1	B2C0950	03/04/2022	03/04/22 19:36	
tert-Butylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Tetrachloroethene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Toluene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
trans-1,2-Dichloroethene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
trans-1,3-Dichloropropene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Trichloroethene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Trichlorofluoromethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Client Sample ID: 62-5-5-5.5

Lab ID: 2200255-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	44	1	B2C0950	03/04/2022	03/04/22 19:36	
Vinyl chloride	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Surrogate: 1,2-Dichloroethane-d4	*131 %*	*66 - 200*		B2C0950	03/04/2022	*03/04/22 19:36*	
Surrogate: 4-Bromofluorobenzene	*94.8 %*	*50 - 146*		B2C0950	03/04/2022	*03/04/22 19:36*	
Surrogate: Dibromofluoromethane	*117 %*	*77 - 159*		B2C0950	03/04/2022	*03/04/22 19:36*	
Surrogate: Toluene-d8	*94.0 %*	*81 - 128*		B2C0950	03/04/2022	*03/04/22 19:36*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0881 - EPA 3050B_S										
Blank (B2C0881-BLK1)						Prepared: 3/1/2022 Analyzed: 3/2/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C0881-BS1)						Prepared: 3/1/2022 Analyzed: 3/2/2022				
Antimony	24.7862	2.0	0.51	25.0000		99.1	80 - 120			
Arsenic	25.0077	1.0	0.12	25.0000		100	80 - 120			
Barium	23.2340	1.0	0.12	25.0000		92.9	80 - 120			
Beryllium	25.5016	1.0	0.03	25.0100		102	80 - 120			
Cadmium	25.3218	1.0	0.14	25.0000		101	80 - 120			
Chromium	24.8912	1.0	0.26	25.0000		99.6	80 - 120			
Cobalt	26.2917	1.0	0.07	25.0000		105	80 - 120			
Copper	24.2990	2.0	0.19	25.0000		97.2	80 - 120			
Lead	25.0647	1.0	0.18	25.0000		100	80 - 120			
Molybdenum	25.3943	1.0	0.12	25.0000		102	80 - 120			
Nickel	24.9400	1.0	0.18	25.0000		99.8	80 - 120			
Selenium	25.5998	1.0	0.40	25.0000		102	80 - 120			
Silver	11.5022	1.0	0.12	12.5000		92.0	80 - 120			
Thallium	25.1389	1.0	0.38	25.0000		101	80 - 120			
Vanadium	24.6710	1.0	0.06	25.0000		98.7	80 - 120			
Zinc	24.8261	1.0	0.15	25.0000		99.3	80 - 120			
Matrix Spike (B2C0881-MS1)			**Source: 2200238-14**			Prepared: 3/1/2022 Analyzed: 3/2/2022				
Antimony	16.9834	2.0	0.51	25.0000	0.691168	65.2	0 - 102			
Arsenic	24.6994	1.0	0.12	25.0000	1.48608	92.9	55 - 117			
Barium	73.5248	1.0	0.12	25.0000	53.5217	80.0	11 - 177			
Beryllium	21.3997	1.0	0.03	25.0100	0.681213	82.8	64 - 115			
Cadmium	23.3468	1.0	0.14	25.0000	0.273728	92.3	62 - 116			
Chromium	33.4777	1.0	0.26	25.0000	9.11766	97.4	42 - 145			

GSI Environmental, Inc.
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Project Number : Ontario Airport / 5925
Report To : Josh Voss
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Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0881 - EPA 3050B_S (continued)										
Matrix Spike (B2C0881-MS1) - Continued			**Source: 2200238-14**			Prepared: 3/1/2022 Analyzed: 3/2/2022				
Cobalt	27.7836	1.0	0.07	25.0000	3.76062	96.1	60 - 126			
Copper	35.2591	2.0	0.19	25.0000	7.77102	110	37 - 163			
Lead	31.6591	1.0	0.18	25.0000	8.64828	92.0	26 - 161			
Molybdenum	22.9287	1.0	0.12	25.0000	0.394100	90.1	31 - 122			
Nickel	25.5062	1.0	0.18	25.0000	4.79505	82.8	52 - 130			
Selenium	24.6741	1.0	0.40	25.0000	1.42261	93.0	25 - 129			
Silver	10.3837	1.0	0.12	12.5000	0.489226	79.2	48 - 133			
Thallium	21.9382	1.0	0.38	25.0000	ND	87.8	25 - 119			
Vanadium	35.6635	1.0	0.06	25.0000	10.9398	98.9	51 - 141			
Zinc	91.9639	1.0	0.15	25.0000	63.8226	113	8 - 170			
Matrix Spike Dup (B2C0881-MSD1)			**Source: 2200238-14**			Prepared: 3/1/2022 Analyzed: 3/2/2022				
Antimony	16.9762	2.0	0.51	25.0000	0.691168	65.1	0 - 102	0.0422	20	
Arsenic	23.8670	1.0	0.12	25.0000	1.48608	89.5	55 - 117	3.43	20	
Barium	73.3364	1.0	0.12	25.0000	53.5217	79.3	11 - 177	0.257	20	
Beryllium	21.4628	1.0	0.03	25.0100	0.681213	83.1	64 - 115	0.295	20	
Cadmium	23.4079	1.0	0.14	25.0000	0.273728	92.5	62 - 116	0.262	20	
Chromium	33.6229	1.0	0.26	25.0000	9.11766	98.0	42 - 145	0.433	20	
Cobalt	27.9048	1.0	0.07	25.0000	3.76062	96.6	60 - 126	0.435	20	
Copper	32.4860	2.0	0.19	25.0000	7.77102	98.9	37 - 163	8.19	20	
Lead	32.1893	1.0	0.18	25.0000	8.64828	94.2	26 - 161	1.66	20	
Molybdenum	23.2329	1.0	0.12	25.0000	0.394100	91.4	31 - 122	1.32	20	
Nickel	25.6196	1.0	0.18	25.0000	4.79505	83.3	52 - 130	0.443	20	
Selenium	24.3197	1.0	0.40	25.0000	1.42261	91.6	25 - 129	1.45	20	
Silver	10.5194	1.0	0.12	12.5000	0.489226	80.2	48 - 133	1.30	20	
Thallium	21.5586	1.0	0.38	25.0000	ND	86.2	25 - 119	1.75	20	
Vanadium	35.5472	1.0	0.06	25.0000	10.9398	98.4	51 - 141	0.327	20	
Zinc	91.4778	1.0	0.15	25.0000	63.8226	111	8 - 170	0.530	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0974 - EPA 3050B_S										
Blank (B2C0974-BLK1)						Prepared: 3/7/2022 Analyzed: 3/8/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C0974-BS1)						Prepared: 3/7/2022 Analyzed: 3/8/2022				
Antimony	21.3891	2.0	0.51	25.0000		85.6	80 - 120			
Arsenic	21.5394	1.0	0.12	25.0000		86.2	80 - 120			
Barium	20.7762	1.0	0.12	25.0000		83.1	80 - 120			
Beryllium	22.5598	1.0	0.03	25.0100		90.2	80 - 120			
Cadmium	21.9597	1.0	0.14	25.0000		87.8	80 - 120			
Chromium	21.5158	1.0	0.26	25.0000		86.1	80 - 120			
Cobalt	23.4395	1.0	0.07	25.0000		93.8	80 - 120			
Copper	21.7095	2.0	0.19	25.0000		86.8	80 - 120			
Lead	21.9985	1.0	0.18	25.0000		88.0	80 - 120			
Molybdenum	22.2640	1.0	0.12	25.0000		89.1	80 - 120			
Nickel	22.1768	1.0	0.18	25.0000		88.7	80 - 120			
Selenium	22.1060	1.0	0.40	25.0000		88.4	80 - 120			
Silver	10.4842	1.0	0.12	12.5000		83.9	80 - 120			
Thallium	21.9048	1.0	0.38	25.0000		87.6	80 - 120			
Vanadium	21.4026	1.0	0.06	25.0000		85.6	80 - 120			
Zinc	23.0386	1.0	0.15	25.0000		92.2	80 - 120			
Duplicate (B2C0974-DUP1)				**Source: 2200165-01RE1**		Prepared: 3/7/2022 Analyzed: 3/8/2022				
Antimony	0.818008	2.0	0.51		0.630562			25.9	20	M2
Arsenic	2.34606	1.0	0.12		2.36403			0.763	20	
Barium	91.7734	1.0	0.12		90.8042			1.06	20	
Beryllium	1.90114	1.0	0.03		1.83806			3.37	20	
Cadmium	1.59897	1.0	0.14		1.55574			2.74	20	
Chromium	25.9707	1.0	0.26		25.6820			1.12	20	
Cobalt	5.76131	1.0	0.07		5.55352			3.67	20	
Copper	26.1348	2.0	0.19		27.1936			3.97	20	
Lead	172.374	1.0	0.18		165.590			4.02	20	

GSI Environmental, Inc.
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Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/09/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0974 - EPA 3050B_S (continued)										
Duplicate (B2C0974-DUP1) - Continued			**Source: 2200165-01RE1**			Prepared: 3/7/2022 Analyzed: 3/8/2022				
Molybdenum	1.02543	1.0	0.12		0.981826			4.34	20	
Nickel	7.50430	1.0	0.18		7.30254			2.73	20	
Selenium	ND	1.0	0.40		0.578882			NR	20	
Silver	3.64864	1.0	0.12		3.45294			5.51	20	
Thallium	ND	1.0	0.38		ND			NR	20	
Vanadium	25.7738	1.0	0.06		25.2898			1.90	20	
Zinc	130.834	1.0	0.15		128.999			1.41	20	
Duplicate (B2C0974-DUP2)			**Source: 2200255-01**			Prepared: 3/7/2022 Analyzed: 3/8/2022				
Antimony	ND	2.0	0.51		ND			NR	20	
Arsenic	0.754424	1.0	0.12		ND			NR	20	
Barium	74.4754	1.0	0.12		73.2958			1.60	20	
Beryllium	2.37689	1.0	0.03		2.29351			3.57	20	
Cadmium	0.427004	1.0	0.14		0.396169			7.49	20	
Chromium	13.1991	1.0	0.26		12.8321			2.82	20	
Cobalt	5.18782	1.0	0.07		5.12432			1.23	20	
Copper	9.11548	2.0	0.19		9.21129			1.05	20	
Lead	4.56763	1.0	0.18		4.44157			2.80	20	
Molybdenum	0.194444	1.0	0.12		0.215218			10.1	20	
Nickel	5.30864	1.0	0.18		5.17096			2.63	20	
Selenium	ND	1.0	0.40		ND			NR	20	
Silver	4.88578	1.0	0.12		4.64747			5.00	20	
Thallium	ND	1.0	0.38		ND			NR	20	
Vanadium	30.9149	1.0	0.06		30.2385			2.21	20	
Zinc	34.0925	1.0	0.15		33.3637			2.16	20	
Matrix Spike (B2C0974-MS1)			**Source: 2200165-01RE1**			Prepared: 3/7/2022 Analyzed: 3/8/2022				
Antimony	15.0293	2.0	0.51	25.0000	0.630562	57.6	0 - 102			
Arsenic	23.6446	1.0	0.12	25.0000	2.36403	85.1	55 - 117			
Barium	123.305	1.0	0.12	25.0000	90.8042	130	11 - 177			
Beryllium	14.7182	1.0	0.03	25.0100	1.83806	51.5	64 - 115			M2
Cadmium	21.9887	1.0	0.14	25.0000	1.55574	81.7	62 - 116			
Chromium	45.0687	1.0	0.26	25.0000	25.6820	77.5	42 - 145			
Cobalt	27.6111	1.0	0.07	25.0000	5.55352	88.2	60 - 126			
Copper	51.6025	2.0	0.19	25.0000	27.1936	97.6	37 - 163			
Lead	167.012	1.0	0.18	25.0000	165.590	5.69	26 - 161			M2
Molybdenum	21.0337	1.0	0.12	25.0000	0.981826	80.2	31 - 122			
Nickel	19.5056	1.0	0.18	25.0000	7.30254	48.8	52 - 130			M2
Selenium	21.3487	1.0	0.40	25.0000	0.578882	83.1	25 - 129			
Silver	13.3271	1.0	0.12	12.5000	3.45294	79.0	48 - 133			
Thallium	18.8263	1.0	0.38	25.0000	ND	75.3	25 - 119			
Vanadium	48.4083	1.0	0.06	25.0000	25.2898	92.5	51 - 141			
Zinc	143.966	1.0	0.15	25.0000	128.999	59.9	8 - 170			
Matrix Spike (B2C0974-MS2)			**Source: 2200255-01**			Prepared: 3/7/2022 Analyzed: 3/8/2022				

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/09/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0974 - EPA 3050B_S (continued)										
Matrix Spike (B2C0974-MS2) - Continued			**Source: 2200255-01**			Prepared: 3/7/2022 Analyzed: 3/8/2022				
Antimony	10.7282	2.0	0.51	25.0000	ND	42.9	0 - 102			
Arsenic	20.6166	1.0	0.12	25.0000	ND	82.5	55 - 117			
Barium	94.9798	1.0	0.12	25.0000	73.2958	86.7	11 - 177			
Beryllium	19.0680	1.0	0.03	25.0100	2.29351	67.1	64 - 115			
Cadmium	20.5612	1.0	0.14	25.0000	0.396169	80.7	62 - 116			
Chromium	33.2948	1.0	0.26	25.0000	12.8321	81.9	42 - 145			
Cobalt	27.5853	1.0	0.07	25.0000	5.12432	89.8	60 - 126			
Copper	32.2364	2.0	0.19	25.0000	9.21129	92.1	37 - 163			
Lead	24.8163	1.0	0.18	25.0000	4.44157	81.5	26 - 161			
Molybdenum	20.8385	1.0	0.12	25.0000	0.215218	82.5	31 - 122			
Nickel	20.6523	1.0	0.18	25.0000	5.17096	61.9	52 - 130			
Selenium	21.0722	1.0	0.40	25.0000	ND	84.3	25 - 129			
Silver	15.0836	1.0	0.12	12.5000	4.64747	83.5	48 - 133			
Thallium	19.3834	1.0	0.38	25.0000	ND	77.5	25 - 119			
Vanadium	53.9150	1.0	0.06	25.0000	30.2385	94.7	51 - 141			
Zinc	55.3176	1.0	0.15	25.0000	33.3637	87.8	8 - 170			
Matrix Spike Dup (B2C0974-MSD1)			**Source: 2200165-01RE1**			Prepared: 3/7/2022 Analyzed: 3/8/2022				
Antimony	14.0392	2.0	0.51	25.0000	0.630562	53.6	0 - 102	6.81	20	
Arsenic	22.5117	1.0	0.12	25.0000	2.36403	80.6	55 - 117	4.91	20	
Barium	119.778	1.0	0.12	25.0000	90.8042	116	11 - 177	2.90	20	
Beryllium	14.1920	1.0	0.03	25.0100	1.83806	49.4	64 - 115	3.64	20	M2
Cadmium	21.1849	1.0	0.14	25.0000	1.55574	78.5	62 - 116	3.72	20	
Chromium	44.2063	1.0	0.26	25.0000	25.6820	74.1	42 - 145	1.93	20	
Cobalt	26.7882	1.0	0.07	25.0000	5.55352	84.9	60 - 126	3.03	20	
Copper	48.9601	2.0	0.19	25.0000	27.1936	87.1	37 - 163	5.26	20	
Lead	161.445	1.0	0.18	25.0000	165.590	-16.6	26 - 161	3.39	20	M2
Molybdenum	20.5632	1.0	0.12	25.0000	0.981826	78.3	31 - 122	2.26	20	
Nickel	19.0334	1.0	0.18	25.0000	7.30254	46.9	52 - 130	2.45	20	M2
Selenium	20.5638	1.0	0.40	25.0000	0.578882	79.9	25 - 129	3.75	20	
Silver	12.9682	1.0	0.12	12.5000	3.45294	76.1	48 - 133	2.73	20	
Thallium	18.4042	1.0	0.38	25.0000	ND	73.6	25 - 119	2.27	20	
Vanadium	46.9782	1.0	0.06	25.0000	25.2898	86.8	51 - 141	3.00	20	
Zinc	138.664	1.0	0.15	25.0000	128.999	38.7	8 - 170	3.75	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0888 - EPA 7471_S										
Blank (B2C0888-BLK1)						Prepared: 3/1/2022 Analyzed: 3/3/2022				
Mercury	ND	0.10	0.01							
LCS (B2C0888-BS1)						Prepared: 3/1/2022 Analyzed: 3/3/2022				
Mercury	0.418319	0.10	0.01	0.416667		100	80 - 120			
Matrix Spike (B2C0888-MS1)			**Source: 2200255-03**			Prepared: 3/1/2022 Analyzed: 3/3/2022				
Mercury	0.527309	0.10	0.01	0.416667	0.051047	114	70 - 130			
Matrix Spike Dup (B2C0888-MSD1)			**Source: 2200255-03**			Prepared: 3/1/2022 Analyzed: 3/3/2022				
Mercury	0.529048	0.10	0.01	0.416667	0.051047	115	70 - 130	0.329	20	

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19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0888 - EPA 7471_S									
Post Spike (B2C0888-PS1)			**Source: 2200255-03**		Prepared: 3/1/2022 Analyzed: 3/3/2022				
Mercury	6.4375E-3		5.00000E-3	0.000613	116	85 - 115			M2

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0946 - EPA 7471_S										
Blank (B2C0946-BLK1)						Prepared: 3/4/2022 Analyzed: 3/8/2022				
Mercury	ND	0.10	0.01							
LCS (B2C0946-BS1)						Prepared: 3/4/2022 Analyzed: 3/8/2022				
Mercury	0.423307	0.10	0.01	0.416667		102	80 - 120			
Matrix Spike (B2C0946-MS1)			**Source: 2200255-01**			Prepared: 3/4/2022 Analyzed: 3/8/2022				
Mercury	0.425701	0.10	0.01	0.416667	ND	102	70 - 130			
Matrix Spike Dup (B2C0946-MSD1)			**Source: 2200255-01**			Prepared: 3/4/2022 Analyzed: 3/8/2022				
Mercury	0.423594	0.10	0.01	0.416667	ND	102	70 - 130	0.496	20	

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0946 - EPA 7471_S									
Post Spike (B2C0946-PS1)			**Source: 2200255-01**		Prepared: 3/4/2022 Analyzed: 3/8/2022				
Mercury	0.005005		5.00000E-3	0.000096	98.2	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0890 - GCVOA_S										
Blank (B2C0890-BLK1)						Prepared: 3/2/2022 Analyzed: 3/2/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.5888*			*0.800000*		*73.6*	*47.6 - 121.18*			
LCS (B2C0890-BS1)						Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	4.54700	1.0	0.13	5.00000		90.9	58.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.6493*			*0.800000*		*81.2*	*47.6 - 121.18*			
LCS Dup (B2C0890-BSD1)						Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	5.02400	1.0	0.13	5.00000		100	58.69 - 124.04	9.97	20	
Surrogate: 4-Bromofluorobenzene	*0.6616*			*0.800000*		*82.7*	*47.6 - 121.18*			
Matrix Spike (B2C0890-MS1)			**Source: 2200249-14**			Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	5.04391	1.0	0.13	4.99002	ND	101	37.92 - 128.32			
Surrogate: 4-Bromofluorobenzene	*0.7265*			*0.800000*		*90.8*	*47.6 - 121.18*			
Matrix Spike Dup (B2C0890-MSD1)			**Source: 2200249-14**			Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	4.38623	1.0	0.13	4.99002	ND	87.9	37.92 - 128.32	13.9	20	
Surrogate: 4-Bromofluorobenzene	*0.6700*			*0.800000*		*83.8*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0948 - GCVOA_S										
Blank (B2C0948-BLK1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6809*			*0.800000*		*85.1*	*47.6 - 121.18*			
LCS (B2C0948-BS1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Gasoline Range Organics	4.54400	1.0	0.13	5.00000		90.9	58.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7825*			*0.800000*		*97.8*	*47.6 - 121.18*			
LCS Dup (B2C0948-BSD1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Gasoline Range Organics	4.51000	1.0	0.13	5.00000		90.2	58.69 - 124.04	0.751	20	
Surrogate: 4-Bromofluorobenzene	*0.7890*			*0.800000*		*98.6*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2B1245 - GCSEMI_DRO_S										
Blank (B2B1245-BLK1)						Prepared: 2/28/2022 Analyzed: 3/1/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*72.93*			*80.0000*		*91.2*	*62 - 141*			
LCS (B2B1245-BS1)						Prepared: 2/28/2022 Analyzed: 3/1/2022				
DRO	913.862	10	3.6	1000.00		91.4	56 - 139			
Surrogate: p-Terphenyl	*76.57*			*80.0000*		*95.7*	*62 - 141*			
Matrix Spike (B2B1245-MS1)			**Source: 2200254-01**			Prepared: 2/28/2022 Analyzed: 3/1/2022				
DRO	926.679	10	3.6	1000.00	ND	92.7	38 - 161			
Surrogate: p-Terphenyl	*76.27*			*80.0000*		*95.3*	*62 - 141*			
Matrix Spike Dup (B2B1245-MSD1)			**Source: 2200254-01**			Prepared: 2/28/2022 Analyzed: 3/1/2022				
DRO	902.954	10	3.6	1000.00	ND	90.3	38 - 161	2.59	20	
Surrogate: p-Terphenyl	*74.17*			*80.0000*		*92.7*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0961 - GCSEMI_DRO_S										
Blank (B2C0961-BLK1)						Prepared: 3/4/2022 Analyzed: 3/4/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*78.56*			*80.0000*		*98.2*	*62 - 141*			
LCS (B2C0961-BS1)						Prepared: 3/4/2022 Analyzed: 3/4/2022				
DRO	965.143	10	3.6	1000.00		96.5	56 - 139			
Surrogate: p-Terphenyl	*85.68*			*80.0000*		*107*	*62 - 141*			
Matrix Spike (B2C0961-MS1)			**Source: 2200291-01**			Prepared: 3/4/2022 Analyzed: 3/4/2022				
DRO	1089.66	50	18	1000.00	ND	109	38 - 161			
Surrogate: p-Terphenyl	*78.54*			*80.0000*		*98.2*	*62 - 141*			
Matrix Spike Dup (B2C0961-MSD1)			**Source: 2200291-01**			Prepared: 3/4/2022 Analyzed: 3/4/2022				
DRO	1066.85	50	18	1000.00	ND	107	38 - 161	2.12	20	
Surrogate: p-Terphenyl	*85.08*			*80.0000*		*106*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0950 - MSVOA_S										
Blank (B2C0950-BLK1)						Prepared: 3/4/2022 Analyzed: 3/4/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/09/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0950 - MSVOA_S (continued)										
Blank (B2C0950-BLK1) - Continued						Prepared: 3/4/2022 Analyzed: 3/4/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*62.77*			*50.0000*		*126*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*47.22*			*50.0000*		*94.4*	*50 - 146*			
Surrogate: Dibromofluoromethane	*60.10*			*50.0000*		*120*	*77 - 159*			
Surrogate: Toluene-d8	*48.74*			*50.0000*		*97.5*	*81 - 128*			
LCS (B2C0950-BS1)						Prepared: 3/4/2022 Analyzed: 3/4/2022				
1,1,1,2-Tetrachloroethane	50.0600	5.0	0.52	50.0000		100	84 - 123			
1,1,1-Trichloroethane	51.5600	5.0	0.26	50.0000		103	78 - 133			
1,1,2,2-Tetrachloroethane	43.0100	5.0	0.21	50.0000		86.0	63 - 127			
1,1,2-Trichloroethane	47.7700	5.0	0.40	50.0000		95.5	80 - 125			
1,1-Dichloroethane	48.1600	5.0	1.4	50.0000		96.3	77 - 128			
1,1-Dichloroethene	50.6200	5.0	1.9	50.0000		101	69 - 138			
1,1-Dichloropropene	49.2400	5.0	0.54	50.0000		98.5	80 - 133			
1,2,3-Trichloropropane	46.0100	5.0	0.40	50.0000		92.0	74 - 123			
1,2,3-Trichlorobenzene	46.5100	5.0	0.83	50.0000		93.0	79 - 133			
1,2,4-Trichlorobenzene	45.2300	5.0	0.80	50.0000		90.5	73 - 131			
1,2,4-Trimethylbenzene	46.8400	5.0	0.91	50.0000		93.7	86 - 137			
1,2-Dibromo-3-chloropropane	45.3100	10	1.1	50.0000		90.6	62 - 127			
1,2-Dibromoethane	50.6700	5.0	0.40	50.0000		101	83 - 126			
1,2-Dichlorobenzene	44.9900	5.0	0.21	50.0000		90.0	83 - 123			
1,2-Dichloroethane	51.6000	5.0	0.50	50.0000		103	76 - 128			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/09/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0950 - MSVOA_S (continued)										
LCS (B2C0950-BS1) - Continued						Prepared: 3/4/2022 Analyzed: 3/4/2022				
1,2-Dichloropropane	45.8800	5.0	0.46	50.0000		91.8	77 - 121			
1,3,5-Trimethylbenzene	46.3000	5.0	0.70	50.0000		92.6	84 - 135			
1,3-Dichlorobenzene	47.6900	5.0	0.36	50.0000		95.4	81 - 126			
1,3-Dichloropropane	49.7900	5.0	0.49	50.0000		99.6	80 - 118			
1,4-Dichlorobenzene	44.7900	5.0	0.27	50.0000		89.6	80 - 124			
2,2-Dichloropropane	49.4200	5.0	0.28	50.0000		98.8	72 - 135			
2-Chlorotoluene	48.1200	5.0	0.53	50.0000		96.2	81 - 127			
4-Chlorotoluene	47.0700	5.0	0.40	50.0000		94.1	83 - 127			
4-Isopropyltoluene	46.2500	5.0	0.81	50.0000		92.5	82 - 143			
Benzene	49.3400	5.0	0.36	50.0000		98.7	84 - 123			
Bromobenzene	47.2900	5.0	0.62	50.0000		94.6	80 - 122			
Bromochloromethane	48.9600	5.0	0.30	50.0000		97.9	83 - 127			
Bromodichloromethane	53.9400	5.0	0.52	50.0000		108	82 - 123			
Bromoform	51.4800	5.0	1.4	50.0000		103	80 - 132			
Bromomethane	72.2300	5.0	2.5	50.0000		144	67 - 176			
Carbon disulfide	50.2900	5.0	0.94	50.0000		101	75 - 138			
Carbon tetrachloride	53.1700	5.0	0.73	50.0000		106	76 - 131			
Chlorobenzene	48.4600	5.0	0.42	50.0000		96.9	84 - 119			
Chloroethane	56.4000	5.0	1.5	50.0000		113	56 - 170			
Chloroform	52.3500	5.0	0.24	50.0000		105	78 - 129			
Chloromethane	46.8000	5.0	1.1	50.0000		93.6	63 - 141			
cis-1,2-Dichloroethene	39.0800	5.0	0.20	50.0000		78.2	83 - 125			L3
cis-1,3-Dichloropropene	41.5800	5.0	0.39	50.0000		83.2	76 - 129			
Di-isopropyl ether	44.3600	5.0	1.9	50.0000		88.7	73 - 132			
Dibromochloromethane	46.6600	5.0	0.81	50.0000		93.3	81 - 120			
Dibromomethane	48.8000	5.0	0.23	50.0000		97.6	79 - 124			
Dichlorodifluoromethane	45.9000	5.0	0.14	50.0000		91.8	18 - 199			
Ethyl Acetate	32.4600	50	7.0	500.000		6.49	76 - 138			MO
Ethyl Ether	556.860	50	17	500.000		111	74 - 128			
Ethyl tert-butyl ether	45.5100	5.0	0.85	50.0000		91.0	50 - 175			
Ethylbenzene	48.4300	5.0	0.43	50.0000		96.9	86 - 130			
Freon-113	60.9700	5.0	1.3	50.0000		122	66 - 132			
Hexachlorobutadiene	50.0900	5.0	0.40	50.0000		100	64 - 135			
Isopropylbenzene	48.0700	5.0	0.79	50.0000		96.1	80 - 133			
m,p-Xylene	97.8500	10	0.98	100.000		97.8	89 - 133			
Methylene chloride	49.7600	5.0	2.2	50.0000		99.5	72 - 143			
MTBE	44.9100	5.0	0.81	50.0000		89.8	73 - 136			
n-Butylbenzene	45.4600	5.0	1.2	50.0000		90.9	76 - 144			
n-Propylbenzene	47.0400	5.0	0.78	50.0000		94.1	81 - 136			
Naphthalene	43.4600	5.0	1.1	50.0000		86.9	64 - 128			
o-Xylene	49.2900	5.0	0.67	50.0000		98.6	82 - 134			
sec-Butylbenzene	47.2600	5.0	0.63	50.0000		94.5	81 - 138			
Styrene	47.9100	5.0	0.45	50.0000		95.8	79 - 152			
tert-Amyl methyl ether	46.7900	5.0	1.1	50.0000		93.6	48 - 166			
tert-Butanol	177.910	100	11	250.000		71.2	48 - 148			

GSI Environmental, Inc.
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Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/09/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0950 - MSVOA_S (continued)										
LCS (B2C0950-BS1) - Continued						Prepared: 3/4/2022 Analyzed: 3/4/2022				
tert-Butylbenzene	45.4900	5.0	0.80	50.0000		91.0	81 - 135			
Tetrachloroethene	47.6100	5.0	0.31	50.0000		95.2	75 - 127			
Toluene	49.2100	5.0	0.27	50.0000		98.4	88 - 130			
trans-1,2-Dichloroethene	66.8500	5.0	0.56	50.0000		134	79 - 127			L4
trans-1,3-Dichloropropene	45.0700	5.0	0.59	50.0000		90.1	80 - 130			
Trichloroethene	52.0500	5.0	0.32	50.0000		104	83 - 126			
Trichlorofluoromethane	59.6500	5.0	1.0	50.0000		119	62 - 143			
Vinyl acetate	31.1500	50	6.0	500.000		6.23	69 - 150			MO
Vinyl chloride	53.6600	5.0	0.92	50.0000		107	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*54.26*			*50.0000*		*109*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.17*			*50.0000*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.55*			*50.0000*		*103*	*77 - 159*			
Surrogate: Toluene-d8	*49.64*			*50.0000*		*99.3*	*81 - 128*			
LCS Dup (B2C0950-BSD1)						Prepared: 3/4/2022 Analyzed: 3/4/2022				
1,1,1,2-Tetrachloroethane	50.4500	5.0	0.52	50.0000		101	84 - 123	0.776	20	
1,1,1-Trichloroethane	52.7100	5.0	0.26	50.0000		105	78 - 133	2.21	20	
1,1,2,2-Tetrachloroethane	42.2300	5.0	0.21	50.0000		84.5	63 - 127	1.83	20	
1,1,2-Trichloroethane	47.0100	5.0	0.40	50.0000		94.0	80 - 125	1.60	20	
1,1-Dichloroethane	48.7200	5.0	1.4	50.0000		97.4	77 - 128	1.16	20	
1,1-Dichloroethene	52.1400	5.0	1.9	50.0000		104	69 - 138	2.96	20	
1,1-Dichloropropene	51.3500	5.0	0.54	50.0000		103	80 - 133	4.20	20	
1,2,3-Trichloropropane	45.8900	5.0	0.40	50.0000		91.8	74 - 123	0.261	20	
1,2,3-Trichlorobenzene	44.3900	5.0	0.83	50.0000		88.8	79 - 133	4.66	20	
1,2,4-Trichlorobenzene	44.5300	5.0	0.80	50.0000		89.1	73 - 131	1.56	20	
1,2,4-Trimethylbenzene	45.9000	5.0	0.91	50.0000		91.8	86 - 137	2.03	20	
1,2-Dibromo-3-chloropropane	37.6100	10	1.1	50.0000		75.2	62 - 127	18.6	20	
1,2-Dibromoethane	48.1000	5.0	0.40	50.0000		96.2	83 - 126	5.20	20	
1,2-Dichlorobenzene	44.0000	5.0	0.21	50.0000		88.0	83 - 123	2.22	20	
1,2-Dichloroethane	53.5500	5.0	0.50	50.0000		107	76 - 128	3.71	20	
1,2-Dichloropropane	48.9600	5.0	0.46	50.0000		97.9	77 - 121	6.50	20	
1,3,5-Trimethylbenzene	46.3700	5.0	0.70	50.0000		92.7	84 - 135	0.151	20	
1,3-Dichlorobenzene	44.6900	5.0	0.36	50.0000		89.4	81 - 126	6.49	20	
1,3-Dichloropropane	49.1100	5.0	0.49	50.0000		98.2	80 - 118	1.38	20	
1,4-Dichlorobenzene	44.8200	5.0	0.27	50.0000		89.6	80 - 124	0.0670	20	
2,2-Dichloropropane	49.7700	5.0	0.28	50.0000		99.5	72 - 135	0.706	20	
2-Chlorotoluene	45.4700	5.0	0.53	50.0000		90.9	81 - 127	5.66	20	
4-Chlorotoluene	46.2000	5.0	0.40	50.0000		92.4	83 - 127	1.87	20	
4-Isopropyltoluene	44.7200	5.0	0.81	50.0000		89.4	82 - 143	3.36	20	
Benzene	50.7400	5.0	0.36	50.0000		101	84 - 123	2.80	20	
Bromobenzene	45.8200	5.0	0.62	50.0000		91.6	80 - 122	3.16	20	
Bromochloromethane	48.8300	5.0	0.30	50.0000		97.7	83 - 127	0.266	20	
Bromodichloromethane	55.4200	5.0	0.52	50.0000		111	82 - 123	2.71	20	
Bromoform	49.2900	5.0	1.4	50.0000		98.6	80 - 132	4.35	20	
Bromomethane	69.6200	5.0	2.5	50.0000		139	67 - 176	3.68	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/09/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0950 - MSVOA_S (continued)										
LCS Dup (B2C0950-BSD1) - Continued					Prepared: 3/4/2022 Analyzed: 3/4/2022					
Carbon disulfide	48.6800	5.0	0.94	50.0000		97.4	75 - 138	3.25	20	
Carbon tetrachloride	51.3400	5.0	0.73	50.0000		103	76 - 131	3.50	20	
Chlorobenzene	46.1900	5.0	0.42	50.0000		92.4	84 - 119	4.80	20	
Chloroethane	58.5300	5.0	1.5	50.0000		117	56 - 170	3.71	20	
Chloroform	51.0300	5.0	0.24	50.0000		102	78 - 129	2.55	20	
Chloromethane	49.0700	5.0	1.1	50.0000		98.1	63 - 141	4.74	20	
cis-1,2-Dichloroethene	38.5000	5.0	0.20	50.0000		77.0	83 - 125	1.50	20	L3
cis-1,3-Dichloropropene	43.5800	5.0	0.39	50.0000		87.2	76 - 129	4.70	20	
Di-isopropyl ether	45.6300	5.0	1.9	50.0000		91.3	73 - 132	2.82	20	
Dibromochloromethane	46.3900	5.0	0.81	50.0000		92.8	81 - 120	0.580	20	
Dibromomethane	50.5000	5.0	0.23	50.0000		101	79 - 124	3.42	20	
Dichlorodifluoromethane	45.7600	5.0	0.14	50.0000		91.5	18 - 199	0.305	20	
Ethyl Acetate	13.6400	50	7.0	500.000		2.73	76 - 138	81.6	20	MO, R
Ethyl Ether	576.160	50	17	500.000		115	74 - 128	3.41	20	
Ethyl tert-butyl ether	46.4500	5.0	0.85	50.0000		92.9	50 - 175	2.04	20	
Ethylbenzene	48.7000	5.0	0.43	50.0000		97.4	86 - 130	0.556	20	
Freon-113	55.0700	5.0	1.3	50.0000		110	66 - 132	10.2	20	
Hexachlorobutadiene	45.5800	5.0	0.40	50.0000		91.2	64 - 135	9.43	20	
Isopropylbenzene	47.1000	5.0	0.79	50.0000		94.2	80 - 133	2.04	20	
m,p-Xylene	99.3100	10	0.98	100.000		99.3	89 - 133	1.48	20	
Methylene chloride	49.5100	5.0	2.2	50.0000		99.0	72 - 143	0.504	20	
MTBE	46.2700	5.0	0.81	50.0000		92.5	73 - 136	2.98	20	
n-Butylbenzene	44.4200	5.0	1.2	50.0000		88.8	76 - 144	2.31	20	
n-Propylbenzene	44.9700	5.0	0.78	50.0000		89.9	81 - 136	4.50	20	
Naphthalene	42.0100	5.0	1.1	50.0000		84.0	64 - 128	3.39	20	
o-Xylene	49.0600	5.0	0.67	50.0000		98.1	82 - 134	0.468	20	
sec-Butylbenzene	45.1000	5.0	0.63	50.0000		90.2	81 - 138	4.68	20	
Styrene	48.7000	5.0	0.45	50.0000		97.4	79 - 152	1.64	20	
tert-Amyl methyl ether	47.9000	5.0	1.1	50.0000		95.8	48 - 166	2.34	20	
tert-Butanol	176.550	100	11	250.000		70.6	48 - 148	0.767	20	
tert-Butylbenzene	44.2200	5.0	0.80	50.0000		88.4	81 - 135	2.83	20	
Tetrachloroethene	49.1100	5.0	0.31	50.0000		98.2	75 - 127	3.10	20	
Toluene	50.0700	5.0	0.27	50.0000		100	88 - 130	1.73	20	
trans-1,2-Dichloroethene	66.3600	5.0	0.56	50.0000		133	79 - 127	0.736	20	L4
trans-1,3-Dichloropropene	48.2800	5.0	0.59	50.0000		96.6	80 - 130	6.88	20	
Trichloroethene	50.6500	5.0	0.32	50.0000		101	83 - 126	2.73	20	
Trichlorofluoromethane	54.7000	5.0	1.0	50.0000		109	62 - 143	8.66	20	
Vinyl acetate	22.1200	50	6.0	500.000		4.42	69 - 150	33.9	20	MO, R
Vinyl chloride	53.7900	5.0	0.92	50.0000		108	69 - 140	0.242	20	
Surrogate: 1,2-Dichloroethane-d4	*53.17*			*50.0000*		*106*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.96*			*50.0000*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.69*			*50.0000*		*107*	*77 - 159*			
Surrogate: Toluene-d8	*49.50*			*50.0000*		*99.0*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 2/25/22

Page 1 of 1

2200255

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) Tian Navin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	62-5-1-1	2/25/22	0840	Soil	1	1			X									
2	62-5-1-5.5		0928		5	1	4			X	X	X						
3	62-5-2-1		0955		1	1			X									
4	62-5-2-5.5		1016		5	1	4			X	X	X						
5	62-5-3-1		1040		1	1			X									
6	62-5-3-5.5		1100		5	1	4			X	X	X						
7	62-5-4-1		1134		1	1			X									
8	62-5-4-5.5		1150		5	1	4			X	X	X						
9	62-5-6-1		1230		1	1			X									
10	62-5-6-5.5		1248		5	1	4			X	X	X						
11	62-5-5-1		1322		1	1			X									
12	62-5-5-5.5		1336	↓	5	1	4			X	X	X						
13	TB-20220225	↓	1240	Water	4		4			~~X~~ JCV								X
																		JCV

Relinquished by: (Signature)	Received by: (Signature)	Date: 2/25/22	Time: 1543
Relinquished by: (Signature)	Received by: (Signature)	Date: 2/25/22	Time: 17:11
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 08, 2022

Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200261
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on February 28, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Edward Bae, Project Assistant
Edward.Bae@atlglobal.com
Authorized to Release on 03/08/22 16:49 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.		Project Number :	Ontario Airport / 5925
19200 Von Karman Ave., Suite 800		Report To :	Josh Voss
Irvine , CA 92612		Reported :	03/08/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
62-8-1-1	2200261-01	Soil	2/28/22 9:03	2/28/22 16:50
62-8-1-5.5	2200261-02	Soil	2/28/22 9:25	2/28/22 16:50
62-8-2-1	2200261-03	Soil	2/28/22 10:18	2/28/22 16:50
62-8-2-5.5	2200261-04	Soil	2/28/22 10:55	2/28/22 16:50
62-8-3-1	2200261-05	Soil	2/28/22 11:12	2/28/22 16:50
62-8-3-5.5	2200261-06	Soil	2/28/22 11:40	2/28/22 16:50
62-8-4-1	2200261-07	Soil	2/28/22 12:14	2/28/22 16:50
62-8-4-5.5	2200261-08	Soil	2/28/22 12:48	2/28/22 16:50
62-8-6-1	2200261-09	Soil	2/28/22 13:18	2/28/22 16:50
62-8-6-5.5	2200261-10	Soil	2/28/22 13:38	2/28/22 16:50
62-8-5-1	2200261-11	Soil	2/28/22 14:05	2/28/22 16:50
62-8-5-5.5	2200261-12	Soil	2/28/22 14:25	2/28/22 16:50

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200261-01	62-8-1-1	**ND**	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22 11:40	
2200261-03	62-8-2-1	**ND**	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22 11:43	
2200261-05	62-8-3-1	**ND**	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22 11:46	
2200261-07	62-8-4-1	**ND**	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22 11:49	
2200261-09	62-8-6-1	**ND**	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22 11:51	
2200261-11	62-8-5-1	**0.11**	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22 11:54	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-1-1

Lab ID: 2200261-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Arsenic	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Barium	**68**	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Beryllium	**3.0**	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Cadmium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Chromium	**14**	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Cobalt	**4.6**	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Copper	**8.8**	2.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Lead	**3.1**	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Molybdenum	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Nickel	**4.9**	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Selenium	**1.5**	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Silver	**5.9**	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Thallium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Vanadium	**33**	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Zinc	**31**	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-1-5.5
Lab ID: 2200261-02

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.93	1	B2C0896	03/02/2022	03/02/22 21:01	
Surrogate: 4-Bromofluorobenzene	*84.5 %*	*47.6 - 121.18*		B2C0896	03/02/2022	*03/02/22 21:01*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0885	03/01/2022	03/02/22 15:15	
C23-C32	ND	10	1	B2C0885	03/01/2022	03/02/22 15:15	
Surrogate: p-Terphenyl	*133 %*	*62 - 141*		B2C0885	03/01/2022	*03/02/22 15:15*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: JV

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,1,1-Trichloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,1,2-Trichloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,1-Dichloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,1-Dichloroethene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,1-Dichloropropene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2,3-Trichloropropane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2-Dibromo-3-chloropropane	ND	9.7	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2-Dibromoethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2-Dichlorobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2-Dichloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2-Dichloropropane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,3-Dichlorobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,3-Dichloropropane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,4-Dichlorobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
2,2-Dichloropropane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
2-Chlorotoluene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
4-Chlorotoluene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
4-Isopropyltoluene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Benzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Bromobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-1-5.5
Lab ID: 2200261-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Bromodichloromethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Bromoform	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Bromomethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Carbon disulfide	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Carbon tetrachloride	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Chlorobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Chloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Chloroform	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Chloromethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
cis-1,2-Dichloroethene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
cis-1,3-Dichloropropene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Di-isopropyl ether	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Dibromochloromethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Dibromomethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Dichlorodifluoromethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Ethyl Acetate	ND	49	1	B2C0952	03/04/2022	03/04/22 21:36	
Ethyl Ether	ND	49	1	B2C0952	03/04/2022	03/04/22 21:36	
Ethyl tert-butyl ether	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Ethylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Freon-113	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Hexachlorobutadiene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Isopropylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
m,p-Xylene	ND	9.7	1	B2C0952	03/04/2022	03/04/22 21:36	
Methylene chloride	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
MTBE	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
n-Butylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
n-Propylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Naphthalene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
o-Xylene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
sec-Butylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Styrene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
tert-Amyl methyl ether	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
tert-Butanol	ND	97	1	B2C0952	03/04/2022	03/04/22 21:36	
tert-Butylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Tetrachloroethene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Toluene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
trans-1,2-Dichloroethene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
trans-1,3-Dichloropropene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Trichloroethene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Trichlorofluoromethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-1-5.5
Lab ID: 2200261-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	49	1	B2C0952	03/04/2022	03/04/22 21:36	
Vinyl chloride	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Surrogate: 1,2-Dichloroethane-d4	*121 %*	*66 - 200*		B2C0952	03/04/2022	*03/04/22 21:36*	
Surrogate: 4-Bromofluorobenzene	*96.4 %*	*50 - 146*		B2C0952	03/04/2022	*03/04/22 21:36*	
Surrogate: Dibromofluoromethane	*127 %*	*77 - 159*		B2C0952	03/04/2022	*03/04/22 21:36*	
Surrogate: Toluene-d8	*100 %*	*81 - 128*		B2C0952	03/04/2022	*03/04/22 21:36*	

Client Sample ID: 62-8-2-1
Lab ID: 2200261-03

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Arsenic	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Barium	**73**	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Beryllium	**2.7**	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Cadmium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Chromium	**12**	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Cobalt	**4.5**	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Copper	**8.5**	2.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Lead	**2.9**	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Molybdenum	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Nickel	**4.7**	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Selenium	**1.4**	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Silver	**5.3**	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Thallium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Vanadium	**28**	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Zinc	**29**	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-2-5.5
Lab ID: 2200261-04

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C0896	03/02/2022	03/02/22 21:26	
Surrogate: 4-Bromofluorobenzene	*83.3 %*	*47.6 - 121.18*		B2C0896	03/02/2022	*03/02/22 21:26*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0885	03/01/2022	03/02/22 15:36	
C23-C32	ND	10	1	B2C0885	03/01/2022	03/02/22 15:36	
Surrogate: p-Terphenyl	*121 %*	*62 - 141*		B2C0885	03/01/2022	*03/02/22 15:36*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: JV

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,1,1-Trichloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,1,2,2-Tetrachloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,1,2-Trichloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,1-Dichloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,1-Dichloroethene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,1-Dichloropropene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2,3-Trichloropropane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2,3-Trichlorobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2,4-Trichlorobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2,4-Trimethylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2-Dibromo-3-chloropropane	ND	9.6	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2-Dibromoethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2-Dichlorobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2-Dichloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2-Dichloropropane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,3,5-Trimethylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,3-Dichlorobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,3-Dichloropropane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,4-Dichlorobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
2,2-Dichloropropane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
2-Chlorotoluene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
4-Chlorotoluene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
4-Isopropyltoluene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Benzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Bromobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-2-5.5
Lab ID: 2200261-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Bromodichloromethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Bromoform	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Bromomethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Carbon disulfide	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Carbon tetrachloride	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Chlorobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Chloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Chloroform	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Chloromethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
cis-1,2-Dichloroethene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
cis-1,3-Dichloropropene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Di-isopropyl ether	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Dibromochloromethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Dibromomethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Dichlorodifluoromethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Ethyl Acetate	ND	48	1	B2C0952	03/04/2022	03/04/22 22:01	
Ethyl Ether	ND	48	1	B2C0952	03/04/2022	03/04/22 22:01	
Ethyl tert-butyl ether	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Ethylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Freon-113	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Hexachlorobutadiene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Isopropylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
m,p-Xylene	ND	9.6	1	B2C0952	03/04/2022	03/04/22 22:01	
Methylene chloride	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
MTBE	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
n-Butylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
n-Propylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Naphthalene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
o-Xylene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
sec-Butylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Styrene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
tert-Amyl methyl ether	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
tert-Butanol	ND	96	1	B2C0952	03/04/2022	03/04/22 22:01	
tert-Butylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Tetrachloroethene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Toluene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
trans-1,2-Dichloroethene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
trans-1,3-Dichloropropene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Trichloroethene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Trichlorofluoromethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-2-5.5
Lab ID: 2200261-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	48	1	B2C0952	03/04/2022	03/04/22 22:01	
Vinyl chloride	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Surrogate: 1,2-Dichloroethane-d4	*122 %*	*66 - 200*		B2C0952	03/04/2022	*03/04/22 22:01*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C0952	03/04/2022	*03/04/22 22:01*	
Surrogate: Dibromofluoromethane	*124 %*	*77 - 159*		B2C0952	03/04/2022	*03/04/22 22:01*	
Surrogate: Toluene-d8	*103 %*	*81 - 128*		B2C0952	03/04/2022	*03/04/22 22:01*	

Client Sample ID: 62-8-3-1
Lab ID: 2200261-05

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Arsenic	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Barium	**79**	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Beryllium	**3.0**	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Cadmium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Chromium	**13**	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Cobalt	**5.1**	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Copper	**9.1**	2.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Lead	**2.9**	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Molybdenum	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Nickel	**5.2**	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Selenium	**2.5**	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Silver	**5.9**	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Thallium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Vanadium	**31**	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Zinc	**32**	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-3-5.5
Lab ID: 2200261-06

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C0896	03/02/2022	03/02/22 21:50	
Surrogate: 4-Bromofluorobenzene	*82.1 %*	*47.6 - 121.18*		B2C0896	03/02/2022	*03/02/22 21:50*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0885	03/01/2022	03/02/22 15:57	
C23-C32	ND	10	1	B2C0885	03/01/2022	03/02/22 15:57	
Surrogate: p-Terphenyl	*137 %*	*62 - 141*		B2C0885	03/01/2022	*03/02/22 15:57*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: JV

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,1,1-Trichloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,1,2-Trichloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,1-Dichloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,1-Dichloroethene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,1-Dichloropropene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2,3-Trichloropropane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2-Dibromoethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2-Dichlorobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2-Dichloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2-Dichloropropane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,3-Dichlorobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,3-Dichloropropane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,4-Dichlorobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
2,2-Dichloropropane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
2-Chlorotoluene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
4-Chlorotoluene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
4-Isopropyltoluene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Benzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Bromobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-3-5.5
Lab ID: 2200261-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Bromodichloromethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Bromoform	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Bromomethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Carbon disulfide	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Carbon tetrachloride	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Chlorobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Chloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Chloroform	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Chloromethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
cis-1,2-Dichloroethene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
cis-1,3-Dichloropropene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Di-isopropyl ether	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Dibromochloromethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Dibromomethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Dichlorodifluoromethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Ethyl Acetate	ND	44	1	B2C0952	03/04/2022	03/04/22 22:25	
Ethyl Ether	ND	44	1	B2C0952	03/04/2022	03/04/22 22:25	
Ethyl tert-butyl ether	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Ethylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Freon-113	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Hexachlorobutadiene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Isopropylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
m,p-Xylene	ND	8.8	1	B2C0952	03/04/2022	03/04/22 22:25	
Methylene chloride	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
MTBE	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
n-Butylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
n-Propylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Naphthalene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
o-Xylene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
sec-Butylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Styrene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
tert-Amyl methyl ether	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
tert-Butanol	ND	88	1	B2C0952	03/04/2022	03/04/22 22:25	
tert-Butylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Tetrachloroethene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Toluene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
trans-1,2-Dichloroethene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
trans-1,3-Dichloropropene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Trichloroethene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Trichlorofluoromethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-3-5.5
Lab ID: 2200261-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	44	1	B2C0952	03/04/2022	03/04/22 22:25	
Vinyl chloride	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Surrogate: 1,2-Dichloroethane-d4	*117 %*	*66 - 200*		B2C0952	03/04/2022	*03/04/22 22:25*	
Surrogate: 4-Bromofluorobenzene	*97.3 %*	*50 - 146*		B2C0952	03/04/2022	*03/04/22 22:25*	
Surrogate: Dibromofluoromethane	*127 %*	*77 - 159*		B2C0952	03/04/2022	*03/04/22 22:25*	
Surrogate: Toluene-d8	*101 %*	*81 - 128*		B2C0952	03/04/2022	*03/04/22 22:25*	

Client Sample ID: 62-8-4-1
Lab ID: 2200261-07

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Arsenic	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Barium	**90**	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Beryllium	**3.2**	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Cadmium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Chromium	**16**	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Cobalt	**5.7**	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Copper	**11**	2.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Lead	**3.2**	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Molybdenum	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Nickel	**6.0**	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Selenium	**1.6**	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Silver	**6.4**	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Thallium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Vanadium	**35**	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Zinc	**34**	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-4-5.5
Lab ID: 2200261-08

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.83	1	B2C0896	03/02/2022	03/02/22 22:15	
Surrogate: 4-Bromofluorobenzene	*84.8 %*	*47.6 - 121.18*		B2C0896	03/02/2022	*03/02/22 22:15*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0885	03/01/2022	03/02/22 16:18	
C23-C32	ND	10	1	B2C0885	03/01/2022	03/02/22 16:18	
Surrogate: p-Terphenyl	*109 %*	*62 - 141*		B2C0885	03/01/2022	*03/02/22 16:18*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: JV

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,1,1-Trichloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,1,2-Trichloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,1-Dichloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,1-Dichloroethene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,1-Dichloropropene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2,3-Trichloropropane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2,3-Trichlorobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2,4-Trichlorobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2,4-Trimethylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2-Dibromoethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2-Dichlorobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2-Dichloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2-Dichloropropane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,3,5-Trimethylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,3-Dichlorobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,3-Dichloropropane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,4-Dichlorobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
2,2-Dichloropropane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
2-Chlorotoluene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
4-Chlorotoluene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
4-Isopropyltoluene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Benzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Bromobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-4-5.5
Lab ID: 2200261-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Bromodichloromethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Bromoform	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Bromomethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Carbon disulfide	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Carbon tetrachloride	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Chlorobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Chloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Chloroform	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Chloromethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
cis-1,2-Dichloroethene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
cis-1,3-Dichloropropene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Di-isopropyl ether	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Dibromochloromethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Dibromomethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Dichlorodifluoromethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Ethyl Acetate	ND	51	1	B2C0952	03/04/2022	03/04/22 22:50	
Ethyl Ether	ND	51	1	B2C0952	03/04/2022	03/04/22 22:50	
Ethyl tert-butyl ether	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Ethylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Freon-113	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Hexachlorobutadiene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Isopropylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
m,p-Xylene	ND	10	1	B2C0952	03/04/2022	03/04/22 22:50	
Methylene chloride	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
MTBE	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
n-Butylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
n-Propylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Naphthalene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
o-Xylene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
sec-Butylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Styrene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
tert-Amyl methyl ether	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
tert-Butanol	ND	100	1	B2C0952	03/04/2022	03/04/22 22:50	
tert-Butylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Tetrachloroethene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Toluene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
trans-1,2-Dichloroethene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
trans-1,3-Dichloropropene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Trichloroethene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Trichlorofluoromethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-4-5.5
Lab ID: 2200261-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	51	1	B2C0952	03/04/2022	03/04/22 22:50	
Vinyl chloride	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Surrogate: 1,2-Dichloroethane-d4	*119 %*	*66 - 200*		B2C0952	03/04/2022	*03/04/22 22:50*	
Surrogate: 4-Bromofluorobenzene	*95.6 %*	*50 - 146*		B2C0952	03/04/2022	*03/04/22 22:50*	
Surrogate: Dibromofluoromethane	*120 %*	*77 - 159*		B2C0952	03/04/2022	*03/04/22 22:50*	
Surrogate: Toluene-d8	*99.0 %*	*81 - 128*		B2C0952	03/04/2022	*03/04/22 22:50*	

Client Sample ID: 62-8-6-1
Lab ID: 2200261-09

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Arsenic	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Barium	**82**	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Beryllium	**3.1**	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Cadmium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Chromium	**15**	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Cobalt	**5.2**	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Copper	**10**	2.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Lead	**3.0**	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Molybdenum	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Nickel	**5.6**	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Selenium	**1.5**	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Silver	**6.1**	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Thallium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Vanadium	**33**	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Zinc	**34**	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-6-5.5
Lab ID: 2200261-10

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C0896	03/02/2022	03/02/22 22:39	
Surrogate: 4-Bromofluorobenzene	*81.7 %*	*47.6 - 121.18*		B2C0896	03/02/2022	*03/02/22 22:39*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0885	03/01/2022	03/02/22 16:38	
C23-C32	ND	10	1	B2C0885	03/01/2022	03/02/22 16:38	
Surrogate: p-Terphenyl	*105 %*	*62 - 141*		B2C0885	03/01/2022	*03/02/22 16:38*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: JV

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,1,1-Trichloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,1,2-Trichloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,1-Dichloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,1-Dichloroethene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,1-Dichloropropene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2,3-Trichloropropane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2-Dibromoethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2-Dichlorobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2-Dichloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2-Dichloropropane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,3-Dichlorobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,3-Dichloropropane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,4-Dichlorobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
2,2-Dichloropropane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
2-Chlorotoluene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
4-Chlorotoluene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
4-Isopropyltoluene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Benzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Bromobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-6-5.5
Lab ID: 2200261-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Bromodichloromethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Bromoform	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Bromomethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Carbon disulfide	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Carbon tetrachloride	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Chlorobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Chloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Chloroform	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Chloromethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
cis-1,2-Dichloroethene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
cis-1,3-Dichloropropene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Di-isopropyl ether	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Dibromochloromethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Dibromomethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Dichlorodifluoromethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Ethyl Acetate	ND	45	1	B2C0952	03/04/2022	03/04/22 23:15	
Ethyl Ether	ND	45	1	B2C0952	03/04/2022	03/04/22 23:15	
Ethyl tert-butyl ether	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Ethylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Freon-113	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Hexachlorobutadiene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Isopropylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
m,p-Xylene	ND	9.1	1	B2C0952	03/04/2022	03/04/22 23:15	
Methylene chloride	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
MTBE	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
n-Butylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
n-Propylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Naphthalene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
o-Xylene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
sec-Butylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Styrene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
tert-Amyl methyl ether	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
tert-Butanol	ND	91	1	B2C0952	03/04/2022	03/04/22 23:15	
tert-Butylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Tetrachloroethene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Toluene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
trans-1,2-Dichloroethene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
trans-1,3-Dichloropropene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Trichloroethene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Trichlorofluoromethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-6-5.5
Lab ID: 2200261-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	45	1	B2C0952	03/04/2022	03/04/22 23:15	
Vinyl chloride	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Surrogate: 1,2-Dichloroethane-d4	*121 %*	*66 - 200*		B2C0952	03/04/2022	*03/04/22 23:15*	
Surrogate: 4-Bromofluorobenzene	*99.8 %*	*50 - 146*		B2C0952	03/04/2022	*03/04/22 23:15*	
Surrogate: Dibromofluoromethane	*119 %*	*77 - 159*		B2C0952	03/04/2022	*03/04/22 23:15*	
Surrogate: Toluene-d8	*101 %*	*81 - 128*		B2C0952	03/04/2022	*03/04/22 23:15*	

Client Sample ID: 62-8-5-1
Lab ID: 2200261-11

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Arsenic	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Barium	**78**	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Beryllium	**2.8**	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Cadmium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Chromium	**13**	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Cobalt	**4.7**	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Copper	**9.2**	2.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Lead	**2.8**	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Molybdenum	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Nickel	**5.0**	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Selenium	**1.0**	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Silver	**5.5**	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Thallium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Vanadium	**30**	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Zinc	**31**	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-5-5.5
Lab ID: 2200261-12

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C0896	03/02/2022	03/02/22 23:04	
Surrogate: 4-Bromofluorobenzene	*81.7 %*	*47.6 - 121.18*		B2C0896	03/02/2022	*03/02/22 23:04*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0885	03/01/2022	03/02/22 16:59	
C23-C32	ND	10	1	B2C0885	03/01/2022	03/02/22 16:59	
Surrogate: p-Terphenyl	*132 %*	*62 - 141*		B2C0885	03/01/2022	*03/02/22 16:59*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: JV

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,1,1-Trichloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,1,2,2-Tetrachloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,1,2-Trichloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,1-Dichloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,1-Dichloroethene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,1-Dichloropropene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2,3-Trichloropropane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2,3-Trichlorobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2,4-Trichlorobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2,4-Trimethylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2-Dibromo-3-chloropropane	ND	12	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2-Dibromoethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2-Dichlorobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2-Dichloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2-Dichloropropane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,3,5-Trimethylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,3-Dichlorobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,3-Dichloropropane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,4-Dichlorobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
2,2-Dichloropropane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
2-Chlorotoluene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
4-Chlorotoluene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
4-Isopropyltoluene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Benzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Bromobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-5-5.5
Lab ID: 2200261-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Bromodichloromethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Bromoform	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Bromomethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Carbon disulfide	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Carbon tetrachloride	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Chlorobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Chloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Chloroform	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Chloromethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
cis-1,2-Dichloroethene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
cis-1,3-Dichloropropene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Di-isopropyl ether	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Dibromochloromethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Dibromomethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Dichlorodifluoromethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Ethyl Acetate	ND	59	1	B2C0952	03/04/2022	03/04/22 23:39	
Ethyl Ether	ND	59	1	B2C0952	03/04/2022	03/04/22 23:39	
Ethyl tert-butyl ether	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Ethylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Freon-113	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Hexachlorobutadiene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Isopropylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
m,p-Xylene	ND	12	1	B2C0952	03/04/2022	03/04/22 23:39	
Methylene chloride	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
MTBE	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
n-Butylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
n-Propylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Naphthalene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
o-Xylene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
sec-Butylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Styrene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
tert-Amyl methyl ether	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
tert-Butanol	ND	120	1	B2C0952	03/04/2022	03/04/22 23:39	
tert-Butylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Tetrachloroethene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Toluene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
trans-1,2-Dichloroethene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
trans-1,3-Dichloropropene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Trichloroethene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Trichlorofluoromethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-8-5-5.5
Lab ID: 2200261-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	59	1	B2C0952	03/04/2022	03/04/22 23:39	
Vinyl chloride	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Surrogate: 1,2-Dichloroethane-d4	*121 %*	*66 - 200*		B2C0952	03/04/2022	*03/04/22 23:39*	
Surrogate: 4-Bromofluorobenzene	*97.8 %*	*50 - 146*		B2C0952	03/04/2022	*03/04/22 23:39*	
Surrogate: Dibromofluoromethane	*120 %*	*77 - 159*		B2C0952	03/04/2022	*03/04/22 23:39*	
Surrogate: Toluene-d8	*105 %*	*81 - 128*		B2C0952	03/04/2022	*03/04/22 23:39*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0882 - EPA 3050B_S										
Blank (B2C0882-BLK1)						Prepared: 3/1/2022 Analyzed: 3/2/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C0882-BS1)						Prepared: 3/1/2022 Analyzed: 3/2/2022				
Antimony	23.8932	2.0	0.51	25.0000		95.6	80 - 120			
Arsenic	24.4616	1.0	0.12	25.0000		97.8	80 - 120			
Barium	23.5601	1.0	0.12	25.0000		94.2	80 - 120			
Beryllium	25.8191	1.0	0.03	25.0100		103	80 - 120			
Cadmium	24.8226	1.0	0.14	25.0000		99.3	80 - 120			
Chromium	25.1925	1.0	0.26	25.0000		101	80 - 120			
Cobalt	25.9262	1.0	0.07	25.0000		104	80 - 120			
Copper	24.9652	2.0	0.19	25.0000		99.9	80 - 120			
Lead	24.7393	1.0	0.18	25.0000		99.0	80 - 120			
Molybdenum	25.1988	1.0	0.12	25.0000		101	80 - 120			
Nickel	24.8419	1.0	0.18	25.0000		99.4	80 - 120			
Selenium	24.9699	1.0	0.40	25.0000		99.9	80 - 120			
Silver	11.8814	1.0	0.12	12.5000		95.1	80 - 120			
Thallium	24.6595	1.0	0.38	25.0000		98.6	80 - 120			
Vanadium	24.8801	1.0	0.06	25.0000		99.5	80 - 120			
Zinc	24.5317	1.0	0.15	25.0000		98.1	80 - 120			
Matrix Spike (B2C0882-MS1)			**Source: 2200249-04**			Prepared: 3/1/2022 Analyzed: 3/2/2022				
Antimony	16.1514	2.0	0.51	25.0000	0.565071	62.3	0 - 102			
Arsenic	26.5704	1.0	0.12	25.0000	4.09008	89.9	55 - 117			
Barium	92.6840	1.0	0.12	25.0000	65.5182	109	11 - 177			
Beryllium	21.9747	1.0	0.03	25.0100	0.878282	84.4	64 - 115			
Cadmium	23.5439	1.0	0.14	25.0000	0.300122	93.0	62 - 116			
Chromium	34.7110	1.0	0.26	25.0000	11.4053	93.2	42 - 145			

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
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Irvine , CA 92612	Reported : 03/08/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0882 - EPA 3050B_S (continued)										
Matrix Spike (B2C0882-MS1) - Continued			**Source: 2200249-04**			Prepared: 3/1/2022 Analyzed: 3/2/2022				
Cobalt	27.7624	1.0	0.07	25.0000	3.65825	96.4	60 - 126			
Copper	33.4537	2.0	0.19	25.0000	8.52801	99.7	37 - 163			
Lead	29.4408	1.0	0.18	25.0000	6.41400	92.1	26 - 161			
Molybdenum	23.3248	1.0	0.12	25.0000	0.289084	92.1	31 - 122			
Nickel	26.3721	1.0	0.18	25.0000	5.08547	85.1	52 - 130			
Selenium	24.8444	1.0	0.40	25.0000	1.71271	92.5	25 - 129			
Silver	11.1002	1.0	0.12	12.5000	0.903274	81.6	48 - 133			
Thallium	22.3119	1.0	0.38	25.0000	ND	89.2	25 - 119			
Vanadium	40.7877	1.0	0.06	25.0000	15.9117	99.5	51 - 141			
Zinc	99.7776	1.0	0.15	25.0000	85.8255	55.8	8 - 170			
Matrix Spike Dup (B2C0882-MSD1)			**Source: 2200249-04**			Prepared: 3/1/2022 Analyzed: 3/2/2022				
Antimony	16.5732	2.0	0.51	25.0000	0.565071	64.0	0 - 102	2.58	20	
Arsenic	26.9077	1.0	0.12	25.0000	4.09008	91.3	55 - 117	1.26	20	
Barium	93.7386	1.0	0.12	25.0000	65.5182	113	11 - 177	1.13	20	
Beryllium	22.6561	1.0	0.03	25.0100	0.878282	87.1	64 - 115	3.05	20	
Cadmium	24.4692	1.0	0.14	25.0000	0.300122	96.7	62 - 116	3.85	20	
Chromium	35.2368	1.0	0.26	25.0000	11.4053	95.3	42 - 145	1.50	20	
Cobalt	28.6209	1.0	0.07	25.0000	3.65825	99.9	60 - 126	3.05	20	
Copper	33.2781	2.0	0.19	25.0000	8.52801	99.0	37 - 163	0.526	20	
Lead	30.2729	1.0	0.18	25.0000	6.41400	95.4	26 - 161	2.79	20	
Molybdenum	23.9582	1.0	0.12	25.0000	0.289084	94.7	31 - 122	2.68	20	
Nickel	26.8926	1.0	0.18	25.0000	5.08547	87.2	52 - 130	1.95	20	
Selenium	25.5501	1.0	0.40	25.0000	1.71271	95.3	25 - 129	2.80	20	
Silver	11.2352	1.0	0.12	12.5000	0.903274	82.7	48 - 133	1.21	20	
Thallium	22.6650	1.0	0.38	25.0000	ND	90.7	25 - 119	1.57	20	
Vanadium	41.1981	1.0	0.06	25.0000	15.9117	101	51 - 141	1.00	20	
Zinc	101.751	1.0	0.15	25.0000	85.8255	63.7	8 - 170	1.96	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0888 - EPA 7471_S										
Blank (B2C0888-BLK1)						Prepared: 3/1/2022 Analyzed: 3/3/2022				
Mercury	ND	0.10	0.01							
LCS (B2C0888-BS1)						Prepared: 3/1/2022 Analyzed: 3/3/2022				
Mercury	0.418319	0.10	0.01	0.416667		100	80 - 120			
Matrix Spike (B2C0888-MS1)			**Source: 2200255-03**			Prepared: 3/1/2022 Analyzed: 3/3/2022				
Mercury	0.527309	0.10	0.01	0.416667	0.051047	114	70 - 130			
Matrix Spike Dup (B2C0888-MSD1)			**Source: 2200255-03**			Prepared: 3/1/2022 Analyzed: 3/3/2022				
Mercury	0.529048	0.10	0.01	0.416667	0.051047	115	70 - 130	0.329	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0888 - EPA 7471_S									
Post Spike (B2C0888-PS1)			**Source: 2200255-03**		Prepared: 3/1/2022 Analyzed: 3/3/2022				
Mercury	6.4375E-3		5.00000E-3	0.000613	116	85 - 115			M2

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0896 - GCVOA_S										
Blank (B2C0896-BLK1)						Prepared: 3/2/2022 Analyzed: 3/2/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.5731*			*0.800000*		*71.6*	*47.6 - 121.18*			
LCS (B2C0896-BS1)						Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	4.97000	1.0	0.13	5.00000		99.4	58.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.6799*			*0.800000*		*85.0*	*47.6 - 121.18*			
LCS Dup (B2C0896-BSD1)						Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	4.79700	1.0	0.13	5.00000		95.9	58.69 - 124.04	3.54	20	
Surrogate: 4-Bromofluorobenzene	*0.6481*			*0.800000*		*81.0*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0885 - GCSEMI_DRO_S										
Blank (B2C0885-BLK1)						Prepared: 3/1/2022 Analyzed: 3/2/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*88.11*			*80.0000*		*110*	*62 - 141*			
LCS (B2C0885-BS1)						Prepared: 3/1/2022 Analyzed: 3/2/2022				
DRO	1017.62	10	3.6	1000.00		102	56 - 139			
Surrogate: p-Terphenyl	*89.73*			*80.0000*		*112*	*62 - 141*			
Matrix Spike (B2C0885-MS1)			**Source: 2200256-04**			Prepared: 3/1/2022 Analyzed: 3/2/2022				
DRO	1022.82	10	3.6	1000.00	5.99000	102	38 - 161			
Surrogate: p-Terphenyl	*88.14*			*80.0000*		*110*	*62 - 141*			
Matrix Spike Dup (B2C0885-MSD1)			**Source: 2200256-04**			Prepared: 3/1/2022 Analyzed: 3/2/2022				
DRO	1002.83	10	3.6	1000.00	5.99000	99.7	38 - 161	1.97	20	
Surrogate: p-Terphenyl	*88.15*			*80.0000*		*110*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0952 - MSVOA_S										
Blank (B2C0952-BLK1)						Prepared: 3/4/2022 Analyzed: 3/4/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Josh Voss
Reported : 03/08/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0952 - MSVOA_S (continued)										
Blank (B2C0952-BLK1) - Continued						Prepared: 3/4/2022 Analyzed: 3/4/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*53.19*			*50.0000*		*106*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*49.33*			*50.0000*		*98.7*	*50 - 146*			
Surrogate: Dibromofluoromethane	*59.22*			*50.0000*		*118*	*77 - 159*			
Surrogate: Toluene-d8	*50.35*			*50.0000*		*101*	*81 - 128*			
LCS (B2C0952-BS1)						Prepared: 3/4/2022 Analyzed: 3/4/2022				
1,1,1,2-Tetrachloroethane	48.4000	5.0	0.52	50.0000		96.8	84 - 123			
1,1,1-Trichloroethane	61.9300	5.0	0.26	50.0000		124	78 - 133			
1,1,2,2-Tetrachloroethane	51.4400	5.0	0.21	50.0000		103	63 - 127			
1,1,2-Trichloroethane	52.7900	5.0	0.40	50.0000		106	80 - 125			
1,1-Dichloroethane	58.6000	5.0	1.4	50.0000		117	77 - 128			
1,1-Dichloroethene	57.4400	5.0	1.9	50.0000		115	69 - 138			
1,1-Dichloropropene	52.5300	5.0	0.54	50.0000		105	80 - 133			
1,2,3-Trichloropropane	48.7700	5.0	0.40	50.0000		97.5	74 - 123			
1,2,3-Trichlorobenzene	48.8200	5.0	0.83	50.0000		97.6	79 - 133			
1,2,4-Trichlorobenzene	50.5100	5.0	0.80	50.0000		101	73 - 131			
1,2,4-Trimethylbenzene	48.1800	5.0	0.91	50.0000		96.4	86 - 137			
1,2-Dibromo-3-chloropropane	49.3400	10	1.1	50.0000		98.7	62 - 127			
1,2-Dibromoethane	54.8500	5.0	0.40	50.0000		110	83 - 126			
1,2-Dichlorobenzene	48.9800	5.0	0.21	50.0000		98.0	83 - 123			
1,2-Dichloroethane	51.4200	5.0	0.50	50.0000		103	76 - 128			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0952 - MSVOA_S (continued)										
LCS (B2C0952-BS1) - Continued						Prepared: 3/4/2022 Analyzed: 3/4/2022				
1,2-Dichloropropane	52.6100	5.0	0.46	50.0000		105	77 - 121			
1,3,5-Trimethylbenzene	47.9900	5.0	0.70	50.0000		96.0	84 - 135			
1,3-Dichlorobenzene	48.0400	5.0	0.36	50.0000		96.1	81 - 126			
1,3-Dichloropropane	50.8700	5.0	0.49	50.0000		102	80 - 118			
1,4-Dichlorobenzene	48.5500	5.0	0.27	50.0000		97.1	80 - 124			
2,2-Dichloropropane	59.1100	5.0	0.28	50.0000		118	72 - 135			
2-Chlorotoluene	49.0300	5.0	0.53	50.0000		98.1	81 - 127			
4-Chlorotoluene	49.1700	5.0	0.40	50.0000		98.3	83 - 127			
4-Isopropyltoluene	48.6300	5.0	0.81	50.0000		97.3	82 - 143			
Benzene	54.8300	5.0	0.36	50.0000		110	84 - 123			
Bromobenzene	48.9300	5.0	0.62	50.0000		97.9	80 - 122			
Bromochloromethane	61.2800	5.0	0.30	50.0000		123	83 - 127			
Bromodichloromethane	55.8400	5.0	0.52	50.0000		112	82 - 123			
Bromoform	49.4000	5.0	1.4	50.0000		98.8	80 - 132			
Bromomethane	56.9500	5.0	2.5	50.0000		114	67 - 176			
Carbon disulfide	39.7100	5.0	0.94	50.0000		79.4	75 - 138			
Carbon tetrachloride	52.8300	5.0	0.73	50.0000		106	76 - 131			
Chlorobenzene	49.9300	5.0	0.42	50.0000		99.9	84 - 119			
Chloroethane	67.1700	5.0	1.5	50.0000		134	56 - 170			
Chloroform	60.0800	5.0	0.24	50.0000		120	78 - 129			
Chloromethane	49.8200	5.0	1.1	50.0000		99.6	63 - 141			
cis-1,2-Dichloroethene	49.2700	5.0	0.20	50.0000		98.5	83 - 125			
cis-1,3-Dichloropropene	52.6400	5.0	0.39	50.0000		105	76 - 129			
Di-isopropyl ether	57.7600	5.0	1.9	50.0000		116	73 - 132			
Dibromochloromethane	51.0700	5.0	0.81	50.0000		102	81 - 120			
Dibromomethane	54.9300	5.0	0.23	50.0000		110	79 - 124			
Dichlorodifluoromethane	46.7900	5.0	0.14	50.0000		93.6	18 - 199			
Ethyl Acetate	45.7300	50	7.0	500.000		9.15	76 - 138			MO
Ethyl Ether	531.350	50	17	500.000		106	74 - 128			
Ethyl tert-butyl ether	58.5700	5.0	0.85	50.0000		117	50 - 175			
Ethylbenzene	50.3400	5.0	0.43	50.0000		101	86 - 130			
Freon-113	50.7300	5.0	1.3	50.0000		101	66 - 132			
Hexachlorobutadiene	49.8000	5.0	0.40	50.0000		99.6	64 - 135			
Isopropylbenzene	50.2900	5.0	0.79	50.0000		101	80 - 133			
m,p-Xylene	96.8700	10	0.98	100.000		96.9	89 - 133			
Methylene chloride	62.1000	5.0	2.2	50.0000		124	72 - 143			
MTBE	59.9200	5.0	0.81	50.0000		120	73 - 136			
n-Butylbenzene	48.9200	5.0	1.2	50.0000		97.8	76 - 144			
n-Propylbenzene	48.2000	5.0	0.78	50.0000		96.4	81 - 136			
Naphthalene	50.1700	5.0	1.1	50.0000		100	64 - 128			
o-Xylene	50.9700	5.0	0.67	50.0000		102	82 - 134			
sec-Butylbenzene	49.0100	5.0	0.63	50.0000		98.0	81 - 138			
Styrene	48.1300	5.0	0.45	50.0000		96.3	79 - 152			
tert-Amyl methyl ether	61.1400	5.0	1.1	50.0000		122	48 - 166			
tert-Butanol	265.670	100	11	250.000		106	48 - 148			

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0952 - MSVOA_S (continued)										
LCS (B2C0952-BS1) - Continued						Prepared: 3/4/2022 Analyzed: 3/4/2022				
tert-Butylbenzene	48.2300	5.0	0.80	50.0000		96.5	81 - 135			
Tetrachloroethene	50.1100	5.0	0.31	50.0000		100	75 - 127			
Toluene	55.3500	5.0	0.27	50.0000		111	88 - 130			
trans-1,2-Dichloroethene	75.1600	5.0	0.56	50.0000		150	79 - 127			L5
trans-1,3-Dichloropropene	51.5500	5.0	0.59	50.0000		103	80 - 130			
Trichloroethene	55.6500	5.0	0.32	50.0000		111	83 - 126			
Trichlorofluoromethane	62.8200	5.0	1.0	50.0000		126	62 - 143			
Vinyl acetate	45.9300	50	6.0	500.000		9.19	69 - 150			MO
Vinyl chloride	56.7900	5.0	0.92	50.0000		114	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*52.66*			*50.0000*		*105*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.69*			*50.0000*		*101*	*50 - 146*			
Surrogate: Dibromofluoromethane	*59.30*			*50.0000*		*119*	*77 - 159*			
Surrogate: Toluene-d8	*50.50*			*50.0000*		*101*	*81 - 128*			
LCS Dup (B2C0952-BSD1)						Prepared: 3/4/2022 Analyzed: 3/4/2022				
1,1,1,2-Tetrachloroethane	47.0800	5.0	0.52	50.0000		94.2	84 - 123	2.76	20	
1,1,1-Trichloroethane	60.3400	5.0	0.26	50.0000		121	78 - 133	2.60	20	
1,1,2,2-Tetrachloroethane	52.5400	5.0	0.21	50.0000		105	63 - 127	2.12	20	
1,1,2-Trichloroethane	52.5400	5.0	0.40	50.0000		105	80 - 125	0.475	20	
1,1-Dichloroethane	57.6500	5.0	1.4	50.0000		115	77 - 128	1.63	20	
1,1-Dichloroethene	56.4600	5.0	1.9	50.0000		113	69 - 138	1.72	20	
1,1-Dichloropropene	50.5000	5.0	0.54	50.0000		101	80 - 133	3.94	20	
1,2,3-Trichloropropane	47.6800	5.0	0.40	50.0000		95.4	74 - 123	2.26	20	
1,2,3-Trichlorobenzene	50.7900	5.0	0.83	50.0000		102	79 - 133	3.96	20	
1,2,4-Trichlorobenzene	50.6500	5.0	0.80	50.0000		101	73 - 131	0.277	20	
1,2,4-Trimethylbenzene	48.9300	5.0	0.91	50.0000		97.9	86 - 137	1.54	20	
1,2-Dibromo-3-chloropropane	49.7200	10	1.1	50.0000		99.4	62 - 127	0.767	20	
1,2-Dibromoethane	54.2200	5.0	0.40	50.0000		108	83 - 126	1.16	20	
1,2-Dichlorobenzene	49.2500	5.0	0.21	50.0000		98.5	83 - 123	0.550	20	
1,2-Dichloroethane	50.8500	5.0	0.50	50.0000		102	76 - 128	1.11	20	
1,2-Dichloropropane	50.9500	5.0	0.46	50.0000		102	77 - 121	3.21	20	
1,3,5-Trimethylbenzene	47.2500	5.0	0.70	50.0000		94.5	84 - 135	1.55	20	
1,3-Dichlorobenzene	48.4200	5.0	0.36	50.0000		96.8	81 - 126	0.788	20	
1,3-Dichloropropane	50.8000	5.0	0.49	50.0000		102	80 - 118	0.138	20	
1,4-Dichlorobenzene	49.0500	5.0	0.27	50.0000		98.1	80 - 124	1.02	20	
2,2-Dichloropropane	58.0700	5.0	0.28	50.0000		116	72 - 135	1.78	20	
2-Chlorotoluene	48.7100	5.0	0.53	50.0000		97.4	81 - 127	0.655	20	
4-Chlorotoluene	48.8800	5.0	0.40	50.0000		97.8	83 - 127	0.592	20	
4-Isopropyltoluene	48.2100	5.0	0.81	50.0000		96.4	82 - 143	0.867	20	
Benzene	53.2700	5.0	0.36	50.0000		107	84 - 123	2.89	20	
Bromobenzene	50.5000	5.0	0.62	50.0000		101	80 - 122	3.16	20	
Bromochloromethane	62.0800	5.0	0.30	50.0000		124	83 - 127	1.30	20	
Bromodichloromethane	53.7800	5.0	0.52	50.0000		108	82 - 123	3.76	20	
Bromoform	48.1000	5.0	1.4	50.0000		96.2	80 - 132	2.67	20	
Bromomethane	55.5100	5.0	2.5	50.0000		111	67 - 176	2.56	20	

Certificate of Analysis

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Irvine , CA 92612	Reported : 03/08/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0952 - MSVOA_S (continued)										
LCS Dup (B2C0952-BSD1) - Continued						Prepared: 3/4/2022 Analyzed: 3/4/2022				
Carbon disulfide	38.9100	5.0	0.94	50.0000		77.8	75 - 138	2.04	20	
Carbon tetrachloride	50.3700	5.0	0.73	50.0000		101	76 - 131	4.77	20	
Chlorobenzene	48.4400	5.0	0.42	50.0000		96.9	84 - 119	3.03	20	
Chloroethane	63.6400	5.0	1.5	50.0000		127	56 - 170	5.40	20	
Chloroform	60.0800	5.0	0.24	50.0000		120	78 - 129	0.00	20	
Chloromethane	49.6500	5.0	1.1	50.0000		99.3	63 - 141	0.342	20	
cis-1,2-Dichloroethene	46.3900	5.0	0.20	50.0000		92.8	83 - 125	6.02	20	
cis-1,3-Dichloropropene	52.4300	5.0	0.39	50.0000		105	76 - 129	0.400	20	
Di-isopropyl ether	56.8800	5.0	1.9	50.0000		114	73 - 132	1.54	20	
Dibromochloromethane	48.3700	5.0	0.81	50.0000		96.7	81 - 120	5.43	20	
Dibromomethane	53.5800	5.0	0.23	50.0000		107	79 - 124	2.49	20	
Dichlorodifluoromethane	44.3000	5.0	0.14	50.0000		88.6	18 - 199	5.47	20	
Ethyl Acetate	19.3000	50	7.0	500.000		3.86	76 - 138	81.3	20	MO, R
Ethyl Ether	538.650	50	17	500.000		108	74 - 128	1.36	20	
Ethyl tert-butyl ether	60.1000	5.0	0.85	50.0000		120	50 - 175	2.58	20	
Ethylbenzene	48.4900	5.0	0.43	50.0000		97.0	86 - 130	3.74	20	
Freon-113	50.7700	5.0	1.3	50.0000		102	66 - 132	0.0788	20	
Hexachlorobutadiene	50.0200	5.0	0.40	50.0000		100	64 - 135	0.441	20	
Isopropylbenzene	49.9100	5.0	0.79	50.0000		99.8	80 - 133	0.758	20	
m,p-Xylene	94.6700	10	0.98	100.000		94.7	89 - 133	2.30	20	
Methylene chloride	61.0800	5.0	2.2	50.0000		122	72 - 143	1.66	20	
MTBE	60.0000	5.0	0.81	50.0000		120	73 - 136	0.133	20	
n-Butylbenzene	48.0500	5.0	1.2	50.0000		96.1	76 - 144	1.79	20	
n-Propylbenzene	46.8700	5.0	0.78	50.0000		93.7	81 - 136	2.80	20	
Naphthalene	51.8200	5.0	1.1	50.0000		104	64 - 128	3.24	20	
o-Xylene	50.1600	5.0	0.67	50.0000		100	82 - 134	1.60	20	
sec-Butylbenzene	48.8800	5.0	0.63	50.0000		97.8	81 - 138	0.266	20	
Styrene	47.4500	5.0	0.45	50.0000		94.9	79 - 152	1.42	20	
tert-Amyl methyl ether	62.7100	5.0	1.1	50.0000		125	48 - 166	2.54	20	
tert-Butanol	269.320	100	11	250.000		108	48 - 148	1.36	20	
tert-Butylbenzene	49.1100	5.0	0.80	50.0000		98.2	81 - 135	1.81	20	
Tetrachloroethene	48.1000	5.0	0.31	50.0000		96.2	75 - 127	4.09	20	
Toluene	52.1800	5.0	0.27	50.0000		104	88 - 130	5.90	20	
trans-1,2-Dichloroethene	75.6400	5.0	0.56	50.0000		151	79 - 127	0.637	20	L5
trans-1,3-Dichloropropene	48.5500	5.0	0.59	50.0000		97.1	80 - 130	5.99	20	
Trichloroethene	52.2100	5.0	0.32	50.0000		104	83 - 126	6.38	20	
Trichlorofluoromethane	62.6800	5.0	1.0	50.0000		125	62 - 143	0.223	20	
Vinyl acetate	24.5700	50	6.0	500.000		4.91	69 - 150	60.6	20	MO, R
Vinyl chloride	56.8300	5.0	0.92	50.0000		114	69 - 140	0.0704	20	
Surrogate: 1,2-Dichloroethane-d4	*53.85*			*50.0000*		*108*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.36*			*50.0000*		*101*	*50 - 146*			
Surrogate: Dibromofluoromethane	*59.52*			*50.0000*		*119*	*77 - 159*			
Surrogate: Toluene-d8	*50.53*			*50.0000*		*101*	*81 - 128*			

GSI ENVIRONMENTAL

4.0 C

CHAIN-OF-CUSTODY RECORD
Date: 2/28/22
Page 1 of 1

2200261

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) Tian Novin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	62-8-1-1	2/28/22	0903	Soil	1	1			X									
2	62-8-1-5.5		0925		5	1	4			X	X	X						
3	62-8-2-1		1018		1	1			X									
4	62-8-2-5.5		1055		5	1	4			X	X	X						
5	62-8-3-1		1112		1	1			X									
6	62-8-3-5.5		1140		5	1	4			X	X	X						
7	62-8-4-1		1214		1	1			X									
8	62-8-4-5.5		1248		5	1	4			X	X	X						
9	62-8-6-1		1318		1	1			X									
10	62-8-6-5.5		1338		5	1	4			X	X	X						
11	62-8-5-1		1405		1	1			X									
12	62-8-5-5.5		1425		5	1	4			X	X	X						
13	EB-1-20220228		1440	Water	5	1	4											X
14	TB-20220228		1445	Water	4		4											X

Relinquished by: (Signature)	Received by: (Signature)	Date: 2/28/22	Time: 1518
Relinquished by: (Signature)	Received by: (Signature) Danny L ATL	Date: 2/28/22	Time: 16:50
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 08, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200272
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 01, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,



Christine Caballero, Client Relations Manager
Christine.Caballero@atlglobal.com
Authorized to Release on 03/08/22 21:10 on Behalf of



Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so
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The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
62-9-1-1	2200272-01	Soil	3/01/22 9:00	3/01/22 18:58
62-9-1-6	2200272-02	Soil	3/01/22 9:15	3/01/22 18:58
62-9-1-15	2200272-03	Soil	3/01/22 9:22	3/01/22 18:58
62-9-2-1	2200272-04	Soil	3/01/22 9:58	3/01/22 18:58
62-9-2-5.5	2200272-05	Soil	3/01/22 10:15	3/01/22 18:58
62-9-3-1	2200272-06	Soil	3/01/22 10:45	3/01/22 18:58
62-9-3-6	2200272-07	Soil	3/01/22 11:00	3/01/22 18:58
62-9-4-1	2200272-08	Soil	3/01/22 11:35	3/01/22 18:58
62-9-4-5.5	2200272-09	Soil	3/01/22 11:50	3/01/22 18:58
62-2-3-1	2200272-10	Soil	3/01/22 13:00	3/01/22 18:58
62-2-3-6	2200272-11	Soil	3/01/22 13:15	3/01/22 18:58
62-2-1-1	2200272-12	Soil	3/01/22 13:42	3/01/22 18:58
62-2-1-6	2200272-13	Soil	3/01/22 13:55	3/01/22 18:58
TB-20220301	2200272-14	Water	3/01/22 14:15	3/01/22 18:58

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Notes and Definitions

S4	Surrogate was diluted out.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M6	Matrix spike analyte was diluted out.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
D10	Sample required dilution due to dark sample
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200272-01	62-9-1-1	**ND**	mg/kg	0.10	1	B2C0905	03/03/2022	03/03/22 16:26	
2200272-04	62-9-2-1	**ND**	mg/kg	0.10	1	B2C0905	03/03/2022	03/03/22 16:39	
2200272-06	62-9-3-1	**ND**	mg/kg	0.10	1	B2C0905	03/03/2022	03/03/22 16:42	
2200272-08	62-9-4-1	**ND**	mg/kg	0.10	1	B2C0905	03/03/2022	03/03/22 16:45	
2200272-10	62-2-3-1	**ND**	mg/kg	0.10	1	B2C0905	03/03/2022	03/03/22 16:48	
2200272-12	62-2-1-1	**ND**	mg/kg	0.10	1	B2C0905	03/03/2022	03/03/22 16:57	

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Client Sample ID: 62-9-1-1

Lab ID: 2200272-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Arsenic	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Barium	**110**	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Beryllium	**3.4**	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Cadmium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Chromium	**17**	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Cobalt	**5.1**	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Copper	**12**	2.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Lead	**3.4**	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Molybdenum	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Nickel	**6.6**	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Selenium	**1.9**	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Silver	**6.7**	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Thallium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Vanadium	**39**	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Zinc	**43**	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
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Client Sample ID: 62-9-1-6
Lab ID: 2200272-02

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C0948	03/07/2022	03/07/22 15:52	
Surrogate: 4-Bromofluorobenzene	*92.2 %*	*47.6 - 121.18*		B2C0948	03/07/2022	*03/07/22 15:52*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0911	03/02/2022	03/02/22 18:57	
C23-C32	**11**	10	1	B2C0911	03/02/2022	03/02/22 18:57	
Surrogate: p-Terphenyl	*94.3 %*	*62 - 141*		B2C0911	03/02/2022	*03/02/22 18:57*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,1,1-Trichloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,1,2,2-Tetrachloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,1,2-Trichloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,1-Dichloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,1-Dichloroethene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,1-Dichloropropene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2,3-Trichloropropane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2,3-Trichlorobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2,4-Trichlorobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2,4-Trimethylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2-Dibromoethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2-Dichlorobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2-Dichloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2-Dichloropropane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,3,5-Trimethylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,3-Dichlorobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,3-Dichloropropane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,4-Dichlorobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
2,2-Dichloropropane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
2-Chlorotoluene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
4-Chlorotoluene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
4-Isopropyltoluene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Benzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	

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Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-1-6

Lab ID: 2200272-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Bromochloromethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Bromodichloromethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Bromoform	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Bromomethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Carbon disulfide	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Carbon tetrachloride	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Chlorobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Chloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Chloroform	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Chloromethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
cis-1,2-Dichloroethene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
cis-1,3-Dichloropropene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Di-isopropyl ether	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Dibromochloromethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Dibromomethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Dichlorodifluoromethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Ethyl Acetate	ND	57	1	B2C0978	03/07/2022	03/07/22 16:27	
Ethyl Ether	ND	57	1	B2C0978	03/07/2022	03/07/22 16:27	
Ethyl tert-butyl ether	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Ethylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Freon-113	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Hexachlorobutadiene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Isopropylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
m,p-Xylene	ND	11	1	B2C0978	03/07/2022	03/07/22 16:27	
Methylene chloride	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
MTBE	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
n-Butylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
n-Propylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Naphthalene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
o-Xylene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
sec-Butylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Styrene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
tert-Amyl methyl ether	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
tert-Butanol	ND	110	1	B2C0978	03/07/2022	03/07/22 16:27	
tert-Butylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Tetrachloroethene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Toluene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
trans-1,2-Dichloroethene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
trans-1,3-Dichloropropene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	

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Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-1-6

Lab ID: 2200272-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Trichlorofluoromethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Vinyl acetate	ND	57	1	B2C0978	03/07/2022	03/07/22 16:27	
Vinyl chloride	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Surrogate: 1,2-Dichloroethane-d4	*127 %*	*66 - 200*		B2C0978	03/07/2022	*03/07/22 16:27*	
Surrogate: 4-Bromofluorobenzene	*98.9 %*	*50 - 146*		B2C0978	03/07/2022	*03/07/22 16:27*	
Surrogate: Dibromofluoromethane	*113 %*	*77 - 159*		B2C0978	03/07/2022	*03/07/22 16:27*	
Surrogate: Toluene-d8	*95.9 %*	*81 - 128*		B2C0978	03/07/2022	*03/07/22 16:27*	

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
1,2-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
1,3-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
1,4-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2,4,5-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2,4,6-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2,4-Dichlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
2,4-Dimethylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2,4-Dinitrophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
2,4-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2,6-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2-Chloronaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2-Chlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2-Methylnaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
2-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
3,3´-Dichlorobenzidine	ND	660	1	B2C0908	03/02/2022	03/03/22 20:15	
3-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
4,6-Dinitro-2-methyphenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Bromophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Chloro-3-methylphenol	ND	660	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Chloroaniline	ND	660	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Chlorophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	

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Client Sample ID: 62-9-1-6

Lab ID: 2200272-02

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Acenaphthylene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzidine (M)	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzo(a)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzo(a)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzo(b)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzo(g,h,i)perylene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzo(k)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzoic acid	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzyl alcohol	ND	660	1	B2C0908	03/02/2022	03/03/22 20:15	
bis(2-chloroethoxy)methane	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
bis(2-Chloroethyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
bis(2-chloroisopropyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Butylbenzylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Chrysene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Di-n-butylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Di-n-octylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Dibenz(a,h)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Dibenzofuran	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Diethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Dimethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Fluorene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Hexachlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Hexachlorobutadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 20:15	
Hexachlorocyclopentadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 20:15	
Hexachloroethane	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Isophorone	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
N-Nitroso-di-n propylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
N-Nitrosodiphenylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Naphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Nitrobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Pentachlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
Phenanthrene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Phenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Pyridine	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-1-6

Lab ID: 2200272-02

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 1,2-Dichlorobenzene-d4	*60.9 %*	*23 - 102*		B2C0908	03/02/2022	*03/03/22 20:15*	
Surrogate: 2,4,6-Tribromophenol	*59.9 %*	*3 - 138*		B2C0908	03/02/2022	*03/03/22 20:15*	
Surrogate: 2-Chlorophenol-d4	*63.1 %*	*18 - 105*		B2C0908	03/02/2022	*03/03/22 20:15*	
Surrogate: 2-Fluorobiphenyl	*71.0 %*	*34 - 106*		B2C0908	03/02/2022	*03/03/22 20:15*	
Surrogate: 2-Fluorophenol	*58.3 %*	*16 - 94*		B2C0908	03/02/2022	*03/03/22 20:15*	
Surrogate: 4-Terphenyl-d14	*86.0 %*	*31 - 130*		B2C0908	03/02/2022	*03/03/22 20:15*	
Surrogate: Nitrobenzene-d5	*56.3 %*	*23 - 102*		B2C0908	03/02/2022	*03/03/22 20:15*	
Surrogate: Phenol-d6	*56.6 %*	*14 - 104*		B2C0908	03/02/2022	*03/03/22 20:15*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-1-15
Lab ID: 2200272-03

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.98	1	B2C0948	03/07/2022	03/07/22 16:17	
Surrogate: 4-Bromofluorobenzene	*89.1 %*	*47.6 - 121.18*		B2C0948	03/07/2022	*03/07/22 16:17*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0911	03/02/2022	03/02/22 19:15	
C23-C32	ND	10	1	B2C0911	03/02/2022	03/02/22 19:15	
Surrogate: p-Terphenyl	*94.0 %*	*62 - 141*		B2C0911	03/02/2022	*03/02/22 19:15*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,1,1-Trichloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,1,2-Trichloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,1-Dichloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,1-Dichloroethene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,1-Dichloropropene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2,3-Trichloropropane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2-Dibromo-3-chloropropane	ND	9.3	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2-Dibromoethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2-Dichlorobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2-Dichloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2-Dichloropropane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,3-Dichlorobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,3-Dichloropropane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,4-Dichlorobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
2,2-Dichloropropane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
2-Chlorotoluene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
4-Chlorotoluene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
4-Isopropyltoluene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Benzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-1-15
Lab ID: 2200272-03

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Bromochloromethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Bromodichloromethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Bromoform	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Bromomethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Carbon disulfide	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Carbon tetrachloride	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Chlorobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Chloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Chloroform	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Chloromethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
cis-1,2-Dichloroethene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
cis-1,3-Dichloropropene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Di-isopropyl ether	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Dibromochloromethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Dibromomethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Dichlorodifluoromethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Ethyl Acetate	ND	46	1	B2C0978	03/07/2022	03/07/22 16:53	
Ethyl Ether	ND	46	1	B2C0978	03/07/2022	03/07/22 16:53	
Ethyl tert-butyl ether	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Ethylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Freon-113	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Hexachlorobutadiene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Isopropylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
m,p-Xylene	ND	9.3	1	B2C0978	03/07/2022	03/07/22 16:53	
Methylene chloride	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
MTBE	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
n-Butylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
n-Propylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Naphthalene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
o-Xylene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
sec-Butylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Styrene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
tert-Amyl methyl ether	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
tert-Butanol	ND	93	1	B2C0978	03/07/2022	03/07/22 16:53	
tert-Butylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Tetrachloroethene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Toluene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
trans-1,2-Dichloroethene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
trans-1,3-Dichloropropene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-1-15
Lab ID: 2200272-03

Volatile Organic Compounds by EPA 5035 / EPA 8260B — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Trichlorofluoromethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Vinyl acetate	ND	46	1	B2C0978	03/07/2022	03/07/22 16:53	
Vinyl chloride	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Surrogate: 1,2-Dichloroethane-d4	*138 %*	*66 - 200*		B2C0978	03/07/2022	*03/07/22 16:53*	
Surrogate: 4-Bromofluorobenzene	*93.1 %*	*50 - 146*		B2C0978	03/07/2022	*03/07/22 16:53*	
Surrogate: Dibromofluoromethane	*123 %*	*77 - 159*		B2C0978	03/07/2022	*03/07/22 16:53*	
Surrogate: Toluene-d8	*94.1 %*	*81 - 128*		B2C0978	03/07/2022	*03/07/22 16:53*	

Client Sample ID: 62-9-2-1
Lab ID: 2200272-04

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Arsenic	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Barium	**87**	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Beryllium	**2.6**	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Cadmium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Chromium	**16**	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Cobalt	**5.2**	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Copper	**10**	2.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Lead	**5.0**	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Molybdenum	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Nickel	**8.1**	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Selenium	**2.5**	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Silver	**5.1**	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Thallium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Vanadium	**33**	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Zinc	**37**	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-2-5.5
Lab ID: 2200272-05

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.3	1	B2C0948	03/07/2022	03/07/22 16:41	
Surrogate: 4-Bromofluorobenzene	*89.8 %*	*47.6 - 121.18*		B2C0948	03/07/2022	*03/07/22 16:41*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0911	03/02/2022	03/02/22 19:34	
C23-C32	**11**	10	1	B2C0911	03/02/2022	03/02/22 19:34	
Surrogate: p-Terphenyl	*94.9 %*	*62 - 141*		B2C0911	03/02/2022	*03/02/22 19:34*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,1,1-Trichloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,1,2,2-Tetrachloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,1,2-Trichloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,1-Dichloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,1-Dichloroethene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,1-Dichloropropene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2,3-Trichloropropane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2,3-Trichlorobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2,4-Trichlorobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2,4-Trimethylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2-Dibromoethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2-Dichlorobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2-Dichloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2-Dichloropropane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,3,5-Trimethylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,3-Dichlorobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,3-Dichloropropane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,4-Dichlorobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
2,2-Dichloropropane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
2-Chlorotoluene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
4-Chlorotoluene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
4-Isopropyltoluene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Benzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-2-5.5

Lab ID: 2200272-05

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Bromochloromethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Bromodichloromethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Bromoform	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Bromomethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Carbon disulfide	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Carbon tetrachloride	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Chlorobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Chloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Chloroform	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Chloromethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
cis-1,2-Dichloroethene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
cis-1,3-Dichloropropene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Di-isopropyl ether	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Dibromochloromethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Dibromomethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Dichlorodifluoromethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Ethyl Acetate	ND	53	1	B2C0978	03/07/2022	03/07/22 17:19	
Ethyl Ether	ND	53	1	B2C0978	03/07/2022	03/07/22 17:19	
Ethyl tert-butyl ether	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Ethylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Freon-113	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Hexachlorobutadiene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Isopropylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
m,p-Xylene	ND	11	1	B2C0978	03/07/2022	03/07/22 17:19	
Methylene chloride	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
MTBE	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
n-Butylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
n-Propylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Naphthalene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
o-Xylene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
sec-Butylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Styrene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
tert-Amyl methyl ether	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
tert-Butanol	ND	110	1	B2C0978	03/07/2022	03/07/22 17:19	
tert-Butylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Tetrachloroethene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Toluene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
trans-1,2-Dichloroethene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
trans-1,3-Dichloropropene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-2-5.5
Lab ID: 2200272-05

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Trichlorofluoromethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Vinyl acetate	ND	53	1	B2C0978	03/07/2022	03/07/22 17:19	
Vinyl chloride	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Surrogate: 1,2-Dichloroethane-d4	*149 %*	*66 - 200*		B2C0978	03/07/2022	*03/07/22 17:19*	
Surrogate: 4-Bromofluorobenzene	*94.1 %*	*50 - 146*		B2C0978	03/07/2022	*03/07/22 17:19*	
Surrogate: Dibromofluoromethane	*125 %*	*77 - 159*		B2C0978	03/07/2022	*03/07/22 17:19*	
Surrogate: Toluene-d8	*93.4 %*	*81 - 128*		B2C0978	03/07/2022	*03/07/22 17:19*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
1,2-Dichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
1,3-Dichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
1,4-Dichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,4,5-Trichlorophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,4,6-Trichlorophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,4-Dichlorophenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,4-Dimethylphenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,4-Dinitrophenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,4-Dinitrotoluene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,6-Dinitrotoluene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2-Chloronaphthalene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2-Chlorophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2-Methylnaphthalene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2-Methylphenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2-Nitroaniline	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2-Nitrophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
3,3´-Dichlorobenzidine	ND	13000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
3-Nitroaniline	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4,6-Dinitro-2-methyphenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Bromophenyl-phenylether	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Chloro-3-methylphenol	ND	13000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Chloroaniline	ND	13000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Chlorophenyl-phenylether	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Methylphenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Nitroaniline	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Nitrophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-2-5.5

Lab ID: 2200272-05

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Acenaphthylene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Anthracene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzidine (M)	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzo(a)anthracene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzo(a)pyrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzo(b)fluoranthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzo(g,h,i)perylene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzo(k)fluoranthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzoic acid	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzyl alcohol	ND	13000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
bis(2-chloroethoxy)methane	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
bis(2-Chloroethyl)ether	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
bis(2-chloroisopropyl)ether	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
bis(2-ethylhexyl)phthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Butylbenzylphthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Chrysene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Di-n-butylphthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Di-n-octylphthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Dibenz(a,h)anthracene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Dibenzofuran	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Diethyl phthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Dimethyl phthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Fluoranthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Fluorene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Hexachlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Hexachlorobutadiene	ND	13000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Hexachlorocyclopentadiene	ND	13000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Hexachloroethane	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Indeno(1,2,3-cd)pyrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Isophorone	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
N-Nitroso-di-n propylamine	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
N-Nitrosodiphenylamine	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Naphthalene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Nitrobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Pentachlorophenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Phenanthrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Phenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Pyrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Pyridine	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-2-5.5
Lab ID: 2200272-05

Semivolatile Organic Compounds by EPA 8270C — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 1,2-Dichlorobenzene-d4	*63.0 %*	*23 - 102*		B2C0908	03/02/2022	*03/03/22 20:42*	
Surrogate: 2,4,6-Tribromophenol	*0%*	*3 - 138*		B2C0908	03/02/2022	*03/03/22 20:42*	S4
Surrogate: 2-Chlorophenol-d4	*34.4 %*	*18 - 105*		B2C0908	03/02/2022	*03/03/22 20:42*	
Surrogate: 2-Fluorobiphenyl	*52.0 %*	*34 - 106*		B2C0908	03/02/2022	*03/03/22 20:42*	
Surrogate: 2-Fluorophenol	*12.4 %*	*16 - 94*		B2C0908	03/02/2022	*03/03/22 20:42*	S4
Surrogate: 4-Terphenyl-d14	*55.6 %*	*31 - 130*		B2C0908	03/02/2022	*03/03/22 20:42*	
Surrogate: Nitrobenzene-d5	*4.00 %*	*23 - 102*		B2C0908	03/02/2022	*03/03/22 20:42*	S4
Surrogate: Phenol-d6	*3.33 %*	*14 - 104*		B2C0908	03/02/2022	*03/03/22 20:42*	S4

Client Sample ID: 62-9-3-1
Lab ID: 2200272-06

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Arsenic	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Barium	**90**	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Beryllium	**2.7**	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Cadmium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Chromium	**16**	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Cobalt	**5.3**	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Copper	**10**	2.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Lead	**5.2**	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Molybdenum	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Nickel	**6.8**	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Selenium	**2.9**	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Silver	**5.4**	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Thallium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Vanadium	**34**	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Zinc	**41**	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-3-6

Lab ID: 2200272-07

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.97	1	B2C0948	03/07/2022	03/07/22 17:06	
Surrogate: 4-Bromofluorobenzene	*92.3 %*	*47.6 - 121.18*		B2C0948	03/07/2022	*03/07/22 17:06*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0911	03/02/2022	03/02/22 19:52	
C23-C32	**10**	10	1	B2C0911	03/02/2022	03/02/22 19:52	
Surrogate: p-Terphenyl	*102 %*	*62 - 141*		B2C0911	03/02/2022	*03/02/22 19:52*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,1,1-Trichloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,1,2,2-Tetrachloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,1,2-Trichloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,1-Dichloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,1-Dichloroethene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,1-Dichloropropene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2,3-Trichloropropane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2,3-Trichlorobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2,4-Trichlorobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2,4-Trimethylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2-Dibromoethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2-Dichlorobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2-Dichloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2-Dichloropropane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,3,5-Trimethylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,3-Dichlorobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,3-Dichloropropane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,4-Dichlorobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
2,2-Dichloropropane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
2-Chlorotoluene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
4-Chlorotoluene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
4-Isopropyltoluene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Benzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-3-6

Lab ID: 2200272-07

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Bromochloromethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Bromodichloromethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Bromoform	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Bromomethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Carbon disulfide	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Carbon tetrachloride	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Chlorobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Chloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Chloroform	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Chloromethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
cis-1,2-Dichloroethene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
cis-1,3-Dichloropropene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Di-isopropyl ether	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Dibromochloromethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Dibromomethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Dichlorodifluoromethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Ethyl Acetate	ND	56	1	B2C0978	03/07/2022	03/07/22 17:45	
Ethyl Ether	ND	56	1	B2C0978	03/07/2022	03/07/22 17:45	
Ethyl tert-butyl ether	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Ethylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Freon-113	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Hexachlorobutadiene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Isopropylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
m,p-Xylene	ND	11	1	B2C0978	03/07/2022	03/07/22 17:45	
Methylene chloride	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
MTBE	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
n-Butylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
n-Propylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Naphthalene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
o-Xylene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
sec-Butylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Styrene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
tert-Amyl methyl ether	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
tert-Butanol	ND	110	1	B2C0978	03/07/2022	03/07/22 17:45	
tert-Butylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Tetrachloroethene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Toluene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
trans-1,2-Dichloroethene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
trans-1,3-Dichloropropene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-3-6

Lab ID: 2200272-07

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Trichlorofluoromethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Vinyl acetate	ND	56	1	B2C0978	03/07/2022	03/07/22 17:45	
Vinyl chloride	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Surrogate: 1,2-Dichloroethane-d4	*144 %*	*66 - 200*		B2C0978	03/07/2022	*03/07/22 17:45*	
Surrogate: 4-Bromofluorobenzene	*93.6 %*	*50 - 146*		B2C0978	03/07/2022	*03/07/22 17:45*	
Surrogate: Dibromofluoromethane	*119 %*	*77 - 159*		B2C0978	03/07/2022	*03/07/22 17:45*	
Surrogate: Toluene-d8	*94.0 %*	*81 - 128*		B2C0978	03/07/2022	*03/07/22 17:45*	

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
1,2-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
1,3-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
1,4-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2,4,5-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2,4,6-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2,4-Dichlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
2,4-Dimethylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2,4-Dinitrophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
2,4-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2,6-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2-Chloronaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2-Chlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2-Methylnaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
2-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
3,3´-Dichlorobenzidine	ND	660	1	B2C0908	03/02/2022	03/03/22 21:08	
3-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
4,6-Dinitro-2-methyphenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Bromophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Chloro-3-methylphenol	ND	660	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Chloroaniline	ND	660	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Chlorophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-3-6

Lab ID: 2200272-07

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Acenaphthylene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzidine (M)	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzo(a)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzo(a)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzo(b)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzo(g,h,i)perylene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzo(k)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzoic acid	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzyl alcohol	ND	660	1	B2C0908	03/02/2022	03/03/22 21:08	
bis(2-chloroethoxy)methane	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
bis(2-Chloroethyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
bis(2-chloroisopropyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Butylbenzylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Chrysene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Di-n-butylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Di-n-octylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Dibenz(a,h)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Dibenzofuran	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Diethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Dimethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Fluorene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Hexachlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Hexachlorobutadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 21:08	
Hexachlorocyclopentadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 21:08	
Hexachloroethane	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Isophorone	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
N-Nitroso-di-n propylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
N-Nitrosodiphenylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Naphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Nitrobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Pentachlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
Phenanthrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Phenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Pyridine	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-3-6
Lab ID: 2200272-07

Semivolatile Organic Compounds by EPA 8270C — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 1,2-Dichlorobenzene-d4	*62.3 %*	*23 - 102*		B2C0908	03/02/2022	*03/03/22 21:08*	
Surrogate: 2,4,6-Tribromophenol	*51.5 %*	*3 - 138*		B2C0908	03/02/2022	*03/03/22 21:08*	
Surrogate: 2-Chlorophenol-d4	*62.5 %*	*18 - 105*		B2C0908	03/02/2022	*03/03/22 21:08*	
Surrogate: 2-Fluorobiphenyl	*65.2 %*	*34 - 106*		B2C0908	03/02/2022	*03/03/22 21:08*	
Surrogate: 2-Fluorophenol	*55.7 %*	*16 - 94*		B2C0908	03/02/2022	*03/03/22 21:08*	
Surrogate: 4-Terphenyl-d14	*83.5 %*	*31 - 130*		B2C0908	03/02/2022	*03/03/22 21:08*	
Surrogate: Nitrobenzene-d5	*53.2 %*	*23 - 102*		B2C0908	03/02/2022	*03/03/22 21:08*	
Surrogate: Phenol-d6	*57.2 %*	*14 - 104*		B2C0908	03/02/2022	*03/03/22 21:08*	

Client Sample ID: 62-9-4-1
Lab ID: 2200272-08

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Arsenic	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Barium	**97**	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Beryllium	**3.2**	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Cadmium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Chromium	**16**	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Cobalt	**5.5**	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Copper	**11**	2.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Lead	**3.5**	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Molybdenum	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Nickel	**6.8**	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Selenium	**2.7**	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Silver	**6.3**	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Thallium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Vanadium	**36**	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Zinc	**40**	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-4-5.5
Lab ID: 2200272-09

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C0948	03/07/2022	03/07/22 17:36	
Surrogate: 4-Bromofluorobenzene	*92.3 %*	*47.6 - 121.18*		B2C0948	03/07/2022	*03/07/22 17:36*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0911	03/02/2022	03/02/22 20:11	
C23-C32	**11**	10	1	B2C0911	03/02/2022	03/02/22 20:11	
Surrogate: p-Terphenyl	*86.8 %*	*62 - 141*		B2C0911	03/02/2022	*03/02/22 20:11*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,1,1-Trichloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,1,2,2-Tetrachloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,1,2-Trichloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,1-Dichloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,1-Dichloroethene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,1-Dichloropropene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2,3-Trichloropropane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2,3-Trichlorobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2,4-Trichlorobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2,4-Trimethylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2-Dibromo-3-chloropropane	ND	12	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2-Dibromoethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2-Dichlorobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2-Dichloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2-Dichloropropane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,3,5-Trimethylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,3-Dichlorobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,3-Dichloropropane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,4-Dichlorobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
2,2-Dichloropropane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
2-Chlorotoluene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
4-Chlorotoluene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
4-Isopropyltoluene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Benzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-4-5.5

Lab ID: 2200272-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Bromochloromethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Bromodichloromethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Bromoform	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Bromomethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Carbon disulfide	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Carbon tetrachloride	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Chlorobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Chloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Chloroform	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Chloromethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
cis-1,2-Dichloroethene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
cis-1,3-Dichloropropene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Di-isopropyl ether	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Dibromochloromethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Dibromomethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Dichlorodifluoromethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Ethyl Acetate	ND	58	1	B2C0978	03/07/2022	03/07/22 18:11	
Ethyl Ether	ND	58	1	B2C0978	03/07/2022	03/07/22 18:11	
Ethyl tert-butyl ether	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Ethylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Freon-113	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Hexachlorobutadiene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Isopropylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
m,p-Xylene	ND	12	1	B2C0978	03/07/2022	03/07/22 18:11	
Methylene chloride	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
MTBE	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
n-Butylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
n-Propylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Naphthalene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
o-Xylene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
sec-Butylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Styrene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
tert-Amyl methyl ether	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
tert-Butanol	ND	120	1	B2C0978	03/07/2022	03/07/22 18:11	
tert-Butylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Tetrachloroethene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Toluene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
trans-1,2-Dichloroethene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
trans-1,3-Dichloropropene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-4-5.5
Lab ID: 2200272-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Trichlorofluoromethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Vinyl acetate	ND	58	1	B2C0978	03/07/2022	03/07/22 18:11	
Vinyl chloride	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Surrogate: 1,2-Dichloroethane-d4	*124 %*	*66 - 200*		B2C0978	03/07/2022	*03/07/22 18:11*	
Surrogate: 4-Bromofluorobenzene	*90.4 %*	*50 - 146*		B2C0978	03/07/2022	*03/07/22 18:11*	
Surrogate: Dibromofluoromethane	*112 %*	*77 - 159*		B2C0978	03/07/2022	*03/07/22 18:11*	
Surrogate: Toluene-d8	*95.3 %*	*81 - 128*		B2C0978	03/07/2022	*03/07/22 18:11*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
1,2-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
1,3-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
1,4-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2,4,5-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2,4,6-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2,4-Dichlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
2,4-Dimethylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2,4-Dinitrophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
2,4-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2,6-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2-Chloronaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2-Chlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2-Methylnaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
2-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
3,3´-Dichlorobenzidine	ND	660	1	B2C0908	03/02/2022	03/03/22 21:35	
3-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
4,6-Dinitro-2-methyphenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Bromophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Chloro-3-methylphenol	ND	660	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Chloroaniline	ND	660	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Chlorophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-4-5.5

Lab ID: 2200272-09

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Acenaphthylene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzidine (M)	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzo(a)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzo(a)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzo(b)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzo(g,h,i)perylene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzo(k)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzoic acid	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzyl alcohol	ND	660	1	B2C0908	03/02/2022	03/03/22 21:35	
bis(2-chloroethoxy)methane	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
bis(2-Chloroethyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
bis(2-chloroisopropyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Butylbenzylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Chrysene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Di-n-butylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Di-n-octylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Dibenz(a,h)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Dibenzofuran	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Diethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Dimethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Fluorene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Hexachlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Hexachlorobutadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 21:35	
Hexachlorocyclopentadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 21:35	
Hexachloroethane	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Isophorone	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
N-Nitroso-di-n propylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
N-Nitrosodiphenylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Naphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Nitrobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Pentachlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
Phenanthrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Phenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Pyridine	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-9-4-5.5
Lab ID: 2200272-09

Semivolatile Organic Compounds by EPA 8270C — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 1,2-Dichlorobenzene-d4	*67.6 %*	*23 - 102*		B2C0908	03/02/2022	*03/03/22 21:35*	
Surrogate: 2,4,6-Tribromophenol	*63.3 %*	*3 - 138*		B2C0908	03/02/2022	*03/03/22 21:35*	
Surrogate: 2-Chlorophenol-d4	*66.1 %*	*18 - 105*		B2C0908	03/02/2022	*03/03/22 21:35*	
Surrogate: 2-Fluorobiphenyl	*73.8 %*	*34 - 106*		B2C0908	03/02/2022	*03/03/22 21:35*	
Surrogate: 2-Fluorophenol	*60.7 %*	*16 - 94*		B2C0908	03/02/2022	*03/03/22 21:35*	
Surrogate: 4-Terphenyl-d14	*86.7 %*	*31 - 130*		B2C0908	03/02/2022	*03/03/22 21:35*	
Surrogate: Nitrobenzene-d5	*56.3 %*	*23 - 102*		B2C0908	03/02/2022	*03/03/22 21:35*	
Surrogate: Phenol-d6	*63.9 %*	*14 - 104*		B2C0908	03/02/2022	*03/03/22 21:35*	

Client Sample ID: 62-2-3-1
Lab ID: 2200272-10

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Arsenic	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Barium	**83**	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Beryllium	**2.5**	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Cadmium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Chromium	**14**	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Cobalt	**4.8**	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Copper	**11**	2.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Lead	**4.7**	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Molybdenum	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Nickel	**7.1**	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Selenium	**2.3**	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Silver	**4.9**	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Thallium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Vanadium	**30**	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Zinc	**34**	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-2-3-6

Lab ID: 2200272-11

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C0948	03/07/2022	03/07/22 18:00	
Surrogate: 4-Bromofluorobenzene	*84.1 %*	*47.6 - 121.18*		B2C0948	03/07/2022	*03/07/22 18:00*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0911	03/02/2022	03/02/22 20:29	
C23-C32	**11**	10	1	B2C0911	03/02/2022	03/02/22 20:29	
Surrogate: p-Terphenyl	*86.0 %*	*62 - 141*		B2C0911	03/02/2022	*03/02/22 20:29*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,1,1-Trichloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,1,2-Trichloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,1-Dichloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,1-Dichloroethene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,1-Dichloropropene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2,3-Trichloropropane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2-Dibromoethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2-Dichlorobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2-Dichloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2-Dichloropropane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,3-Dichlorobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,3-Dichloropropane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,4-Dichlorobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
2,2-Dichloropropane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
2-Chlorotoluene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
4-Chlorotoluene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
4-Isopropyltoluene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Benzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-2-3-6

Lab ID: 2200272-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Bromochloromethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Bromodichloromethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Bromoform	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Bromomethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Carbon disulfide	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Carbon tetrachloride	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Chlorobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Chloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Chloroform	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Chloromethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
cis-1,2-Dichloroethene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
cis-1,3-Dichloropropene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Di-isopropyl ether	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Dibromochloromethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Dibromomethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Dichlorodifluoromethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Ethyl Acetate	ND	47	1	B2C0978	03/07/2022	03/07/22 18:37	
Ethyl Ether	ND	47	1	B2C0978	03/07/2022	03/07/22 18:37	
Ethyl tert-butyl ether	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Ethylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Freon-113	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Hexachlorobutadiene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Isopropylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
m,p-Xylene	ND	9.4	1	B2C0978	03/07/2022	03/07/22 18:37	
Methylene chloride	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
MTBE	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
n-Butylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
n-Propylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Naphthalene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
o-Xylene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
sec-Butylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Styrene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
tert-Amyl methyl ether	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
tert-Butanol	ND	94	1	B2C0978	03/07/2022	03/07/22 18:37	
tert-Butylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Tetrachloroethene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Toluene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
trans-1,2-Dichloroethene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
trans-1,3-Dichloropropene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-2-3-6

Lab ID: 2200272-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Trichlorofluoromethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Vinyl acetate	ND	47	1	B2C0978	03/07/2022	03/07/22 18:37	
Vinyl chloride	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Surrogate: 1,2-Dichloroethane-d4	*142 %*	*66 - 200*		B2C0978	03/07/2022	*03/07/22 18:37*	
Surrogate: 4-Bromofluorobenzene	*93.5 %*	*50 - 146*		B2C0978	03/07/2022	*03/07/22 18:37*	
Surrogate: Dibromofluoromethane	*121 %*	*77 - 159*		B2C0978	03/07/2022	*03/07/22 18:37*	
Surrogate: Toluene-d8	*91.8 %*	*81 - 128*		B2C0978	03/07/2022	*03/07/22 18:37*	

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
1,2-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
1,3-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
1,4-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2,4,5-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2,4,6-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2,4-Dichlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
2,4-Dimethylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2,4-Dinitrophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
2,4-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2,6-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2-Chloronaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2-Chlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2-Methylnaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
2-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
3,3´-Dichlorobenzidine	ND	660	1	B2C0908	03/02/2022	03/03/22 22:01	
3-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
4,6-Dinitro-2-methyphenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Bromophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Chloro-3-methylphenol	ND	660	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Chloroaniline	ND	660	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Chlorophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-2-3-6

Lab ID: 2200272-11

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Acenaphthylene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzidine (M)	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzo(a)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzo(a)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzo(b)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzo(g,h,i)perylene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzo(k)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzoic acid	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzyl alcohol	ND	660	1	B2C0908	03/02/2022	03/03/22 22:01	
bis(2-chloroethoxy)methane	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
bis(2-Chloroethyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
bis(2-chloroisopropyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Butylbenzylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Chrysene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Di-n-butylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Di-n-octylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Dibenz(a,h)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Dibenzofuran	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Diethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Dimethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Fluorene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Hexachlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Hexachlorobutadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 22:01	
Hexachlorocyclopentadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 22:01	
Hexachloroethane	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Isophorone	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
N-Nitroso-di-n propylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
N-Nitrosodiphenylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Naphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Nitrobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Pentachlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
Phenanthrene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Phenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Pyridine	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-2-3-6
Lab ID: 2200272-11

Semivolatile Organic Compounds by EPA 8270C — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 1,2-Dichlorobenzene-d4	*61.1 %*	*23 - 102*		B2C0908	03/02/2022	*03/03/22 22:01*	
Surrogate: 2,4,6-Tribromophenol	*58.9 %*	*3 - 138*		B2C0908	03/02/2022	*03/03/22 22:01*	
Surrogate: 2-Chlorophenol-d4	*62.4 %*	*18 - 105*		B2C0908	03/02/2022	*03/03/22 22:01*	
Surrogate: 2-Fluorobiphenyl	*67.8 %*	*34 - 106*		B2C0908	03/02/2022	*03/03/22 22:01*	
Surrogate: 2-Fluorophenol	*55.8 %*	*16 - 94*		B2C0908	03/02/2022	*03/03/22 22:01*	
Surrogate: 4-Terphenyl-d14	*95.7 %*	*31 - 130*		B2C0908	03/02/2022	*03/03/22 22:01*	
Surrogate: Nitrobenzene-d5	*56.6 %*	*23 - 102*		B2C0908	03/02/2022	*03/03/22 22:01*	
Surrogate: Phenol-d6	*57.9 %*	*14 - 104*		B2C0908	03/02/2022	*03/03/22 22:01*	

Client Sample ID: 62-2-1-1
Lab ID: 2200272-12

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Arsenic	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Barium	**86**	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Beryllium	**2.7**	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Cadmium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Chromium	**15**	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Cobalt	**5.2**	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Copper	**11**	2.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Lead	**4.1**	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Molybdenum	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Nickel	**6.8**	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Selenium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Silver	**5.1**	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Thallium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Vanadium	**39**	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Zinc	**36**	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-2-1-6

Lab ID: 2200272-13

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.96	1	B2C0948	03/07/2022	03/07/22 18:25	
Surrogate: 4-Bromofluorobenzene	*90.4 %*	*47.6 - 121.18*		B2C0948	03/07/2022	*03/07/22 18:25*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	100	10	B2C0911	03/02/2022	03/02/22 20:48	D10
C23-C32	**110**	100	10	B2C0911	03/02/2022	03/02/22 20:48	D10
Surrogate: p-Terphenyl	*96.2 %*	*62 - 141*		B2C0911	03/02/2022	*03/02/22 20:48*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,1,1-Trichloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,1,2-Trichloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,1-Dichloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,1-Dichloroethene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,1-Dichloropropene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2,3-Trichloropropane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2-Dibromoethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2-Dichlorobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2-Dichloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2-Dichloropropane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,3-Dichlorobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,3-Dichloropropane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,4-Dichlorobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
2,2-Dichloropropane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
2-Chlorotoluene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
4-Chlorotoluene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
4-Isopropyltoluene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Benzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-2-1-6

Lab ID: 2200272-13

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Bromochloromethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Bromodichloromethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Bromoform	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Bromomethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Carbon disulfide	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Carbon tetrachloride	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Chlorobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Chloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Chloroform	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Chloromethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
cis-1,2-Dichloroethene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
cis-1,3-Dichloropropene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Di-isopropyl ether	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Dibromochloromethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Dibromomethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Dichlorodifluoromethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Ethyl Acetate	ND	44	1	B2C0978	03/07/2022	03/07/22 19:03	
Ethyl Ether	ND	44	1	B2C0978	03/07/2022	03/07/22 19:03	
Ethyl tert-butyl ether	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Ethylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Freon-113	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Hexachlorobutadiene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Isopropylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
m,p-Xylene	ND	8.8	1	B2C0978	03/07/2022	03/07/22 19:03	
Methylene chloride	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
MTBE	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
n-Butylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
n-Propylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Naphthalene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
o-Xylene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
sec-Butylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Styrene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
tert-Amyl methyl ether	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
tert-Butanol	ND	88	1	B2C0978	03/07/2022	03/07/22 19:03	
tert-Butylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Tetrachloroethene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Toluene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
trans-1,2-Dichloroethene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
trans-1,3-Dichloropropene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-2-1-6

Lab ID: 2200272-13

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Trichlorofluoromethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Vinyl acetate	ND	44	1	B2C0978	03/07/2022	03/07/22 19:03	
Vinyl chloride	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Surrogate: 1,2-Dichloroethane-d4	*147 %*	*66 - 200*		B2C0978	03/07/2022	*03/07/22 19:03*	
Surrogate: 4-Bromofluorobenzene	*96.5 %*	*50 - 146*		B2C0978	03/07/2022	*03/07/22 19:03*	
Surrogate: Dibromofluoromethane	*120 %*	*77 - 159*		B2C0978	03/07/2022	*03/07/22 19:03*	
Surrogate: Toluene-d8	*96.5 %*	*81 - 128*		B2C0978	03/07/2022	*03/07/22 19:03*	

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
1,2-Dichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
1,3-Dichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
1,4-Dichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,4,5-Trichlorophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,4,6-Trichlorophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,4-Dichlorophenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,4-Dimethylphenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,4-Dinitrophenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,4-Dinitrotoluene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,6-Dinitrotoluene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2-Chloronaphthalene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2-Chlorophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2-Methylnaphthalene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2-Methylphenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2-Nitroaniline	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2-Nitrophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
3,3´-Dichlorobenzidine	ND	13000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
3-Nitroaniline	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4,6-Dinitro-2-methyphenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Bromophenyl-phenylether	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Chloro-3-methylphenol	ND	13000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Chloroaniline	ND	13000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Chlorophenyl-phenylether	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Methylphenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Nitroaniline	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Nitrophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-2-1-6

Lab ID: 2200272-13

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Acenaphthylene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Anthracene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzidine (M)	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzo(a)anthracene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzo(a)pyrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzo(b)fluoranthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzo(g,h,i)perylene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzo(k)fluoranthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzoic acid	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzyl alcohol	ND	13000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
bis(2-chloroethoxy)methane	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
bis(2-Chloroethyl)ether	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
bis(2-chloroisopropyl)ether	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
bis(2-ethylhexyl)phthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Butylbenzylphthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Chrysene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Di-n-butylphthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Di-n-octylphthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Dibenz(a,h)anthracene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Dibenzofuran	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Diethyl phthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Dimethyl phthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Fluoranthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Fluorene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Hexachlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Hexachlorobutadiene	ND	13000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Hexachlorocyclopentadiene	ND	13000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Hexachloroethane	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Indeno(1,2,3-cd)pyrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Isophorone	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
N-Nitroso-di-n propylamine	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
N-Nitrosodiphenylamine	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Naphthalene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Nitrobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Pentachlorophenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Phenanthrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Phenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Pyrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Pyridine	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Client Sample ID: 62-2-1-6

Lab ID: 2200272-13

Semivolatile Organic Compounds by EPA 8270C **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 1,2-Dichlorobenzene-d4	*74.2 %*	*23 - 102*		B2C0908	03/02/2022	*03/03/22 22:27*	
Surrogate: 2,4,6-Tribromophenol	*4.93 %*	*3 - 138*		B2C0908	03/02/2022	*03/03/22 22:27*	
Surrogate: 2-Chlorophenol-d4	*41.9 %*	*18 - 105*		B2C0908	03/02/2022	*03/03/22 22:27*	
Surrogate: 2-Fluorobiphenyl	*61.0 %*	*34 - 106*		B2C0908	03/02/2022	*03/03/22 22:27*	
Surrogate: 2-Fluorophenol	*21.9 %*	*16 - 94*		B2C0908	03/02/2022	*03/03/22 22:27*	
Surrogate: 4-Terphenyl-d14	*65.6 %*	*31 - 130*		B2C0908	03/02/2022	*03/03/22 22:27*	
Surrogate: Nitrobenzene-d5	*0%*	*23 - 102*		B2C0908	03/02/2022	*03/03/22 22:27*	S4
Surrogate: Phenol-d6	*7.47 %*	*14 - 104*		B2C0908	03/02/2022	*03/03/22 22:27*	S4

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0904 - EPA 3050B_S										
Blank (B2C0904-BLK1)						Prepared: 3/2/2022 Analyzed: 3/3/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C0904-BS1)						Prepared: 3/2/2022 Analyzed: 3/3/2022				
Antimony	27.1846	2.0	0.51	25.0000		109	80 - 120			
Arsenic	25.0491	1.0	0.12	25.0000		100	80 - 120			
Barium	25.2967	1.0	0.12	25.0000		101	80 - 120			
Beryllium	26.6908	1.0	0.03	25.0100		107	80 - 120			
Cadmium	26.3917	1.0	0.14	25.0000		106	80 - 120			
Chromium	25.8398	1.0	0.26	25.0000		103	80 - 120			
Cobalt	27.2687	1.0	0.07	25.0000		109	80 - 120			
Copper	25.7329	2.0	0.19	25.0000		103	80 - 120			
Lead	26.3290	1.0	0.18	25.0000		105	80 - 120			
Molybdenum	26.7669	1.0	0.12	25.0000		107	80 - 120			
Nickel	26.0948	1.0	0.18	25.0000		104	80 - 120			
Selenium	26.9323	1.0	0.40	25.0000		108	80 - 120			
Silver	12.5996	1.0	0.12	12.5000		101	80 - 120			
Thallium	25.7042	1.0	0.38	25.0000		103	80 - 120			
Vanadium	26.0225	1.0	0.06	25.0000		104	80 - 120			
Zinc	26.2019	1.0	0.15	25.0000		105	80 - 120			
Matrix Spike (B2C0904-MS1)			**Source: 2200267-01**			Prepared: 3/2/2022 Analyzed: 3/3/2022				
Antimony	16.2218	2.0	0.51	25.0000	0.967182	61.0	0 - 102			
Arsenic	28.6089	1.0	0.12	25.0000	3.86779	99.0	55 - 117			
Barium	162.968	1.0	0.12	25.0000	140.290	90.7	11 - 177			
Beryllium	23.7705	1.0	0.03	25.0100	2.58879	84.7	64 - 115			
Cadmium	25.3707	1.0	0.14	25.0000	0.995994	97.5	62 - 116			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0904 - EPA 3050B_S (continued)										
Matrix Spike (B2C0904-MS1) - Continued			**Source: 2200267-01**			Prepared: 3/2/2022 Analyzed: 3/3/2022				
Chromium	76.5741	1.0	0.26	25.0000	50.9415	103	42 - 145			
Cobalt	30.0886	1.0	0.07	25.0000	9.92660	80.6	60 - 126			
Copper	59.5202	2.0	0.19	25.0000	38.0969	85.7	37 - 163			
Lead	67.7640	1.0	0.18	25.0000	44.5748	92.8	26 - 161			
Molybdenum	24.6692	1.0	0.12	25.0000	0.606130	96.3	31 - 122			
Nickel	35.0723	1.0	0.18	25.0000	16.2446	75.3	52 - 130			
Selenium	30.3028	1.0	0.40	25.0000	5.57225	98.9	25 - 129			
Silver	16.9298	1.0	0.12	12.5000	3.84602	105	48 - 133			
Thallium	23.3388	1.0	0.38	25.0000	ND	93.4	25 - 119			
Vanadium	96.4956	1.0	0.06	25.0000	70.9836	102	51 - 141			
Zinc	117.500	1.0	0.15	25.0000	95.3092	88.8	8 - 170			
Matrix Spike Dup (B2C0904-MSD1)			**Source: 2200267-01**			Prepared: 3/2/2022 Analyzed: 3/3/2022				
Antimony	15.9193	2.0	0.51	25.0000	0.967182	59.8	0 - 102	1.88	20	
Arsenic	28.2543	1.0	0.12	25.0000	3.86779	97.5	55 - 117	1.25	20	
Barium	160.945	1.0	0.12	25.0000	140.290	82.6	11 - 177	1.25	20	
Beryllium	23.3632	1.0	0.03	25.0100	2.58879	83.1	64 - 115	1.73	20	
Cadmium	25.2214	1.0	0.14	25.0000	0.995994	96.9	62 - 116	0.590	20	
Chromium	76.3498	1.0	0.26	25.0000	50.9415	102	42 - 145	0.293	20	
Cobalt	29.4803	1.0	0.07	25.0000	9.92660	78.2	60 - 126	2.04	20	
Copper	58.0622	2.0	0.19	25.0000	38.0969	79.9	37 - 163	2.48	20	
Lead	67.3682	1.0	0.18	25.0000	44.5748	91.2	26 - 161	0.586	20	
Molybdenum	24.7524	1.0	0.12	25.0000	0.606130	96.6	31 - 122	0.337	20	
Nickel	34.3296	1.0	0.18	25.0000	16.2446	72.3	52 - 130	2.14	20	
Selenium	29.6157	1.0	0.40	25.0000	5.57225	96.2	25 - 129	2.29	20	
Silver	17.0920	1.0	0.12	12.5000	3.84602	106	48 - 133	0.953	20	
Thallium	22.8744	1.0	0.38	25.0000	ND	91.5	25 - 119	2.01	20	
Vanadium	96.0426	1.0	0.06	25.0000	70.9836	100	51 - 141	0.471	20	
Zinc	115.354	1.0	0.15	25.0000	95.3092	80.2	8 - 170	1.84	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0905 - EPA 7471_S										
Blank (B2C0905-BLK1)						Prepared: 3/2/2022 Analyzed: 3/3/2022				
Mercury	ND	0.10	0.01							
LCS (B2C0905-BS1)						Prepared: 3/2/2022 Analyzed: 3/3/2022				
Mercury	0.405987	0.10	0.01	0.416667		97.4	80 - 120			
Matrix Spike (B2C0905-MS1)			**Source: 2200272-01**			Prepared: 3/2/2022 Analyzed: 3/3/2022				
Mercury	0.740902	0.10	0.01	0.416667	0.067830	162	70 - 130			M2
Matrix Spike Dup (B2C0905-MSD1)			**Source: 2200272-01**			Prepared: 3/2/2022 Analyzed: 3/3/2022				
Mercury	0.745900	0.10	0.01	0.416667	0.067830	163	70 - 130	0.672	20	M2

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0905 - EPA 7471_S									
Post Spike (B2C0905-PS1)			**Source: 2200272-01**		Prepared: 3/2/2022 Analyzed: 3/4/2022				
Mercury	5.9226E-3		5.00000E-3	0.000814	102	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0948 - GCVOA_S										
Blank (B2C0948-BLK1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6809*			*0.800000*		*85.1*	*47.6 - 121.18*			
LCS (B2C0948-BS1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Gasoline Range Organics	4.54400	1.0	0.13	5.00000		90.9	58.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7825*			*0.800000*		*97.8*	*47.6 - 121.18*			
LCS Dup (B2C0948-BSD1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Gasoline Range Organics	4.51000	1.0	0.13	5.00000		90.2	58.69 - 124.04	0.751	20	
Surrogate: 4-Bromofluorobenzene	*0.7890*			*0.800000*		*98.6*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0911 - GCSEMI_DRO_S										
Blank (B2C0911-BLK1)						Prepared: 3/2/2022 Analyzed: 3/2/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*84.75*			*80.0000*		*106*	*62 - 141*			
LCS (B2C0911-BS1)						Prepared: 3/2/2022 Analyzed: 3/2/2022				
DRO	961.284	10	3.6	1000.00		96.1	56 - 139			
Surrogate: p-Terphenyl	*80.34*			*80.0000*		*100*	*62 - 141*			
Matrix Spike (B2C0911-MS1)			**Source: 2200268-19**			Prepared: 3/2/2022 Analyzed: 3/2/2022				
DRO	964.160	10	3.6	1000.00	ND	96.4	38 - 161			
Surrogate: p-Terphenyl	*79.44*			*80.0000*		*99.3*	*62 - 141*			
Matrix Spike Dup (B2C0911-MSD1)			**Source: 2200268-19**			Prepared: 3/2/2022 Analyzed: 3/2/2022				
DRO	949.369	10	3.6	1000.00	ND	94.9	38 - 161	1.55	20	
Surrogate: p-Terphenyl	*81.18*			*80.0000*		*101*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0978 - MSVOA_S										
Blank (B2C0978-BLK1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0978 - MSVOA_S (continued)										
Blank (B2C0978-BLK1) - Continued						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Ethyl tert-butyl ether	ND	5.0	0.85							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*57.25*			*50.0000*		*114*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*49.40*			*50.0000*		*98.8*	*50 - 146*			
Surrogate: Dibromofluoromethane	*54.69*			*50.0000*		*109*	*77 - 159*			
Surrogate: Toluene-d8	*48.00*			*50.0000*		*96.0*	*81 - 128*			
Blank (B2C0978-BLK2)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0978 - MSVOA_S (continued)										
Blank (B2C0978-BLK2) - Continued						Prepared: 3/7/2022 Analyzed: 3/7/2022				
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/08/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0978 - MSVOA_S (continued)										
Blank (B2C0978-BLK2) - Continued						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*59.47*			*50.0000*		*119*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.21*			*50.0000*		*96.4*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.91*			*50.0000*		*108*	*77 - 159*			
Surrogate: Toluene-d8	*47.99*			*50.0000*		*96.0*	*81 - 128*			
LCS (B2C0978-BS1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
1,1,1,2-Tetrachloroethane	49.2300	5.0	0.52	50.0000		98.5	84 - 123			
1,1,1-Trichloroethane	50.6300	5.0	0.26	50.0000		101	78 - 133			
1,1,2,2-Tetrachloroethane	40.1300	5.0	0.21	50.0000		80.3	63 - 127			
1,1,2-Trichloroethane	44.6000	5.0	0.40	50.0000		89.2	80 - 125			
1,1-Dichloroethane	49.4900	5.0	1.4	50.0000		99.0	77 - 128			
1,1-Dichloroethene	55.4700	5.0	1.9	50.0000		111	69 - 138			
1,1-Dichloropropene	51.0700	5.0	0.54	50.0000		102	80 - 133			
1,2,3-Trichloropropane	42.2900	5.0	0.40	50.0000		84.6	74 - 123			
1,2,3-Trichlorobenzene	44.6400	5.0	0.83	50.0000		89.3	79 - 133			
1,2,4-Trichlorobenzene	42.7400	5.0	0.80	50.0000		85.5	73 - 131			
1,2,4-Trimethylbenzene	45.2200	5.0	0.91	50.0000		90.4	86 - 137			
1,2-Dibromo-3-chloropropane	41.9600	10	1.1	50.0000		83.9	62 - 127			
1,2-Dibromoethane	47.2000	5.0	0.40	50.0000		94.4	83 - 126			
1,2-Dichlorobenzene	42.2300	5.0	0.21	50.0000		84.5	83 - 123			
1,2-Dichloroethane	51.6800	5.0	0.50	50.0000		103	76 - 128			
1,2-Dichloropropane	43.5200	5.0	0.46	50.0000		87.0	77 - 121			
1,3,5-Trimethylbenzene	43.4700	5.0	0.70	50.0000		86.9	84 - 135			
1,3-Dichlorobenzene	42.4200	5.0	0.36	50.0000		84.8	81 - 126			
1,3-Dichloropropane	44.8700	5.0	0.49	50.0000		89.7	80 - 118			
1,4-Dichlorobenzene	42.3400	5.0	0.27	50.0000		84.7	80 - 124			
2,2-Dichloropropane	50.6300	5.0	0.28	50.0000		101	72 - 135			
2-Chlorotoluene	42.9700	5.0	0.53	50.0000		85.9	81 - 127			
4-Chlorotoluene	44.0400	5.0	0.40	50.0000		88.1	83 - 127			
4-Isopropyltoluene	43.6000	5.0	0.81	50.0000		87.2	82 - 143			
Benzene	46.6000	5.0	0.36	50.0000		93.2	84 - 123			
Bromobenzene	44.0800	5.0	0.62	50.0000		88.2	80 - 122			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0978 - MSVOA_S (continued)										
LCS (B2C0978-BS1) - Continued						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Bromochloromethane	50.0200	5.0	0.30	50.0000		100	83 - 127			
Bromodichloromethane	49.4400	5.0	0.52	50.0000		98.9	82 - 123			
Bromoform	46.0000	5.0	1.4	50.0000		92.0	80 - 132			
Bromomethane	80.1000	5.0	2.5	50.0000		160	67 - 176			
Carbon disulfide	52.6100	5.0	0.94	50.0000		105	75 - 138			
Carbon tetrachloride	49.7100	5.0	0.73	50.0000		99.4	76 - 131			
Chlorobenzene	44.8200	5.0	0.42	50.0000		89.6	84 - 119			
Chloroethane	58.6300	5.0	1.5	50.0000		117	56 - 170			
Chloroform	50.4900	5.0	0.24	50.0000		101	78 - 129			
Chloromethane	46.6900	5.0	1.1	50.0000		93.4	63 - 141			
cis-1,2-Dichloroethene	35.9000	5.0	0.20	50.0000		71.8	83 - 125			L3
cis-1,3-Dichloropropene	41.2500	5.0	0.39	50.0000		82.5	76 - 129			
Di-isopropyl ether	44.3800	5.0	1.9	50.0000		88.8	73 - 132			
Dibromochloromethane	43.3600	5.0	0.81	50.0000		86.7	81 - 120			
Dibromomethane	43.4400	5.0	0.23	50.0000		86.9	79 - 124			
Dichlorodifluoromethane	45.9500	5.0	0.14	50.0000		91.9	18 - 199			
Ethyl Acetate	9.62000	50	7.0	500.000		1.92	76 - 138			MO
Ethyl Ether	596.370	50	17	500.000		119	74 - 128			
Ethyl tert-butyl ether	44.5300	5.0	0.85	50.0000		89.1	50 - 175			
Ethylbenzene	46.5500	5.0	0.43	50.0000		93.1	86 - 130			
Freon-113	61.8200	5.0	1.3	50.0000		124	66 - 132			
Hexachlorobutadiene	44.7600	5.0	0.40	50.0000		89.5	64 - 135			
Isopropylbenzene	45.5600	5.0	0.79	50.0000		91.1	80 - 133			
m,p-Xylene	92.0300	10	0.98	100.000		92.0	89 - 133			
Methylene chloride	47.0400	5.0	2.2	50.0000		94.1	72 - 143			
MTBE	46.3800	5.0	0.81	50.0000		92.8	73 - 136			
n-Butylbenzene	42.0000	5.0	1.2	50.0000		84.0	76 - 144			
n-Propylbenzene	43.1100	5.0	0.78	50.0000		86.2	81 - 136			
Naphthalene	40.7200	5.0	1.1	50.0000		81.4	64 - 128			
o-Xylene	46.0600	5.0	0.67	50.0000		92.1	82 - 134			
sec-Butylbenzene	43.7100	5.0	0.63	50.0000		87.4	81 - 138			
Styrene	44.5500	5.0	0.45	50.0000		89.1	79 - 152			
tert-Amyl methyl ether	45.5400	5.0	1.1	50.0000		91.1	48 - 166			
tert-Butanol	172.160	100	11	250.000		68.9	48 - 148			
tert-Butylbenzene	42.0100	5.0	0.80	50.0000		84.0	81 - 135			
Tetrachloroethene	46.0200	5.0	0.31	50.0000		92.0	75 - 127			
Toluene	45.4700	5.0	0.27	50.0000		90.9	88 - 130			
trans-1,2-Dichloroethene	67.0800	5.0	0.56	50.0000		134	79 - 127			L4
trans-1,3-Dichloropropene	47.2600	5.0	0.59	50.0000		94.5	80 - 130			
Trichloroethene	50.2300	5.0	0.32	50.0000		100	83 - 126			
Trichlorofluoromethane	65.1400	5.0	1.0	50.0000		130	62 - 143			
Vinyl acetate	23.0900	50	6.0	500.000		4.62	69 - 150			MO
Vinyl chloride	55.9200	5.0	0.92	50.0000		112	69 - 140			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/08/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0978 - MSVOA_S (continued)										
LCS (B2C0978-BS1) - Continued						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Surrogate: 1,2-Dichloroethane-d4	*56.91*			*50.0000*		*114*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.57*			*50.0000*		*103*	*50 - 146*			
Surrogate: Dibromofluoromethane	*52.72*			*50.0000*		*105*	*77 - 159*			
Surrogate: Toluene-d8	*49.77*			*50.0000*		*99.5*	*81 - 128*			
LCS Dup (B2C0978-BSD1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
1,1,1,2-Tetrachloroethane	48.0000	5.0	0.52	50.0000		96.0	84 - 123	2.53	20	
1,1,1-Trichloroethane	55.2900	5.0	0.26	50.0000		111	78 - 133	8.80	20	
1,1,2,2-Tetrachloroethane	42.2800	5.0	0.21	50.0000		84.6	63 - 127	5.22	20	
1,1,2-Trichloroethane	48.8100	5.0	0.40	50.0000		97.6	80 - 125	9.01	20	
1,1-Dichloroethane	50.8900	5.0	1.4	50.0000		102	77 - 128	2.79	20	
1,1-Dichloroethene	52.6200	5.0	1.9	50.0000		105	69 - 138	5.27	20	
1,1-Dichloropropene	49.8200	5.0	0.54	50.0000		99.6	80 - 133	2.48	20	
1,2,3-Trichloropropane	43.1500	5.0	0.40	50.0000		86.3	74 - 123	2.01	20	
1,2,3-Trichlorobenzene	45.3000	5.0	0.83	50.0000		90.6	79 - 133	1.47	20	
1,2,4-Trichlorobenzene	42.8300	5.0	0.80	50.0000		85.7	73 - 131	0.210	20	
1,2,4-Trimethylbenzene	44.7700	5.0	0.91	50.0000		89.5	86 - 137	1.00	20	
1,2-Dibromo-3-chloropropane	43.2100	10	1.1	50.0000		86.4	62 - 127	2.94	20	
1,2-Dibromoethane	49.2400	5.0	0.40	50.0000		98.5	83 - 126	4.23	20	
1,2-Dichlorobenzene	42.7800	5.0	0.21	50.0000		85.6	83 - 123	1.29	20	
1,2-Dichloroethane	51.5100	5.0	0.50	50.0000		103	76 - 128	0.329	20	
1,2-Dichloropropane	45.0600	5.0	0.46	50.0000		90.1	77 - 121	3.48	20	
1,3,5-Trimethylbenzene	44.4800	5.0	0.70	50.0000		89.0	84 - 135	2.30	20	
1,3-Dichlorobenzene	44.7700	5.0	0.36	50.0000		89.5	81 - 126	5.39	20	
1,3-Dichloropropane	45.1300	5.0	0.49	50.0000		90.3	80 - 118	0.578	20	
1,4-Dichlorobenzene	43.2100	5.0	0.27	50.0000		86.4	80 - 124	2.03	20	
2,2-Dichloropropane	52.1300	5.0	0.28	50.0000		104	72 - 135	2.92	20	
2-Chlorotoluene	44.7200	5.0	0.53	50.0000		89.4	81 - 127	3.99	20	
4-Chlorotoluene	44.7800	5.0	0.40	50.0000		89.6	83 - 127	1.67	20	
4-Isopropyltoluene	44.7100	5.0	0.81	50.0000		89.4	82 - 143	2.51	20	
Benzene	46.8300	5.0	0.36	50.0000		93.7	84 - 123	0.492	20	
Bromobenzene	45.8200	5.0	0.62	50.0000		91.6	80 - 122	3.87	20	
Bromochloromethane	50.8800	5.0	0.30	50.0000		102	83 - 127	1.70	20	
Bromodichloromethane	53.1800	5.0	0.52	50.0000		106	82 - 123	7.29	20	
Bromoform	44.3500	5.0	1.4	50.0000		88.7	80 - 132	3.65	20	
Bromomethane	77.5800	5.0	2.5	50.0000		155	67 - 176	3.20	20	
Carbon disulfide	54.3400	5.0	0.94	50.0000		109	75 - 138	3.24	20	
Carbon tetrachloride	54.0500	5.0	0.73	50.0000		108	76 - 131	8.37	20	
Chlorobenzene	45.5500	5.0	0.42	50.0000		91.1	84 - 119	1.62	20	
Chloroethane	58.6300	5.0	1.5	50.0000		117	56 - 170	0.00	20	
Chloroform	51.9900	5.0	0.24	50.0000		104	78 - 129	2.93	20	
Chloromethane	46.5100	5.0	1.1	50.0000		93.0	63 - 141	0.386	20	
cis-1,2-Dichloroethene	38.6800	5.0	0.20	50.0000		77.4	83 - 125	7.46	20	L3
cis-1,3-Dichloropropene	42.8900	5.0	0.39	50.0000		85.8	76 - 129	3.90	20	

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0978 - MSVOA_S (continued)										
LCS Dup (B2C0978-BSD1) - Continued						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Di-isopropyl ether	47.2700	5.0	1.9	50.0000		94.5	73 - 132	6.31	20	
Dibromochloromethane	46.9800	5.0	0.81	50.0000		94.0	81 - 120	8.01	20	
Dibromomethane	47.1600	5.0	0.23	50.0000		94.3	79 - 124	8.21	20	
Dichlorodifluoromethane	48.5300	5.0	0.14	50.0000		97.1	18 - 199	5.46	20	
Ethyl Acetate	28.5300	50	7.0	500.000		5.71	76 - 138	99.1	20	MO, R
Ethyl Ether	594.330	50	17	500.000		119	74 - 128	0.343	20	
Ethyl tert-butyl ether	48.2900	5.0	0.85	50.0000		96.6	50 - 175	8.10	20	
Ethylbenzene	46.7000	5.0	0.43	50.0000		93.4	86 - 130	0.322	20	
Freon-113	63.5600	5.0	1.3	50.0000		127	66 - 132	2.78	20	
Hexachlorobutadiene	44.7300	5.0	0.40	50.0000		89.5	64 - 135	0.0670	20	
Isopropylbenzene	46.0900	5.0	0.79	50.0000		92.2	80 - 133	1.16	20	
m,p-Xylene	93.3800	10	0.98	100.000		93.4	89 - 133	1.46	20	
Methylene chloride	49.9600	5.0	2.2	50.0000		99.9	72 - 143	6.02	20	
MTBE	47.3500	5.0	0.81	50.0000		94.7	73 - 136	2.07	20	
n-Butylbenzene	42.6200	5.0	1.2	50.0000		85.2	76 - 144	1.47	20	
n-Propylbenzene	44.3300	5.0	0.78	50.0000		88.7	81 - 136	2.79	20	
Naphthalene	42.4200	5.0	1.1	50.0000		84.8	64 - 128	4.09	20	
o-Xylene	46.7600	5.0	0.67	50.0000		93.5	82 - 134	1.51	20	
sec-Butylbenzene	44.4000	5.0	0.63	50.0000		88.8	81 - 138	1.57	20	
Styrene	45.1900	5.0	0.45	50.0000		90.4	79 - 152	1.43	20	
tert-Amyl methyl ether	48.9300	5.0	1.1	50.0000		97.9	48 - 166	7.18	20	
tert-Butanol	178.030	100	11	250.000		71.2	48 - 148	3.35	20	
tert-Butylbenzene	44.4100	5.0	0.80	50.0000		88.8	81 - 135	5.55	20	
Tetrachloroethene	46.3100	5.0	0.31	50.0000		92.6	75 - 127	0.628	20	
Toluene	46.5200	5.0	0.27	50.0000		93.0	88 - 130	2.28	20	
trans-1,2-Dichloroethene	66.8500	5.0	0.56	50.0000		134	79 - 127	0.343	20	L4
trans-1,3-Dichloropropene	48.9500	5.0	0.59	50.0000		97.9	80 - 130	3.51	20	
Trichloroethene	50.2600	5.0	0.32	50.0000		101	83 - 126	0.0597	20	
Trichlorofluoromethane	65.8600	5.0	1.0	50.0000		132	62 - 143	1.10	20	
Vinyl acetate	34.3600	50	6.0	500.000		6.87	69 - 150	39.2	20	MO, R
Vinyl chloride	54.7800	5.0	0.92	50.0000		110	69 - 140	2.06	20	
Surrogate: 1,2-Dichloroethane-d4	*54.34*			*50.0000*		*109*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.16*			*50.0000*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*56.27*			*50.0000*		*113*	*77 - 159*			
Surrogate: Toluene-d8	*49.48*			*50.0000*		*99.0*	*81 - 128*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0908 - MSSEMI_NAL										
Blank (B2C0908-BLK1)							Prepared: 3/2/2022 Analyzed: 3/3/2022			
1,2,4-Trichlorobenzene	ND	330	50							
1,2-Dichlorobenzene	ND	330	26							
1,3-Dichlorobenzene	ND	330	27							
1,4-Dichlorobenzene	ND	330	27							
2,4,5-Trichlorophenol	ND	330	30							
2,4,6-Trichlorophenol	ND	330	35							
2,4-Dichlorophenol	ND	1600	34							
2,4-Dimethylphenol	ND	330	26							
2,4-Dinitrophenol	ND	1600	86							
2,4-Dinitrotoluene	ND	330	33							
2,6-Dinitrotoluene	ND	330	49							
2-Chloronaphthalene	ND	330	28							
2-Chlorophenol	ND	330	31							
2-Methylnaphthalene	ND	330	27							
2-Methylphenol	ND	330	36							
2-Nitroaniline	ND	1600	43							
2-Nitrophenol	ND	330	45							
3,3′-Dichlorobenzidine	ND	660	280							
3-Nitroaniline	ND	1600	49							
4,6-Dinitro-2-methyphenol	ND	1600	41							
4-Bromophenyl-phenylether	ND	330	64							
4-Chloro-3-methylphenol	ND	660	71							
4-Chloroaniline	ND	660	53							
4-Chlorophenyl-phenylether	ND	330	33							
4-Methylphenol	ND	330	57							
4-Nitroaniline	ND	1600	37							
4-Nitrophenol	ND	330	64							
Acenaphthene	ND	330	43							
Acenaphthylene	ND	330	62							
Anthracene	ND	330	51							
Benzidine (M)	ND	1600	1400							
Benzo(a)anthracene	ND	330	44							
Benzo(a)pyrene	ND	330	64							
Benzo(b)fluoranthene	ND	330	65							
Benzo(g,h,i)perylene	ND	330	81							
Benzo(k)fluoranthene	ND	330	33							
Benzoic acid	ND	1600	890							
Benzyl alcohol	ND	660	32							
bis(2-chloroethoxy)methane	ND	330	64							
bis(2-Chloroethyl)ether	ND	330	66							
bis(2-chloroisopropyl)ether	ND	330	76							
bis(2-ethylhexyl)phthalate	ND	330	63							
Butylbenzylphthalate	ND	330	41							
Chrysene	ND	330	84							

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0908 - MSSEMI_NAL (continued)										
Blank (B2C0908-BLK1) - Continued						Prepared: 3/2/2022 Analyzed: 3/3/2022				
Di-n-butylphthalate	ND	330	51							
Di-n-octylphthalate	ND	330	63							
Dibenz(a,h)anthracene	ND	330	45							
Dibenzofuran	ND	330	58							
Diethyl phthalate	ND	330	58							
Dimethyl phthalate	ND	330	40							
Fluoranthene	ND	330	60							
Fluorene	ND	330	110							
Hexachlorobenzene	ND	330	55							
Hexachlorobutadiene	ND	660	53							
Hexachlorocyclopentadiene	ND	660	70							
Hexachloroethane	ND	330	94							
Indeno(1,2,3-cd)pyrene	ND	330	75							
Isophorone	ND	330	85							
N-Nitroso-di-n propylamine	ND	330	60							
N-Nitrosodiphenylamine	ND	330	32							
Naphthalene	ND	330	56							
Nitrobenzene	ND	330	57							
Pentachlorophenol	ND	1600	50							
Phenanthrene	ND	330	67							
Phenol	ND	330	34							
Pyrene	ND	330	72							
Pyridine	ND	1600	270							
Surrogate: 1,2-Dichlorobenzene-d4	*4698*			*6666.67*		*70.5*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*6040*			*10000.0*		*60.4*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*6775*			*10000.0*		*67.7*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*4978*			*6666.67*		*74.7*	*34 - 106*			
Surrogate: 2-Fluorophenol	*6617*			*10000.0*		*66.2*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*6160*			*6666.67*		*92.4*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*4384*			*6666.67*		*65.8*	*23 - 102*			
Surrogate: Phenol-d6	*6804*			*10000.0*		*68.0*	*14 - 104*			
LCS (B2C0908-BS1)						Prepared: 3/2/2022 Analyzed: 3/3/2022				
1,2,4-Trichlorobenzene	4932.00	330	50	6666.67		74.0	41 - 104			
1,2-Dichlorobenzene	3913.33	330	26	6666.67		58.7	37 - 100			
1,3-Dichlorobenzene	4074.67	330	27	6666.67		61.1	36 - 98			
1,4-Dichlorobenzene	3834.67	330	27	6666.67		57.5	37 - 97			
2,4,5-Trichlorophenol	6374.00	330	30	6666.67		95.6	47 - 115			
2,4,6-Trichlorophenol	6145.33	330	35	6666.67		92.2	48 - 119			
2,4-Dichlorophenol	5186.00	1600	34	6666.67		77.8	46 - 118			
2,4-Dimethylphenol	5138.00	330	26	6666.67		77.1	41 - 114			
2,4-Dinitrophenol	4144.00	1600	86	6666.67		62.2	0 - 180			
2,4-Dinitrotoluene	5840.67	330	33	6666.67		87.6	40 - 138			
2,6-Dinitrotoluene	5696.67	330	49	6666.67		85.4	45 - 131			

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0908 - MSSEMI_NAL (continued)										
LCS (B2C0908-BS1) - Continued						Prepared: 3/2/2022 Analyzed: 3/3/2022				
2-Chloronaphthalene	5182.67	330	28	6666.67		77.7	46 - 112			
2-Chlorophenol	4642.67	330	31	6666.67		69.6	41 - 99			
2-Methylnaphthalene	5185.33	330	27	6666.67		77.8	45 - 111			
2-Methylphenol	4804.00	330	36	6666.67		72.1	40 - 92			
2-Nitroaniline	4866.00	1600	43	6666.67		73.0	44 - 130			
2-Nitrophenol	4834.67	330	45	6666.67		72.5	34 - 114			
3,3´-Dichlorobenzidine	4650.67	660	280	6666.67		69.8	41 - 128			
3-Nitroaniline	5526.00	1600	49	6666.67		82.9	47 - 123			
4,6-Dinitro-2-methyphenol	5470.00	1600	41	6666.67		82.0	2 - 172			
4-Bromophenyl-phenylether	5561.33	330	64	6666.67		83.4	49 - 116			
4-Chloro-3-methylphenol	5658.00	660	71	6666.67		84.9	45 - 127			
4-Chloroaniline	5171.33	660	53	6666.67		77.6	50 - 106			
4-Chlorophenyl-phenylether	5864.00	330	33	6666.67		88.0	49 - 115			
4-Methylphenol	2607.33	330	57	3333.33		78.2	43 - 109			
4-Nitroaniline	5699.33	1600	37	6666.67		85.5	44 - 125			
4-Nitrophenol	4750.67	330	64	6666.67		71.3	30 - 146			
Acenaphthene	5400.67	330	43	6666.67		81.0	44 - 110			
Acenaphthylene	5298.67	330	62	6666.67		79.5	42 - 111			
Anthracene	5840.67	330	51	6666.67		87.6	41 - 117			
Benzidine (M)	3040.00	1600	1400	6666.67		45.6	0 - 189			
Benzo(a)anthracene	6249.33	330	44	6666.67		93.7	45 - 110			
Benzo(a)pyrene	6220.00	330	64	6666.67		93.3	45 - 116			
Benzo(b)fluoranthene	6229.33	330	65	6666.67		93.4	43 - 112			
Benzo(g,h,i)perylene	5737.33	330	81	6666.67		86.1	43 - 113			
Benzo(k)fluoranthene	5710.00	330	33	6666.67		85.6	42 - 114			
Benzoic acid	2812.00	1600	890	6666.67		42.2	0 - 134			
Benzyl alcohol	5068.67	660	32	6666.67		76.0	39 - 117			
bis(2-chloroethoxy)methane	4775.33	330	64	6666.67		71.6	43 - 102			
bis(2-Chloroethyl)ether	3928.67	330	66	6666.67		58.9	38 - 99			
bis(2-chloroisopropyl)ether	3979.33	330	76	6666.67		59.7	30 - 104			
bis(2-ethylhexyl)phthalate	5077.33	330	63	6666.67		76.2	49 - 123			
Butylbenzylphthalate	5034.00	330	41	6666.67		75.5	49 - 122			
Chrysene	6301.33	330	84	6666.67		94.5	46 - 111			
Di-n-butylphthalate	5824.67	330	51	6666.67		87.4	48 - 118			
Di-n-octylphthalate	5880.67	330	63	6666.67		88.2	46 - 131			
Dibenz(a,h)anthracene	5812.67	330	45	6666.67		87.2	43 - 113			
Dibenzofuran	5376.00	330	58	6666.67		80.6	50 - 113			
Diethyl phthalate	5418.00	330	58	6666.67		81.3	50 - 115			
Dimethyl phthalate	5494.67	330	40	6666.67		82.4	48 - 112			
Fluoranthene	5834.00	330	60	6666.67		87.5	40 - 119			
Fluorene	5268.00	330	110	6666.67		79.0	41 - 117			
Hexachlorobenzene	4638.67	330	55	6666.67		69.6	46 - 123			
Hexachlorobutadiene	5091.33	660	53	6666.67		76.4	37 - 104			
Hexachlorocyclopentadiene	4747.33	660	70	6666.67		71.2	30 - 128			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0908 - MSSEMI_NAL (continued)										
LCS (B2C0908-BS1) - Continued						Prepared: 3/2/2022 Analyzed: 3/3/2022				
Hexachloroethane	4006.67	330	94	6666.67		60.1	38 - 103			
Indeno(1,2,3-cd)pyrene	5935.33	330	75	6666.67		89.0	43 - 113			
Isophorone	5074.00	330	85	6666.67		76.1	43 - 109			
N-Nitroso-di-n propylamine	4760.00	330	60	6666.67		71.4	44 - 111			
N-Nitrosodiphenylamine	5900.67	330	32	6666.67		88.5	48 - 113			
Naphthalene	4911.33	330	56	6666.67		73.7	38 - 103			
Nitrobenzene	4291.33	330	57	6666.67		64.4	40 - 111			
Pentachlorophenol	5288.00	1600	50	6666.67		79.3	33 - 130			
Phenanthrene	5731.33	330	67	6666.67		86.0	42 - 119			
Phenol	4324.67	330	34	6666.67		64.9	43 - 104			
Pyrene	6143.33	330	72	6666.67		92.1	38 - 120			
Pyridine	2601.33	1600	270	6666.67		39.0	0 - 72			
Surrogate: 1,2-Dichlorobenzene-d4	*4509*			*6666.67*		*67.6*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*7584*			*10000.0*		*75.8*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*7185*			*10000.0*		*71.9*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*5677*			*6666.67*		*85.2*	*34 - 106*			
Surrogate: 2-Fluorophenol	*6333*			*10000.0*		*63.3*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*6321*			*6666.67*		*94.8*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*4637*			*6666.67*		*69.6*	*23 - 102*			
Surrogate: Phenol-d6	*6843*			*10000.0*		*68.4*	*14 - 104*			
Matrix Spike (B2C0908-MS1)			**Source: 2200270-01**			Prepared: 3/2/2022 Analyzed: 3/3/2022				
1,2,4-Trichlorobenzene	4480.00	6600	990	6666.67	ND	67.2	35 - 113			
1,2-Dichlorobenzene	4666.67	6600	510	6666.67	ND	70.0	32 - 102			
1,3-Dichlorobenzene	4226.67	6600	550	6666.67	ND	63.4	32 - 100			
1,4-Dichlorobenzene	4280.00	6600	540	6666.67	ND	64.2	33 - 97			
2,4,5-Trichlorophenol	2880.00	6600	590	6666.67	ND	43.2	36 - 124			
2,4,6-Trichlorophenol	2560.00	6600	690	6666.67	ND	38.4	37 - 130			
2,4-Dichlorophenol	2013.33	33000	670	6666.67	ND	30.2	32 - 130			M6
2,4-Dimethylphenol	2266.67	6600	510	6666.67	ND	34.0	30 - 128			
2,4-Dinitrophenol	ND	33000	1700	6666.67	ND	NR	0 - 203			
2,4-Dinitrotoluene	1906.67	6600	660	6666.67	ND	28.6	21 - 168			
2,6-Dinitrotoluene	3226.67	6600	970	6666.67	ND	48.4	31 - 152			
2-Chloronaphthalene	4746.67	6600	560	6666.67	ND	71.2	33 - 130			
2-Chlorophenol	3653.33	6600	610	6666.67	ND	54.8	32 - 106			
2-Methylnaphthalene	4626.67	6600	540	6666.67	ND	69.4	33 - 125			
2-Methylphenol	3426.67	6600	720	6666.67	ND	51.4	34 - 96			
2-Nitroaniline	ND	33000	850	6666.67	ND	NR	30 - 146			M6
2-Nitrophenol	ND	6600	900	6666.67	ND	NR	22 - 125			M6
3,3′-Dichlorobenzidine	ND	13000	5600	6666.67	ND	NR	19 - 144			M6
3-Nitroaniline	ND	33000	980	6666.67	ND	NR	36 - 133			M6
4,6-Dinitro-2-methyphenol	ND	33000	830	6666.67	ND	NR	0 - 196			
4-Bromophenyl-phenylether	4373.33	6600	1300	6666.67	ND	65.6	41 - 121			
4-Chloro-3-methylphenol	1746.67	13000	1400	6666.67	ND	26.2	39 - 134			M6

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0908 - MSSEMI_NAL (continued)										
Matrix Spike (B2C0908-MS1) - Continued		**Source: 2200270-01**				Prepared: 3/2/2022 Analyzed: 3/3/2022				
4-Chloroaniline	ND	13000	1100	6666.67	ND	NR	37 - 115			M6
4-Chlorophenyl-phenylether	4853.33	6600	670	6666.67	ND	72.8	34 - 133			
4-Methylphenol	ND	6600	1100	3333.33	ND	NR	34 - 121			M6
4-Nitroaniline	ND	33000	750	6666.67	ND	NR	30 - 138			M6
4-Nitrophenol	ND	6600	1300	6666.67	ND	NR	5 - 154			M6
Acenaphthene	5160.00	6600	850	6666.67	ND	77.4	33 - 121			
Acenaphthylene	4520.00	6600	1200	6666.67	ND	67.8	35 - 120			
Anthracene	4640.00	6600	1000	6666.67	ND	69.6	28 - 133			
Benzidine (M)	ND	33000	29000	6666.67	ND	NR	8 - 175			M6
Benzo(a)anthracene	5266.67	6600	870	6666.67	ND	79.0	32 - 127			
Benzo(a)pyrene	4013.33	6600	1300	6666.67	ND	60.2	35 - 127			
Benzo(b)fluoranthene	4573.33	6600	1300	6666.67	ND	68.6	29 - 126			
Benzo(g,h,i)perylene	4173.33	6600	1600	6666.67	ND	62.6	26 - 129			
Benzo(k)fluoranthene	4746.67	6600	650	6666.67	ND	71.2	36 - 120			
Benzoic acid	ND	33000	18000	6666.67	ND	NR	0 - 208			
Benzyl alcohol	1346.67	13000	640	6666.67	ND	20.2	32 - 120			M6
bis(2-chloroethoxy)methane	3213.33	6600	1300	6666.67	ND	48.2	34 - 108			
bis(2-Chloroethyl)ether	4106.67	6600	1300	6666.67	ND	61.6	34 - 100			
bis(2-chloroisopropyl)ether	3826.67	6600	1500	6666.67	ND	57.4	21 - 111			
bis(2-ethylhexyl)phthalate	14266.7	6600	1300	6666.67	ND	214	39 - 131			M6
Butylbenzylphthalate	14066.7	6600	830	6666.67	ND	211	39 - 129			M6
Chrysene	5933.33	6600	1700	6666.67	ND	89.0	33 - 126			
Di-n-butylphthalate	3200.00	6600	1000	6666.67	ND	48.0	42 - 122			
Di-n-octylphthalate	15973.3	6600	1300	6666.67	ND	240	30 - 147			M6
Dibenz(a,h)anthracene	3680.00	6600	900	6666.67	ND	55.2	30 - 126			
Dibenzofuran	5066.67	6600	1200	6666.67	ND	76.0	36 - 133			
Diethyl phthalate	3840.00	6600	1200	6666.67	ND	57.6	28 - 139			
Dimethyl phthalate	4146.67	6600	810	6666.67	ND	62.2	32 - 129			
Fluoranthene	5106.67	6600	1200	6666.67	ND	76.6	23 - 140			
Fluorene	4240.00	6600	2100	6666.67	ND	63.6	32 - 130			
Hexachlorobenzene	4480.00	6600	1100	6666.67	ND	67.2	27 - 148			
Hexachlorobutadiene	5013.33	13000	1100	6666.67	ND	75.2	29 - 112			
Hexachlorocyclopentadiene	2440.00	13000	1400	6666.67	ND	36.6	13 - 147			
Hexachloroethane	3680.00	6600	1900	6666.67	ND	55.2	31 - 104			
Indeno(1,2,3-cd)pyrene	3520.00	6600	1500	6666.67	ND	52.8	21 - 137			
Isophorone	2946.67	6600	1700	6666.67	ND	44.2	34 - 112			
N-Nitroso-di-n propylamine	3026.67	6600	1200	6666.67	ND	45.4	36 - 115			
N-Nitrosodiphenylamine	4373.33	6600	630	6666.67	ND	65.6	40 - 120			
Naphthalene	5106.67	6600	1100	6666.67	ND	76.6	33 - 108			
Nitrobenzene	3213.33	6600	1100	6666.67	ND	48.2	32 - 122			
Pentachlorophenol	ND	33000	990	6666.67	ND	NR	0 - 151			
Phenanthrene	5680.00	6600	1300	6666.67	ND	85.2	40 - 122			
Phenol	2813.33	6600	680	6666.67	ND	42.2	35 - 112			
Pyrene	5453.33	6600	1400	6666.67	ND	81.8	28 - 132			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0908 - MSSEMI_NAL (continued)										
Matrix Spike (B2C0908-MS1) - Continued		**Source: 2200270-01**				Prepared: 3/2/2022 Analyzed: 3/3/2022				
Pyridine	ND	33000	5300	6666.67	ND	NR	5 - 107			M6
Surrogate: 1,2-Dichlorobenzene-d4	*4720*			*6666.67*		*70.8*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*2720*			*10000.0*		*27.2*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*5787*			*10000.0*		*57.9*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*4827*			*6666.67*		*72.4*	*34 - 106*			
Surrogate: 2-Fluorophenol	*2453*			*10000.0*		*24.5*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*4733*			*6666.67*		*71.0*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*3013*			*6666.67*		*45.2*	*23 - 102*			
Surrogate: Phenol-d6	*3867*			*10000.0*		*38.7*	*14 - 104*			
Matrix Spike Dup (B2C0908-MSD1)		**Source: 2200270-01**				Prepared: 3/2/2022 Analyzed: 3/3/2022				
1,2,4-Trichlorobenzene	4293.33	6600	990	6666.67	ND	64.4	35 - 113	4.26	20	
1,2-Dichlorobenzene	4533.33	6600	510	6666.67	ND	68.0	32 - 102	2.90	20	
1,3-Dichlorobenzene	4280.00	6600	550	6666.67	ND	64.2	32 - 100	1.25	20	
1,4-Dichlorobenzene	4146.67	6600	540	6666.67	ND	62.2	33 - 97	3.16	20	
2,4,5-Trichlorophenol	2146.67	6600	590	6666.67	ND	32.2	36 - 124	29.2	20	M6
2,4,6-Trichlorophenol	2373.33	6600	690	6666.67	ND	35.6	37 - 130	7.57	20	M6
2,4-Dichlorophenol	1853.33	33000	670	6666.67	ND	27.8	32 - 130	8.28	20	M6
2,4-Dimethylphenol	1906.67	6600	510	6666.67	ND	28.6	30 - 128	17.3	20	M6
2,4-Dinitrophenol	ND	33000	1700	6666.67	ND	NR	0 - 203	NR	20	
2,4-Dinitrotoluene	1440.00	6600	660	6666.67	ND	21.6	21 - 168	27.9	20	R
2,6-Dinitrotoluene	3080.00	6600	970	6666.67	ND	46.2	31 - 152	4.65	20	
2-Chloronaphthalene	4453.33	6600	560	6666.67	ND	66.8	33 - 130	6.38	20	
2-Chlorophenol	3826.67	6600	610	6666.67	ND	57.4	32 - 106	4.63	20	
2-Methylnaphthalene	4040.00	6600	540	6666.67	ND	60.6	33 - 125	13.5	20	
2-Methylphenol	1893.33	6600	720	6666.67	ND	28.4	34 - 96	57.6	20	M6, R
2-Nitroaniline	ND	33000	850	6666.67	ND	NR	30 - 146	NR	20	M6
2-Nitrophenol	ND	6600	900	6666.67	ND	NR	22 - 125	NR	20	M6
3,3′-Dichlorobenzidine	ND	13000	5600	6666.67	ND	NR	19 - 144	NR	20	M6
3-Nitroaniline	ND	33000	980	6666.67	ND	NR	36 - 133	NR	20	M6
4,6-Dinitro-2-methyphenol	ND	33000	830	6666.67	ND	NR	0 - 196	NR	20	
4-Bromophenyl-phenylether	3640.00	6600	1300	6666.67	ND	54.6	41 - 121	18.3	20	
4-Chloro-3-methylphenol	ND	13000	1400	6666.67	ND	NR	39 - 134	NR	20	M6
4-Chloroaniline	ND	13000	1100	6666.67	ND	NR	37 - 115	NR	20	M6
4-Chlorophenyl-phenylether	4386.67	6600	670	6666.67	ND	65.8	34 - 133	10.1	20	
4-Methylphenol	ND	6600	1100	3333.33	ND	NR	34 - 121	NR	20	M6
4-Nitroaniline	ND	33000	750	6666.67	ND	NR	30 - 138	NR	20	M6
4-Nitrophenol	ND	6600	1300	6666.67	ND	NR	5 - 154	NR	20	M6
Acenaphthene	4640.00	6600	850	6666.67	ND	69.6	33 - 121	10.6	20	
Acenaphthylene	4013.33	6600	1200	6666.67	ND	60.2	35 - 120	11.9	20	
Anthracene	3946.67	6600	1000	6666.67	ND	59.2	28 - 133	16.1	20	
Benzidine (M)	ND	33000	29000	6666.67	ND	NR	8 - 175	NR	20	M6
Benzo(a)anthracene	4586.67	6600	870	6666.67	ND	68.8	32 - 127	13.8	20	
Benzo(a)pyrene	3546.67	6600	1300	6666.67	ND	53.2	35 - 127	12.3	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/08/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0908 - MSSEMI_NAL (continued)										
Matrix Spike Dup (B2C0908-MSD1) - Continued		**Source: 2200270-01**				Prepared: 3/2/2022 Analyzed: 3/3/2022				
Benzo(b)fluoranthene	4360.00	6600	1300	6666.67	ND	65.4	29 - 126	4.78	20	
Benzo(g,h,i)perylene	3760.00	6600	1600	6666.67	ND	56.4	26 - 129	10.4	20	
Benzo(k)fluoranthene	4560.00	6600	650	6666.67	ND	68.4	36 - 120	4.01	20	
Benzoic acid	ND	33000	18000	6666.67	ND	NR	0 - 208	NR	20	
Benzyl alcohol	ND	13000	640	6666.67	ND	NR	32 - 120	NR	20	M6
bis(2-chloroethoxy)methane	2706.67	6600	1300	6666.67	ND	40.6	34 - 108	17.1	20	
bis(2-Chloroethyl)ether	2440.00	6600	1300	6666.67	ND	36.6	34 - 100	50.9	20	R
bis(2-chloroisopropyl)ether	3760.00	6600	1500	6666.67	ND	56.4	21 - 111	1.76	20	
bis(2-ethylhexyl)phthalate	14280.0	6600	1300	6666.67	ND	214	39 - 131	0.0934	20	M6
Butylbenzylphthalate	14040.0	6600	830	6666.67	ND	211	39 - 129	0.190	20	M6
Chrysene	5186.67	6600	1700	6666.67	ND	77.8	33 - 126	13.4	20	
Di-n-butylphthalate	2493.33	6600	1000	6666.67	ND	37.4	42 - 122	24.8	20	M6, R
Di-n-octylphthalate	15733.3	6600	1300	6666.67	ND	236	30 - 147	1.51	20	M6
Dibenz(a,h)anthracene	2960.00	6600	900	6666.67	ND	44.4	30 - 126	21.7	20	R
Dibenzofuran	4546.67	6600	1200	6666.67	ND	68.2	36 - 133	10.8	20	
Diethyl phthalate	3306.67	6600	1200	6666.67	ND	49.6	28 - 139	14.9	20	
Dimethyl phthalate	3813.33	6600	810	6666.67	ND	57.2	32 - 129	8.38	20	
Fluoranthene	4066.67	6600	1200	6666.67	ND	61.0	23 - 140	22.7	20	R
Fluorene	4386.67	6600	2100	6666.67	ND	65.8	32 - 130	3.40	20	
Hexachlorobenzene	3906.67	6600	1100	6666.67	ND	58.6	27 - 148	13.7	20	
Hexachlorobutadiene	5346.67	13000	1100	6666.67	ND	80.2	29 - 112	6.44	20	
Hexachlorocyclopentadiene	2493.33	13000	1400	6666.67	ND	37.4	13 - 147	2.16	20	
Hexachloroethane	3746.67	6600	1900	6666.67	ND	56.2	31 - 104	1.80	20	
Indeno(1,2,3-cd)pyrene	3173.33	6600	1500	6666.67	ND	47.6	21 - 137	10.4	20	
Isophorone	2520.00	6600	1700	6666.67	ND	37.8	34 - 112	15.6	20	
N-Nitroso-di-n propylamine	2293.33	6600	1200	6666.67	ND	34.4	36 - 115	27.6	20	M6, R
N-Nitrosodiphenylamine	3533.33	6600	630	6666.67	ND	53.0	40 - 120	21.2	20	R
Naphthalene	4626.67	6600	1100	6666.67	ND	69.4	33 - 108	9.86	20	
Nitrobenzene	2933.33	6600	1100	6666.67	ND	44.0	32 - 122	9.11	20	
Pentachlorophenol	ND	33000	990	6666.67	ND	NR	0 - 151	NR	20	
Phenanthrene	4973.33	6600	1300	6666.67	ND	74.6	40 - 122	13.3	20	
Phenol	2213.33	6600	680	6666.67	ND	33.2	35 - 112	23.9	20	M6, R
Pyrene	4400.00	6600	1400	6666.67	ND	66.0	28 - 132	21.4	20	R
Pyridine	ND	33000	5300	6666.67	ND	NR	5 - 107	NR	20	M6
Surrogate: 1,2-Dichlorobenzene-d4	*4280*			*6666.67*		*64.2*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*2107*			*10000.0*		*21.1*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*4693*			*10000.0*		*46.9*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*4160*			*6666.67*		*62.4*	*34 - 106*			
Surrogate: 2-Fluorophenol	*1853*			*10000.0*		*18.5*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*4280*			*6666.67*		*64.2*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*2320*			*6666.67*		*34.8*	*23 - 102*			
Surrogate: Phenol-d6	*3493*			*10000.0*		*34.9*	*14 - 104*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/1/22

Page 1 of 1

2200272

3.2°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) JCV
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
	62-9-1-1	3/1/22	0900	Soil	1	1			X									
	62-9-1-6		0915		5	1	4			X	X	X	X					
	62-9-1-15		0922		5	1	4			X	X	X						
	62-9-2-1		0958		1	1			X									
	62-9-2-5.5		1015		5	1	4			X	X	X	X					
	62-9-3-1		1045		1	1			X									
	62-9-3-6		1100		5	1	4			X	X	X	X					
	62-9-4-1		1135		1	1			X									
	62-9-4-5.5		1150		5	1	4			X	X	X	X					
	62-2-3-1		1300		1	1			X									
	62-2-3-6		1315		5	1	4			X	X	X	X					
	62-2-1-1		1342		1	1			X									
	62-2-1-6		1355		5	1	4			X	X	X	X					
	TB-20220301	↓	1415	↓	4		4											X

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/1/22	Time: 1703
Relinquished by: (Signature) 3/1/22 18:58	Received by: (Signature)	Date: 3/1/22	Time: 18:58
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 16, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200285
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 02, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 03/16/22 11:46 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
62-2-2-1	2200285-01	Soil	3/02/22 8:05	3/02/22 17:32
62-2-2-6	2200285-02	Soil	3/02/22 8:20	3/02/22 17:32
62-2-4-1	2200285-03	Soil	3/02/22 8:43	3/02/22 17:32
62-2-4-6	2200285-04	Soil	3/02/22 8:55	3/02/22 17:32
68-12-2-1	2200285-05	Soil	3/02/22 10:23	3/02/22 17:32
68-12-2-6	2200285-06	Soil	3/02/22 10:40	3/02/22 17:32
68-12-1-1	2200285-07	Soil	3/02/22 11:25	3/02/22 17:32
68-12-1-6	2200285-08	Soil	3/02/22 11:40	3/02/22 17:32
68-2-1-1	2200285-09	Soil	3/02/22 12:35	3/02/22 17:32
68-2-1-5.5	2200285-10	Soil	3/02/22 12:55	3/02/22 17:32
68-2-2-1	2200285-11	Soil	3/02/22 13:30	3/02/22 17:32
68-2-2-5.5	2200285-12	Soil	3/02/22 13:50	3/02/22 17:32

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Notes and Definitions

S4	Surrogate was diluted out.
S1	Surrogate recovery was above laboratory acceptance limit. No associated target analyte was detected in the sample.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
D10	Sample required dilution due to dark sample
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200285-01	62-2-2-1	**ND**	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 12:07	
2200285-03	62-2-4-1	**ND**	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 12:10	
2200285-05	68-12-2-1	**ND**	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 12:13	
2200285-07	68-12-1-1	**ND**	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 12:15	
2200285-09	68-2-1-1	**ND**	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 12:18	
2200285-11	68-2-2-1	**ND**	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 12:21	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 62-2-2-1

Lab ID: 2200285-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Barium	**77**	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Beryllium	**2.4**	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Chromium	**13**	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Cobalt	**4.7**	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Copper	**9.2**	2.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Lead	**4.7**	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Nickel	**4.7**	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Silver	**4.9**	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Vanadium	**29**	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Zinc	**33**	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 62-2-2-6
Lab ID: 2200285-02

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	50	5	B2C0928	03/03/2022	03/03/22 16:20	D10
C23-C32	ND	50	5	B2C0928	03/03/2022	03/03/22 16:20	D10
Surrogate: p-Terphenyl	*107 %*	*62 - 141*		B2C0928	03/03/2022	*03/03/22 16:20*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,1,1-Trichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,1,2-Trichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,1-Dichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,1-Dichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,1-Dichloropropene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2,3-Trichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2-Dibromo-3-chloropropane	ND	9.5	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2-Dibromoethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2-Dichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2-Dichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2-Dichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,3-Dichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,3-Dichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,4-Dichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
2,2-Dichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
2-Chlorotoluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
4-Chlorotoluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
4-Isopropyltoluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Benzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Bromobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Bromochloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Bromodichloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Bromoform	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Bromomethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Carbon disulfide	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Carbon tetrachloride	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Chlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 62-2-2-6

Lab ID: 2200285-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Chloroform	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Chloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Di-isopropyl ether	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Dibromochloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Dibromomethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Dichlorodifluoromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Ethyl Acetate	ND	47	1	B2C1029	03/09/2022	03/09/22 15:59	
Ethyl Ether	ND	47	1	B2C1029	03/09/2022	03/09/22 15:59	
Ethyl tert-butyl ether	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Ethylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Freon-113	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Hexachlorobutadiene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Isopropylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
m,p-Xylene	ND	9.5	1	B2C1029	03/09/2022	03/09/22 15:59	
Methylene chloride	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
MTBE	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
n-Butylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
n-Propylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Naphthalene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
o-Xylene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
sec-Butylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Styrene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
tert-Amyl methyl ether	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
tert-Butanol	ND	95	1	B2C1029	03/09/2022	03/09/22 15:59	
tert-Butylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Tetrachloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Toluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Trichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Trichlorofluoromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Vinyl acetate	ND	47	1	B2C1029	03/09/2022	03/09/22 15:59	
Vinyl chloride	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Surrogate: 1,2-Dichloroethane-d4	*138 %*	*66 - 200*		B2C1029	03/09/2022	*03/09/22 15:59*	
Surrogate: 4-Bromofluorobenzene	*94.8 %*	*50 - 146*		B2C1029	03/09/2022	*03/09/22 15:59*	
Surrogate: Dibromofluoromethane	*119 %*	*77 - 159*		B2C1029	03/09/2022	*03/09/22 15:59*	
Surrogate: Toluene-d8	*94.7 %*	*81 - 128*		B2C1029	03/09/2022	*03/09/22 15:59*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 62-2-2-6

Lab ID: 2200285-02

Semivolatile Organic Compounds by EPA 8270C **Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
1,2-Dichlorobenzene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
1,3-Dichlorobenzene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
1,4-Dichlorobenzene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,4,5-Trichlorophenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,4,6-Trichlorophenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,4-Dichlorophenol	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,4-Dimethylphenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,4-Dinitrophenol	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,4-Dinitrotoluene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,6-Dinitrotoluene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2-Chloronaphthalene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2-Chlorophenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2-Methylnaphthalene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2-Methylphenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2-Nitroaniline	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2-Nitrophenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
3,3′-Dichlorobenzidine	ND	33000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
3-Nitroaniline	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4,6-Dinitro-2-methyphenol	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Bromophenyl-phenylether	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Chloro-3-methylphenol	ND	33000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Chloroaniline	ND	33000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Chlorophenyl-phenylether	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Methylphenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Nitroaniline	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Nitrophenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Acenaphthene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Acenaphthylene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Anthracene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzidine (M)	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzo(a)anthracene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzo(a)pyrene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzo(b)fluoranthene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzo(g,h,i)perylene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzo(k)fluoranthene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzoic acid	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzyl alcohol	ND	33000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
bis(2-chloroethoxy)methane	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
bis(2-Chloroethyl)ether	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
bis(2-chloroisopropyl)ether	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 62-2-2-6

Lab ID: 2200285-02

Semivolatile Organic Compounds by EPA 8270C **Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
bis(2-ethylhexyl)phthalate	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Butylbenzylphthalate	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Chrysene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Di-n-butylphthalate	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Di-n-octylphthalate	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Dibenz(a,h)anthracene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Dibenzofuran	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Diethyl phthalate	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Dimethyl phthalate	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Fluoranthene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Fluorene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Hexachlorobenzene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Hexachlorobutadiene	ND	33000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Hexachlorocyclopentadiene	ND	33000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Hexachloroethane	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Indeno(1,2,3-cd)pyrene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Isophorone	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
N-Nitroso-di-n propylamine	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
N-Nitrosodiphenylamine	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Naphthalene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Nitrobenzene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Pentachlorophenol	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Phenanthrene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Phenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Pyrene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Pyridine	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Surrogate: 1,2-Dichlorobenzene-d4	*74.5 %*	*23 - 102*		B2C0938	03/03/2022	*03/04/22 14:23*	
Surrogate: 2,4,6-Tribromophenol	*0%*	*3 - 138*		B2C0938	03/03/2022	*03/04/22 14:23*	S4
Surrogate: 2-Chlorophenol-d4	*35.0 %*	*18 - 105*		B2C0938	03/03/2022	*03/04/22 14:23*	
Surrogate: 2-Fluorobiphenyl	*66.0 %*	*34 - 106*		B2C0938	03/03/2022	*03/04/22 14:23*	
Surrogate: 2-Fluorophenol	*0%*	*16 - 94*		B2C0938	03/03/2022	*03/04/22 14:23*	S4
Surrogate: 4-Terphenyl-d14	*81.5 %*	*31 - 130*		B2C0938	03/03/2022	*03/04/22 14:23*	
Surrogate: Nitrobenzene-d5	*0%*	*23 - 102*		B2C0938	03/03/2022	*03/04/22 14:23*	S4
Surrogate: Phenol-d6	*0%*	*14 - 104*		B2C0938	03/03/2022	*03/04/22 14:23*	S4

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1074	03/10/2022	03/11/22 01:02	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 62-2-2-6
Lab ID: 2200285-02

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) — **Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 4-Bromofluorobenzene	*85.2 %*	*47.6 - 121.18*		B2C1074	03/10/2022	*03/11/22 01:02*	

Client Sample ID: 62-2-4-1
Lab ID: 2200285-03

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Barium	**76**	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Beryllium	**2.5**	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Chromium	**14**	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Cobalt	**5.1**	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Copper	**9.7**	2.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Lead	**4.1**	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Nickel	**5.0**	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Silver	**5.1**	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Vanadium	**31**	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Zinc	**34**	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 62-2-4-6
Lab ID: 2200285-04

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0928	03/03/2022	03/03/22 16:40	
C23-C32	ND	10	1	B2C0928	03/03/2022	03/03/22 16:40	
Surrogate: p-Terphenyl	*129 %*	*62 - 141*		B2C0928	03/03/2022	*03/03/22 16:40*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,1,1-Trichloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,1,2,2-Tetrachloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,1,2-Trichloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,1-Dichloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,1-Dichloroethene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,1-Dichloropropene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2,3-Trichloropropane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2,3-Trichlorobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2,4-Trichlorobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2,4-Trimethylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2-Dibromoethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2-Dichlorobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2-Dichloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2-Dichloropropane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,3,5-Trimethylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,3-Dichlorobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,3-Dichloropropane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,4-Dichlorobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
2,2-Dichloropropane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
2-Chlorotoluene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
4-Chlorotoluene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
4-Isopropyltoluene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Benzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Bromobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Bromochloromethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Bromodichloromethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Bromoform	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Bromomethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Carbon disulfide	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Carbon tetrachloride	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Chlorobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 62-2-4-6

Lab ID: 2200285-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Chloroform	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Chloromethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
cis-1,2-Dichloroethene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
cis-1,3-Dichloropropene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Di-isopropyl ether	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Dibromochloromethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Dibromomethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Dichlorodifluoromethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Ethyl Acetate	ND	53	1	B2C1029	03/09/2022	03/09/22 16:25	
Ethyl Ether	ND	53	1	B2C1029	03/09/2022	03/09/22 16:25	
Ethyl tert-butyl ether	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Ethylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Freon-113	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Hexachlorobutadiene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Isopropylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
m,p-Xylene	ND	11	1	B2C1029	03/09/2022	03/09/22 16:25	
Methylene chloride	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
MTBE	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
n-Butylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
n-Propylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Naphthalene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
o-Xylene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
sec-Butylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Styrene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
tert-Amyl methyl ether	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
tert-Butanol	ND	110	1	B2C1029	03/09/2022	03/09/22 16:25	
tert-Butylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Tetrachloroethene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Toluene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
trans-1,2-Dichloroethene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
trans-1,3-Dichloropropene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Trichloroethene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Trichlorofluoromethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Vinyl acetate	ND	53	1	B2C1029	03/09/2022	03/09/22 16:25	
Vinyl chloride	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Surrogate: 1,2-Dichloroethane-d4	*130 %*	*66 - 200*		B2C1029	03/09/2022	*03/09/22 16:25*	
Surrogate: 4-Bromofluorobenzene	*97.9 %*	*50 - 146*		B2C1029	03/09/2022	*03/09/22 16:25*	
Surrogate: Dibromofluoromethane	*106 %*	*77 - 159*		B2C1029	03/09/2022	*03/09/22 16:25*	
Surrogate: Toluene-d8	*95.1 %*	*81 - 128*		B2C1029	03/09/2022	*03/09/22 16:25*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 62-2-4-6

Lab ID: 2200285-04

Semivolatile Organic Compounds by EPA 8270C **Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
1,2-Dichlorobenzene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
1,3-Dichlorobenzene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
1,4-Dichlorobenzene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2,4,5-Trichlorophenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2,4,6-Trichlorophenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2,4-Dichlorophenol	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
2,4-Dimethylphenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2,4-Dinitrophenol	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
2,4-Dinitrotoluene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2,6-Dinitrotoluene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2-Chloronaphthalene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2-Chlorophenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2-Methylnaphthalene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2-Methylphenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2-Nitroaniline	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
2-Nitrophenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
3,3´-Dichlorobenzidine	ND	660	1	B2C0938	03/03/2022	03/04/22 14:49	
3-Nitroaniline	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
4,6-Dinitro-2-methyphenol	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Bromophenyl-phenylether	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Chloro-3-methylphenol	ND	660	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Chloroaniline	ND	660	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Chlorophenyl-phenylether	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Methylphenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Nitroaniline	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Nitrophenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Acenaphthene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Acenaphthylene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Anthracene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzidine (M)	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzo(a)anthracene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzo(a)pyrene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzo(b)fluoranthene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzo(g,h,i)perylene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzo(k)fluoranthene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzoic acid	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzyl alcohol	ND	660	1	B2C0938	03/03/2022	03/04/22 14:49	
bis(2-chloroethoxy)methane	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
bis(2-Chloroethyl)ether	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
bis(2-chloroisopropyl)ether	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 62-2-4-6

Lab ID: 2200285-04

Semivolatile Organic Compounds by EPA 8270C **Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
bis(2-ethylhexyl)phthalate	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Butylbenzylphthalate	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Chrysene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Di-n-butylphthalate	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Di-n-octylphthalate	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Dibenz(a,h)anthracene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Dibenzofuran	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Diethyl phthalate	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Dimethyl phthalate	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Fluoranthene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Fluorene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Hexachlorobenzene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Hexachlorobutadiene	ND	660	1	B2C0938	03/03/2022	03/04/22 14:49	
Hexachlorocyclopentadiene	ND	660	1	B2C0938	03/03/2022	03/04/22 14:49	
Hexachloroethane	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Isophorone	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
N-Nitroso-di-n propylamine	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
N-Nitrosodiphenylamine	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Naphthalene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Nitrobenzene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Pentachlorophenol	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
Phenanthrene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Phenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Pyrene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Pyridine	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
Surrogate: 1,2-Dichlorobenzene-d4	*61.4 %*	*23 - 102*		B2C0938	03/03/2022	*03/04/22 14:49*	
Surrogate: 2,4,6-Tribromophenol	*52.9 %*	*3 - 138*		B2C0938	03/03/2022	*03/04/22 14:49*	
Surrogate: 2-Chlorophenol-d4	*61.8 %*	*18 - 105*		B2C0938	03/03/2022	*03/04/22 14:49*	
Surrogate: 2-Fluorobiphenyl	*60.7 %*	*34 - 106*		B2C0938	03/03/2022	*03/04/22 14:49*	
Surrogate: 2-Fluorophenol	*52.8 %*	*16 - 94*		B2C0938	03/03/2022	*03/04/22 14:49*	
Surrogate: 4-Terphenyl-d14	*79.3 %*	*31 - 130*		B2C0938	03/03/2022	*03/04/22 14:49*	
Surrogate: Nitrobenzene-d5	*53.8 %*	*23 - 102*		B2C0938	03/03/2022	*03/04/22 14:49*	
Surrogate: Phenol-d6	*54.5 %*	*14 - 104*		B2C0938	03/03/2022	*03/04/22 14:49*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1074	03/10/2022	03/11/22 01:26	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 62-2-4-6
Lab ID: 2200285-04

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 4-Bromofluorobenzene	*86.5 %*	*47.6 - 121.18*		B2C1074	03/10/2022	*03/11/22 01:26*	

Client Sample ID: 68-12-2-1
Lab ID: 2200285-05

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**8.4**	2.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Arsenic	**3.4**	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Barium	**52**	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Beryllium	**1.7**	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Chromium	**13**	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Cobalt	**3.3**	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Copper	**62**	2.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Lead	**87**	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Nickel	**6.0**	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Silver	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Vanadium	**23**	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Zinc	**99**	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 68-12-2-6
Lab ID: 2200285-06

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0928	03/03/2022	03/03/22 17:00	
C23-C32	ND	10	1	B2C0928	03/03/2022	03/03/22 17:00	
Surrogate: p-Terphenyl	*117 %*	*62 - 141*		B2C0928	03/03/2022	*03/03/22 17:00*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,1,1-Trichloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,1,2-Trichloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,1-Dichloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,1-Dichloroethene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,1-Dichloropropene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2,3-Trichloropropane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2-Dibromo-3-chloropropane	ND	9.8	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2-Dibromoethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2-Dichlorobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2-Dichloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2-Dichloropropane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,3-Dichlorobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,3-Dichloropropane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,4-Dichlorobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
2,2-Dichloropropane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
2-Chlorotoluene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
4-Chlorotoluene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
4-Isopropyltoluene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Benzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Bromobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Bromochloromethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Bromodichloromethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Bromoform	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Bromomethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Carbon disulfide	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Carbon tetrachloride	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Chlorobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 68-12-2-6
Lab ID: 2200285-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Chloroform	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Chloromethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
cis-1,2-Dichloroethene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
cis-1,3-Dichloropropene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Di-isopropyl ether	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Dibromochloromethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Dibromomethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Dichlorodifluoromethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Ethyl Acetate	ND	49	1	B2C1029	03/09/2022	03/09/22 16:51	
Ethyl Ether	ND	49	1	B2C1029	03/09/2022	03/09/22 16:51	
Ethyl tert-butyl ether	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Ethylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Freon-113	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Hexachlorobutadiene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Isopropylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
m,p-Xylene	ND	9.8	1	B2C1029	03/09/2022	03/09/22 16:51	
Methylene chloride	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
MTBE	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
n-Butylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
n-Propylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Naphthalene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
o-Xylene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
sec-Butylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Styrene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
tert-Amyl methyl ether	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
tert-Butanol	ND	98	1	B2C1029	03/09/2022	03/09/22 16:51	
tert-Butylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Tetrachloroethene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Toluene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
trans-1,2-Dichloroethene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
trans-1,3-Dichloropropene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Trichloroethene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Trichlorofluoromethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Vinyl acetate	ND	49	1	B2C1029	03/09/2022	03/09/22 16:51	
Vinyl chloride	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Surrogate: 1,2-Dichloroethane-d4	*133 %*	*66 - 200*		B2C1029	03/09/2022	*03/09/22 16:51*	
Surrogate: 4-Bromofluorobenzene	*91.8 %*	*50 - 146*		B2C1029	03/09/2022	*03/09/22 16:51*	
Surrogate: Dibromofluoromethane	*114 %*	*77 - 159*		B2C1029	03/09/2022	*03/09/22 16:51*	
Surrogate: Toluene-d8	*92.7 %*	*81 - 128*		B2C1029	03/09/2022	*03/09/22 16:51*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 68-12-2-6
Lab ID: 2200285-06

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) — **Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1074	03/10/2022	03/11/22 01:51	
Surrogate: 4-Bromofluorobenzene	*88.5 %*	*47.6 - 121.18*		B2C1074	03/10/2022	*03/11/22 01:51*	

Client Sample ID: 68-12-1-1
Lab ID: 2200285-07

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Barium	**68**	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Beryllium	**2.1**	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Chromium	**10**	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Cobalt	**4.0**	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Copper	**8.4**	2.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Lead	**1.9**	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Nickel	**3.5**	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Silver	**8.3**	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Vanadium	**24**	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Zinc	**26**	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 68-12-1-6
Lab ID: 2200285-08

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0928	03/03/2022	03/03/22 17:20	
C23-C32	ND	10	1	B2C0928	03/03/2022	03/03/22 17:20	
Surrogate: p-Terphenyl	*148 %*	*62 - 141*		B2C0928	03/03/2022	*03/03/22 17:20*	S1

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,1,1-Trichloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,1,2,2-Tetrachloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,1,2-Trichloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,1-Dichloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,1-Dichloroethene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,1-Dichloropropene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2,3-Trichloropropane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2,3-Trichlorobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2,4-Trichlorobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2,4-Trimethylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2-Dibromoethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2-Dichlorobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2-Dichloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2-Dichloropropane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,3,5-Trimethylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,3-Dichlorobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,3-Dichloropropane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,4-Dichlorobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
2,2-Dichloropropane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
2-Chlorotoluene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
4-Chlorotoluene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
4-Isopropyltoluene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Benzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Bromobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Bromochloromethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Bromodichloromethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Bromoform	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Bromomethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Carbon disulfide	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Carbon tetrachloride	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Chlorobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 68-12-1-6
Lab ID: 2200285-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Chloroform	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Chloromethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
cis-1,2-Dichloroethene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
cis-1,3-Dichloropropene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Di-isopropyl ether	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Dibromochloromethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Dibromomethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Dichlorodifluoromethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Ethyl Acetate	ND	56	1	B2C1029	03/09/2022	03/09/22 17:17	
Ethyl Ether	ND	56	1	B2C1029	03/09/2022	03/09/22 17:17	
Ethyl tert-butyl ether	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Ethylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Freon-113	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Hexachlorobutadiene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Isopropylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
m,p-Xylene	ND	11	1	B2C1029	03/09/2022	03/09/22 17:17	
Methylene chloride	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
MTBE	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
n-Butylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
n-Propylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Naphthalene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
o-Xylene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
sec-Butylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Styrene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
tert-Amyl methyl ether	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
tert-Butanol	ND	110	1	B2C1029	03/09/2022	03/09/22 17:17	
tert-Butylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Tetrachloroethene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Toluene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
trans-1,2-Dichloroethene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
trans-1,3-Dichloropropene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Trichloroethene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Trichlorofluoromethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Vinyl acetate	ND	56	1	B2C1029	03/09/2022	03/09/22 17:17	
Vinyl chloride	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Surrogate: 1,2-Dichloroethane-d4	*148 %*	*66 - 200*		B2C1029	03/09/2022	*03/09/22 17:17*	
Surrogate: 4-Bromofluorobenzene	*96.3 %*	*50 - 146*		B2C1029	03/09/2022	*03/09/22 17:17*	
Surrogate: Dibromofluoromethane	*117 %*	*77 - 159*		B2C1029	03/09/2022	*03/09/22 17:17*	
Surrogate: Toluene-d8	*94.2 %*	*81 - 128*		B2C1029	03/09/2022	*03/09/22 17:17*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 68-12-1-6
Lab ID: 2200285-08

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.99	1	B2C1074	03/10/2022	03/11/22 02:15	
Surrogate: 4-Bromofluorobenzene	*87.2 %*	*47.6 - 121.18*		B2C1074	03/10/2022	*03/11/22 02:15*	

Client Sample ID: 68-2-1-1
Lab ID: 2200285-09

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Barium	**84**	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Beryllium	**2.6**	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Chromium	**15**	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Cobalt	**4.9**	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Copper	**10**	2.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Lead	**2.9**	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Nickel	**4.4**	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Silver	**5.2**	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Vanadium	**31**	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Zinc	**33**	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 68-2-1-5.5
Lab ID: 2200285-10

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0928	03/03/2022	03/03/22 17:41	
C23-C32	ND	10	1	B2C0928	03/03/2022	03/03/22 17:41	
Surrogate: p-Terphenyl	*104 %*	*62 - 141*		B2C0928	03/03/2022	*03/03/22 17:41*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,1,1-Trichloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,1,2-Trichloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,1-Dichloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,1-Dichloroethene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,1-Dichloropropene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2,3-Trichloropropane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2,3-Trichlorobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2,4-Trichlorobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2,4-Trimethylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2-Dibromoethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2-Dichlorobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2-Dichloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2-Dichloropropane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,3,5-Trimethylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,3-Dichlorobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,3-Dichloropropane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,4-Dichlorobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
2,2-Dichloropropane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
2-Chlorotoluene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
4-Chlorotoluene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
4-Isopropyltoluene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Benzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Bromobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Bromochloromethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Bromodichloromethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Bromoform	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Bromomethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Carbon disulfide	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Carbon tetrachloride	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Chlorobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 68-2-1-5.5
Lab ID: 2200285-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Chloroform	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Chloromethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
cis-1,2-Dichloroethene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
cis-1,3-Dichloropropene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Di-isopropyl ether	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Dibromochloromethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Dibromomethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Dichlorodifluoromethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Ethyl Acetate	ND	37	1	B2C1029	03/09/2022	03/09/22 17:43	
Ethyl Ether	ND	37	1	B2C1029	03/09/2022	03/09/22 17:43	
Ethyl tert-butyl ether	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Ethylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Freon-113	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Hexachlorobutadiene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Isopropylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
m,p-Xylene	ND	7.3	1	B2C1029	03/09/2022	03/09/22 17:43	
Methylene chloride	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
MTBE	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
n-Butylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
n-Propylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Naphthalene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
o-Xylene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
sec-Butylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Styrene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
tert-Amyl methyl ether	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
tert-Butanol	ND	73	1	B2C1029	03/09/2022	03/09/22 17:43	
tert-Butylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Tetrachloroethene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Toluene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
trans-1,2-Dichloroethene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
trans-1,3-Dichloropropene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Trichloroethene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Trichlorofluoromethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Vinyl acetate	ND	37	1	B2C1029	03/09/2022	03/09/22 17:43	
Vinyl chloride	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Surrogate: 1,2-Dichloroethane-d4	*144 %*	*66 - 200*		B2C1029	03/09/2022	*03/09/22 17:43*	
Surrogate: 4-Bromofluorobenzene	*94.0 %*	*50 - 146*		B2C1029	03/09/2022	*03/09/22 17:43*	
Surrogate: Dibromofluoromethane	*125 %*	*77 - 159*		B2C1029	03/09/2022	*03/09/22 17:43*	
Surrogate: Toluene-d8	*98.6 %*	*81 - 128*		B2C1029	03/09/2022	*03/09/22 17:43*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 68-2-1-5.5
Lab ID: 2200285-10

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) — **Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1074	03/10/2022	03/11/22 02:39	
Surrogate: 4-Bromofluorobenzene	*85.4 %*	*47.6 - 121.18*		B2C1074	03/10/2022	*03/11/22 02:39*	

Client Sample ID: 68-2-2-1
Lab ID: 2200285-11

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Barium	**110**	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Beryllium	**3.1**	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Chromium	**16**	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Cobalt	**6.3**	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Copper	**13**	2.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Lead	**12**	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Nickel	**5.5**	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Silver	**6.4**	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Vanadium	**37**	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Zinc	**54**	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 68-2-2-5.5
Lab ID: 2200285-12

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0928	03/03/2022	03/03/22 18:01	
C23-C32	ND	10	1	B2C0928	03/03/2022	03/03/22 18:01	
Surrogate: p-Terphenyl	*102 %*	*62 - 141*		B2C0928	03/03/2022	*03/03/22 18:01*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,1,1-Trichloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,1,2,2-Tetrachloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,1,2-Trichloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,1-Dichloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,1-Dichloroethene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,1-Dichloropropene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2,3-Trichloropropane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2,3-Trichlorobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2,4-Trichlorobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2,4-Trimethylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2-Dibromo-3-chloropropane	ND	6.9	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2-Dibromoethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2-Dichlorobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2-Dichloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2-Dichloropropane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,3,5-Trimethylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,3-Dichlorobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,3-Dichloropropane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,4-Dichlorobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
2,2-Dichloropropane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
2-Chlorotoluene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
4-Chlorotoluene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
4-Isopropyltoluene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Benzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Bromobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Bromochloromethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Bromodichloromethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Bromoform	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Bromomethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Carbon disulfide	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Carbon tetrachloride	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Chlorobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 68-2-2-5.5
Lab ID: 2200285-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Chloroform	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Chloromethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
cis-1,2-Dichloroethene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
cis-1,3-Dichloropropene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Di-isopropyl ether	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Dibromochloromethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Dibromomethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Dichlorodifluoromethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Ethyl Acetate	ND	35	1	B2C1029	03/09/2022	03/09/22 18:09	
Ethyl Ether	ND	35	1	B2C1029	03/09/2022	03/09/22 18:09	
Ethyl tert-butyl ether	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Ethylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Freon-113	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Hexachlorobutadiene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Isopropylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
m,p-Xylene	ND	6.9	1	B2C1029	03/09/2022	03/09/22 18:09	
Methylene chloride	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
MTBE	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
n-Butylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
n-Propylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Naphthalene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
o-Xylene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
sec-Butylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Styrene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
tert-Amyl methyl ether	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
tert-Butanol	ND	69	1	B2C1029	03/09/2022	03/09/22 18:09	
tert-Butylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Tetrachloroethene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Toluene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
trans-1,2-Dichloroethene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
trans-1,3-Dichloropropene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Trichloroethene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Trichlorofluoromethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Vinyl acetate	ND	35	1	B2C1029	03/09/2022	03/09/22 18:09	
Vinyl chloride	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Surrogate: 1,2-Dichloroethane-d4	*154 %*	*66 - 200*		B2C1029	03/09/2022	*03/09/22 18:09*	
Surrogate: 4-Bromofluorobenzene	*96.0 %*	*50 - 146*		B2C1029	03/09/2022	*03/09/22 18:09*	
Surrogate: Dibromofluoromethane	*121 %*	*77 - 159*		B2C1029	03/09/2022	*03/09/22 18:09*	
Surrogate: Toluene-d8	*93.9 %*	*81 - 128*		B2C1029	03/09/2022	*03/09/22 18:09*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Client Sample ID: 68-2-2-5.5

Lab ID: 2200285-12

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1074	03/10/2022	03/11/22 03:04	
Surrogate: 4-Bromofluorobenzene	*89.6 %*	*47.6 - 121.18*		B2C1074	03/10/2022	*03/11/22 03:04*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

QUALITY CONTROL SECTION

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1074 - GCVOA_S										
Blank (B2C1074-BLK1)						Prepared: 3/10/2022 Analyzed: 3/11/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6410*			*0.800000*		*80.1*	*47.6 - 121.18*			
LCS (B2C1074-BS1)						Prepared: 3/10/2022 Analyzed: 3/10/2022				
Gasoline Range Organics	5.70800	1.0	0.13	5.00000		114	58.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7177*			*0.800000*		*89.7*	*47.6 - 121.18*			
LCS Dup (B2C1074-BSD1)						Prepared: 3/10/2022 Analyzed: 3/11/2022				
Gasoline Range Organics	5.85800	1.0	0.13	5.00000		117	58.69 - 124.04	2.59	20	
Surrogate: 4-Bromofluorobenzene	*0.7248*			*0.800000*		*90.6*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0951 - EPA 3050B_S										
Blank (B2C0951-BLK1)						Prepared: 3/4/2022 Analyzed: 3/8/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C0951-BS1)						Prepared: 3/4/2022 Analyzed: 3/8/2022				
Antimony	23.1854	2.0	0.51	25.0000		92.7	80 - 120			
Arsenic	22.9458	1.0	0.12	25.0000		91.8	80 - 120			
Barium	22.3880	1.0	0.12	25.0000		89.6	80 - 120			
Beryllium	24.0710	1.0	0.03	25.0100		96.2	80 - 120			
Cadmium	23.7821	1.0	0.14	25.0000		95.1	80 - 120			
Chromium	23.3078	1.0	0.26	25.0000		93.2	80 - 120			
Cobalt	24.8833	1.0	0.07	25.0000		99.5	80 - 120			
Copper	22.9524	2.0	0.19	25.0000		91.8	80 - 120			
Lead	23.3185	1.0	0.18	25.0000		93.3	80 - 120			
Molybdenum	23.9518	1.0	0.12	25.0000		95.8	80 - 120			
Nickel	23.5133	1.0	0.18	25.0000		94.1	80 - 120			
Selenium	23.8315	1.0	0.40	25.0000		95.3	80 - 120			
Silver	11.2073	1.0	0.12	12.5000		89.7	80 - 120			
Thallium	23.3307	1.0	0.38	25.0000		93.3	80 - 120			
Vanadium	23.1011	1.0	0.06	25.0000		92.4	80 - 120			
Zinc	23.7356	1.0	0.15	25.0000		94.9	80 - 120			
Matrix Spike (B2C0951-MS1)			**Source: 2200285-01**			Prepared: 3/4/2022 Analyzed: 3/8/2022				
Antimony	10.9099	2.0	0.51	25.0000	ND	43.6	0 - 102			
Arsenic	19.5336	1.0	0.12	25.0000	ND	78.1	55 - 117			
Barium	96.8798	1.0	0.12	25.0000	76.8436	80.1	11 - 177			
Beryllium	18.2354	1.0	0.03	25.0100	2.40245	63.3	64 - 115			M2
Cadmium	20.1361	1.0	0.14	25.0000	0.387800	79.0	62 - 116			
Chromium	32.2407	1.0	0.26	25.0000	12.7233	78.1	42 - 145			
Cobalt	25.7868	1.0	0.07	25.0000	4.68113	84.4	60 - 126			
Copper	31.0476	2.0	0.19	25.0000	9.22346	87.3	37 - 163			
Lead	23.1841	1.0	0.18	25.0000	4.72732	73.8	26 - 161			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/16/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0951 - EPA 3050B_S (continued)										
Matrix Spike (B2C0951-MS1) - Continued			**Source: 2200285-01**			Prepared: 3/4/2022 Analyzed: 3/8/2022				
Molybdenum	20.2106	1.0	0.12	25.0000	0.160201	80.2	31 - 122			
Nickel	19.4956	1.0	0.18	25.0000	4.69301	59.2	52 - 130			
Selenium	19.3991	1.0	0.40	25.0000	ND	77.6	25 - 129			
Silver	14.7389	1.0	0.12	12.5000	4.94651	78.3	48 - 133			
Thallium	19.0993	1.0	0.38	25.0000	ND	76.4	25 - 119			
Vanadium	50.4672	1.0	0.06	25.0000	28.8134	86.6	51 - 141			
Zinc	52.8232	1.0	0.15	25.0000	32.6049	80.9	8 - 170			
Matrix Spike Dup (B2C0951-MSD1)			**Source: 2200285-01**			Prepared: 3/4/2022 Analyzed: 3/8/2022				
Antimony	10.5937	2.0	0.51	25.0000	ND	42.4	0 - 102	2.94	20	
Arsenic	19.4829	1.0	0.12	25.0000	ND	77.9	55 - 117	0.260	20	
Barium	96.2537	1.0	0.12	25.0000	76.8436	77.6	11 - 177	0.648	20	
Beryllium	18.1937	1.0	0.03	25.0100	2.40245	63.1	64 - 115	0.229	20	M2
Cadmium	19.9435	1.0	0.14	25.0000	0.387800	78.2	62 - 116	0.961	20	
Chromium	32.0574	1.0	0.26	25.0000	12.7233	77.3	42 - 145	0.570	20	
Cobalt	25.7364	1.0	0.07	25.0000	4.68113	84.2	60 - 126	0.195	20	
Copper	30.4054	2.0	0.19	25.0000	9.22346	84.7	37 - 163	2.09	20	
Lead	22.9674	1.0	0.18	25.0000	4.72732	73.0	26 - 161	0.939	20	
Molybdenum	20.1250	1.0	0.12	25.0000	0.160201	79.9	31 - 122	0.425	20	
Nickel	19.5683	1.0	0.18	25.0000	4.69301	59.5	52 - 130	0.372	20	
Selenium	20.1247	1.0	0.40	25.0000	ND	80.5	25 - 129	3.67	20	
Silver	14.8017	1.0	0.12	12.5000	4.94651	78.8	48 - 133	0.425	20	
Thallium	18.4734	1.0	0.38	25.0000	ND	73.9	25 - 119	3.33	20	
Vanadium	50.3514	1.0	0.06	25.0000	28.8134	86.2	51 - 141	0.230	20	
Zinc	52.1772	1.0	0.15	25.0000	32.6049	78.3	8 - 170	1.23	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0946 - EPA 7471_S										
Blank (B2C0946-BLK1)						Prepared: 3/4/2022 Analyzed: 3/8/2022				
Mercury	ND	0.10	0.01							
LCS (B2C0946-BS1)						Prepared: 3/4/2022 Analyzed: 3/8/2022				
Mercury	0.423307	0.10	0.01	0.416667		102	80 - 120			
Matrix Spike (B2C0946-MS1)			**Source: 2200255-01**			Prepared: 3/4/2022 Analyzed: 3/8/2022				
Mercury	0.425701	0.10	0.01	0.416667	ND	102	70 - 130			
Matrix Spike Dup (B2C0946-MSD1)			**Source: 2200255-01**			Prepared: 3/4/2022 Analyzed: 3/8/2022				
Mercury	0.423594	0.10	0.01	0.416667	ND	102	70 - 130	0.496	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0946 - EPA 7471_S									
Post Spike (B2C0946-PS1)			**Source: 2200255-01**		Prepared: 3/4/2022 Analyzed: 3/8/2022				
Mercury	0.005005		5.00000E-3	0.000096	98.2	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0928 - GCSEMI_DRO_S										
Blank (B2C0928-BLK1)						Prepared: 3/3/2022 Analyzed: 3/3/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*82.53*			*80.0000*		*103*	*62 - 141*			
Blank (B2C0928-BLK2)						Prepared: 3/3/2022 Analyzed: 3/7/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*91.48*			*80.0000*		*114*	*62 - 141*			
LCS (B2C0928-BS1)						Prepared: 3/3/2022 Analyzed: 3/3/2022				
DRO	1008.65	10	3.6	1000.00		101	56 - 139			
Surrogate: p-Terphenyl	*89.22*			*80.0000*		*112*	*62 - 141*			
LCS (B2C0928-BS2)						Prepared: 3/3/2022 Analyzed: 3/7/2022				
DRO	1065.00	10	3.6	1000.00		107	56 - 139			
Surrogate: p-Terphenyl	*95.45*			*80.0000*		*119*	*62 - 141*			
Duplicate (B2C0928-DUP1)			**Source: 2200212-31**			Prepared: 3/3/2022 Analyzed: 3/3/2022				
DRO	6.26000	10	3.6		6.13900			1.95	20	
Surrogate: p-Terphenyl	*110.3*			*80.0000*		*138*	*62 - 141*			
Matrix Spike (B2C0928-MS1)			**Source: 2200284-01**			Prepared: 3/3/2022 Analyzed: 3/3/2022				
DRO	945.678	20	7.1	1000.00	20.9720	92.5	38 - 161			
Surrogate: p-Terphenyl	*89.47*			*80.0000*		*112*	*62 - 141*			
Matrix Spike Dup (B2C0928-MSD1)			**Source: 2200284-01**			Prepared: 3/3/2022 Analyzed: 3/3/2022				
DRO	957.378	20	7.1	1000.00	20.9720	93.6	38 - 161	1.23	20	
Surrogate: p-Terphenyl	*88.49*			*80.0000*		*111*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S										
Blank (B2C1029-BLK1)							Prepared: 3/9/2022 Analyzed: 3/9/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S (continued)										
Blank (B2C1029-BLK1) - Continued						Prepared: 3/9/2022 Analyzed: 3/9/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*63.82*			*50.0000*		*128*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*45.13*			*50.0000*		*90.3*	*50 - 146*			
Surrogate: Dibromofluoromethane	*56.24*			*50.0000*		*112*	*77 - 159*			
Surrogate: Toluene-d8	*48.33*			*50.0000*		*96.7*	*81 - 128*			
Blank (B2C1029-BLK2)						Prepared: 3/9/2022 Analyzed: 3/9/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S (continued)										
Blank (B2C1029-BLK2) - Continued							Prepared: 3/9/2022 Analyzed: 3/9/2022			
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S (continued)										
Blank (B2C1029-BLK2) - Continued						Prepared: 3/9/2022 Analyzed: 3/9/2022				
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*62.77*			*50.0000*		*126*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.40*			*50.0000*		*96.8*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.97*			*50.0000*		*108*	*77 - 159*			
Surrogate: Toluene-d8	*47.58*			*50.0000*		*95.2*	*81 - 128*			
LCS (B2C1029-BS1)						Prepared: 3/9/2022 Analyzed: 3/9/2022				
1,1,1,2-Tetrachloroethane	50.2600	5.0	0.52	50.0000		101	84 - 123			
1,1,1-Trichloroethane	58.7400	5.0	0.26	50.0000		117	78 - 133			
1,1,2,2-Tetrachloroethane	39.3400	5.0	0.21	50.0000		78.7	63 - 127			
1,1,2-Trichloroethane	47.6200	5.0	0.40	50.0000		95.2	80 - 125			
1,1-Dichloroethane	53.5300	5.0	1.4	50.0000		107	77 - 128			
1,1-Dichloroethene	57.2700	5.0	1.9	50.0000		115	69 - 138			
1,1-Dichloropropene	51.0800	5.0	0.54	50.0000		102	80 - 133			
1,2,3-Trichloropropane	43.7000	5.0	0.40	50.0000		87.4	74 - 123			
1,2,3-Trichlorobenzene	45.0600	5.0	0.83	50.0000		90.1	79 - 133			
1,2,4-Trichlorobenzene	43.5000	5.0	0.80	50.0000		87.0	73 - 131			
1,2,4-Trimethylbenzene	45.8100	5.0	0.91	50.0000		91.6	86 - 137			
1,2-Dibromo-3-chloropropane	42.9100	10	1.1	50.0000		85.8	62 - 127			
1,2-Dibromoethane	48.4300	5.0	0.40	50.0000		96.9	83 - 126			
1,2-Dichlorobenzene	43.4400	5.0	0.21	50.0000		86.9	83 - 123			
1,2-Dichloroethane	55.5800	5.0	0.50	50.0000		111	76 - 128			
1,2-Dichloropropane	44.5100	5.0	0.46	50.0000		89.0	77 - 121			
1,3,5-Trimethylbenzene	44.9900	5.0	0.70	50.0000		90.0	84 - 135			
1,3-Dichlorobenzene	43.8600	5.0	0.36	50.0000		87.7	81 - 126			
1,3-Dichloropropane	48.7100	5.0	0.49	50.0000		97.4	80 - 118			
1,4-Dichlorobenzene	44.8100	5.0	0.27	50.0000		89.6	80 - 124			
2,2-Dichloropropane	53.1300	5.0	0.28	50.0000		106	72 - 135			
2-Chlorotoluene	46.2600	5.0	0.53	50.0000		92.5	81 - 127			
4-Chlorotoluene	45.9800	5.0	0.40	50.0000		92.0	83 - 127			
4-Isopropyltoluene	43.6400	5.0	0.81	50.0000		87.3	82 - 143			
Benzene	49.9700	5.0	0.36	50.0000		99.9	84 - 123			
Bromobenzene	44.7900	5.0	0.62	50.0000		89.6	80 - 122			
Bromochloromethane	50.4800	5.0	0.30	50.0000		101	83 - 127			
Bromodichloromethane	54.1900	5.0	0.52	50.0000		108	82 - 123			
Bromoform	47.3900	5.0	1.4	50.0000		94.8	80 - 132			
Bromomethane	79.7500	5.0	2.5	50.0000		160	67 - 176			

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Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S (continued)										
LCS (B2C1029-BS1) - Continued						Prepared: 3/9/2022 Analyzed: 3/9/2022				
Carbon disulfide	57.3000	5.0	0.94	50.0000		115	75 - 138			
Carbon tetrachloride	54.0200	5.0	0.73	50.0000		108	76 - 131			
Chlorobenzene	47.8600	5.0	0.42	50.0000		95.7	84 - 119			
Chloroethane	67.1000	5.0	1.5	50.0000		134	56 - 170			
Chloroform	56.9800	5.0	0.24	50.0000		114	78 - 129			
Chloromethane	46.3000	5.0	1.1	50.0000		92.6	63 - 141			
cis-1,2-Dichloroethene	41.1200	5.0	0.20	50.0000		82.2	83 - 125			L3
cis-1,3-Dichloropropene	42.7700	5.0	0.39	50.0000		85.5	76 - 129			
Di-isopropyl ether	46.8500	5.0	1.9	50.0000		93.7	73 - 132			
Dibromochloromethane	45.2900	5.0	0.81	50.0000		90.6	81 - 120			
Dibromomethane	51.4800	5.0	0.23	50.0000		103	79 - 124			
Dichlorodifluoromethane	51.9600	5.0	0.14	50.0000		104	18 - 199			
Ethyl Acetate	32.2300	50	7.0	500.000		6.45	76 - 138			MO
Ethyl Ether	655.370	50	17	500.000		131	74 - 128			L4
Ethyl tert-butyl ether	47.5600	5.0	0.85	50.0000		95.1	50 - 175			
Ethylbenzene	49.8400	5.0	0.43	50.0000		99.7	86 - 130			
Freon-113	64.6700	5.0	1.3	50.0000		129	66 - 132			
Hexachlorobutadiene	49.5600	5.0	0.40	50.0000		99.1	64 - 135			
Isopropylbenzene	45.4000	5.0	0.79	50.0000		90.8	80 - 133			
m,p-Xylene	98.7300	10	0.98	100.000		98.7	89 - 133			
Methylene chloride	51.4400	5.0	2.2	50.0000		103	72 - 143			
MTBE	49.3900	5.0	0.81	50.0000		98.8	73 - 136			
n-Butylbenzene	45.6600	5.0	1.2	50.0000		91.3	76 - 144			
n-Propylbenzene	45.5600	5.0	0.78	50.0000		91.1	81 - 136			
Naphthalene	40.3100	5.0	1.1	50.0000		80.6	64 - 128			
o-Xylene	49.2700	5.0	0.67	50.0000		98.5	82 - 134			
sec-Butylbenzene	44.5600	5.0	0.63	50.0000		89.1	81 - 138			
Styrene	48.5700	5.0	0.45	50.0000		97.1	79 - 152			
tert-Amyl methyl ether	49.9400	5.0	1.1	50.0000		99.9	48 - 166			
tert-Butanol	180.980	100	11	250.000		72.4	48 - 148			
tert-Butylbenzene	44.9400	5.0	0.80	50.0000		89.9	81 - 135			
Tetrachloroethene	50.9000	5.0	0.31	50.0000		102	75 - 127			
Toluene	50.0700	5.0	0.27	50.0000		100	88 - 130			
trans-1,2-Dichloroethene	70.0000	5.0	0.56	50.0000		140	79 - 127			L5
trans-1,3-Dichloropropene	48.8800	5.0	0.59	50.0000		97.8	80 - 130			
Trichloroethene	50.8500	5.0	0.32	50.0000		102	83 - 126			
Trichlorofluoromethane	68.4500	5.0	1.0	50.0000		137	62 - 143			
Vinyl acetate	36.8600	50	6.0	500.000		7.37	69 - 150			MO
Vinyl chloride	61.2000	5.0	0.92	50.0000		122	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*59.12*			*50.0000*		*118*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.83*			*50.0000*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.59*			*50.0000*		*107*	*77 - 159*			
Surrogate: Toluene-d8	*48.47*			*50.0000*		*96.9*	*81 - 128*			
LCS Dup (B2C1029-BSD1)						Prepared: 3/9/2022 Analyzed: 3/9/2022				

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19200 Von Karman Ave., Suite 800
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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S (continued)										
LCS Dup (B2C1029-BSD1) - Continued						Prepared: 3/9/2022 Analyzed: 3/9/2022				
1,1,1,2-Tetrachloroethane	48.6900	5.0	0.52	50.0000		97.4	84 - 123	3.17	20	
1,1,1-Trichloroethane	56.7200	5.0	0.26	50.0000		113	78 - 133	3.50	20	
1,1,2,2-Tetrachloroethane	43.3100	5.0	0.21	50.0000		86.6	63 - 127	9.61	20	
1,1,2-Trichloroethane	50.8500	5.0	0.40	50.0000		102	80 - 125	6.56	20	
1,1-Dichloroethane	51.8200	5.0	1.4	50.0000		104	77 - 128	3.25	20	
1,1-Dichloroethene	56.3300	5.0	1.9	50.0000		113	69 - 138	1.65	20	
1,1-Dichloropropene	49.9300	5.0	0.54	50.0000		99.9	80 - 133	2.28	20	
1,2,3-Trichloropropane	45.3800	5.0	0.40	50.0000		90.8	74 - 123	3.77	20	
1,2,3-Trichlorobenzene	47.2500	5.0	0.83	50.0000		94.5	79 - 133	4.74	20	
1,2,4-Trichlorobenzene	44.6900	5.0	0.80	50.0000		89.4	73 - 131	2.70	20	
1,2,4-Trimethylbenzene	46.8000	5.0	0.91	50.0000		93.6	86 - 137	2.14	20	
1,2-Dibromo-3-chloropropane	47.0200	10	1.1	50.0000		94.0	62 - 127	9.14	20	
1,2-Dibromoethane	48.8000	5.0	0.40	50.0000		97.6	83 - 126	0.761	20	
1,2-Dichlorobenzene	45.0000	5.0	0.21	50.0000		90.0	83 - 123	3.53	20	
1,2-Dichloroethane	54.3200	5.0	0.50	50.0000		109	76 - 128	2.29	20	
1,2-Dichloropropane	48.7900	5.0	0.46	50.0000		97.6	77 - 121	9.17	20	
1,3,5-Trimethylbenzene	46.0300	5.0	0.70	50.0000		92.1	84 - 135	2.29	20	
1,3-Dichlorobenzene	45.0800	5.0	0.36	50.0000		90.2	81 - 126	2.74	20	
1,3-Dichloropropane	48.5200	5.0	0.49	50.0000		97.0	80 - 118	0.391	20	
1,4-Dichlorobenzene	44.7200	5.0	0.27	50.0000		89.4	80 - 124	0.201	20	
2,2-Dichloropropane	54.5800	5.0	0.28	50.0000		109	72 - 135	2.69	20	
2-Chlorotoluene	44.7700	5.0	0.53	50.0000		89.5	81 - 127	3.27	20	
4-Chlorotoluene	47.6400	5.0	0.40	50.0000		95.3	83 - 127	3.55	20	
4-Isopropyltoluene	46.8200	5.0	0.81	50.0000		93.6	82 - 143	7.03	20	
Benzene	50.8800	5.0	0.36	50.0000		102	84 - 123	1.80	20	
Bromobenzene	47.0100	5.0	0.62	50.0000		94.0	80 - 122	4.84	20	
Bromochloromethane	47.3900	5.0	0.30	50.0000		94.8	83 - 127	6.31	20	
Bromodichloromethane	54.6600	5.0	0.52	50.0000		109	82 - 123	0.864	20	
Bromoform	48.2000	5.0	1.4	50.0000		96.4	80 - 132	1.69	20	
Bromomethane	76.6100	5.0	2.5	50.0000		153	67 - 176	4.02	20	
Carbon disulfide	54.3200	5.0	0.94	50.0000		109	75 - 138	5.34	20	
Carbon tetrachloride	57.5500	5.0	0.73	50.0000		115	76 - 131	6.33	20	
Chlorobenzene	48.5700	5.0	0.42	50.0000		97.1	84 - 119	1.47	20	
Chloroethane	65.8100	5.0	1.5	50.0000		132	56 - 170	1.94	20	
Chloroform	55.9900	5.0	0.24	50.0000		112	78 - 129	1.75	20	
Chloromethane	46.8600	5.0	1.1	50.0000		93.7	63 - 141	1.20	20	
cis-1,2-Dichloroethene	39.3500	5.0	0.20	50.0000		78.7	83 - 125	4.40	20	L3
cis-1,3-Dichloropropene	43.4200	5.0	0.39	50.0000		86.8	76 - 129	1.51	20	
Di-isopropyl ether	48.0000	5.0	1.9	50.0000		96.0	73 - 132	2.42	20	
Dibromochloromethane	49.2800	5.0	0.81	50.0000		98.6	81 - 120	8.44	20	
Dibromomethane	49.4600	5.0	0.23	50.0000		98.9	79 - 124	4.00	20	
Dichlorodifluoromethane	48.6900	5.0	0.14	50.0000		97.4	18 - 199	6.50	20	
Ethyl Acetate	18.4700	50	7.0	500.000		3.69	76 - 138	54.3	20	MO, R
Ethyl Ether	636.320	50	17	500.000		127	74 - 128	2.95	20	
Ethyl tert-butyl ether	46.8800	5.0	0.85	50.0000		93.8	50 - 175	1.44	20	

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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S (continued)										
LCS Dup (B2C1029-BSD1) - Continued						Prepared: 3/9/2022 Analyzed: 3/9/2022				
Ethylbenzene	51.1200	5.0	0.43	50.0000		102	86 - 130	2.54	20	
Freon-113	63.1200	5.0	1.3	50.0000		126	66 - 132	2.43	20	
Hexachlorobutadiene	48.1300	5.0	0.40	50.0000		96.3	64 - 135	2.93	20	
Isopropylbenzene	49.1600	5.0	0.79	50.0000		98.3	80 - 133	7.95	20	
m,p-Xylene	101.660	10	0.98	100.000		102	89 - 133	2.92	20	
Methylene chloride	50.7100	5.0	2.2	50.0000		101	72 - 143	1.43	20	
MTBE	46.6800	5.0	0.81	50.0000		93.4	73 - 136	5.64	20	
n-Butylbenzene	45.9400	5.0	1.2	50.0000		91.9	76 - 144	0.611	20	
n-Propylbenzene	45.2600	5.0	0.78	50.0000		90.5	81 - 136	0.661	20	
Naphthalene	42.4000	5.0	1.1	50.0000		84.8	64 - 128	5.05	20	
o-Xylene	51.0100	5.0	0.67	50.0000		102	82 - 134	3.47	20	
sec-Butylbenzene	46.2400	5.0	0.63	50.0000		92.5	81 - 138	3.70	20	
Styrene	47.9400	5.0	0.45	50.0000		95.9	79 - 152	1.31	20	
tert-Amyl methyl ether	48.5600	5.0	1.1	50.0000		97.1	48 - 166	2.80	20	
tert-Butanol	180.400	100	11	250.000		72.2	48 - 148	0.321	20	
tert-Butylbenzene	45.9000	5.0	0.80	50.0000		91.8	81 - 135	2.11	20	
Tetrachloroethene	49.1000	5.0	0.31	50.0000		98.2	75 - 127	3.60	20	
Toluene	51.4400	5.0	0.27	50.0000		103	88 - 130	2.70	20	
trans-1,2-Dichloroethene	70.2800	5.0	0.56	50.0000		141	79 - 127	0.399	20	L5
trans-1,3-Dichloropropene	47.3900	5.0	0.59	50.0000		94.8	80 - 130	3.10	20	
Trichloroethene	53.2000	5.0	0.32	50.0000		106	83 - 126	4.52	20	
Trichlorofluoromethane	70.5000	5.0	1.0	50.0000		141	62 - 143	2.95	20	
Vinyl acetate	26.1600	50	6.0	500.000		5.23	69 - 150	34.0	20	MO, R
Vinyl chloride	59.7600	5.0	0.92	50.0000		120	69 - 140	2.38	20	
Surrogate: 1,2-Dichloroethane-d4	*59.51*			*50.0000*		*119*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.15*			*50.0000*		*100*	*50 - 146*			
Surrogate: Dibromofluoromethane	*55.45*			*50.0000*		*111*	*77 - 159*			
Surrogate: Toluene-d8	*48.91*			*50.0000*		*97.8*	*81 - 128*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
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Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0938 - MSSEMI_NAL										
Blank (B2C0938-BLK1)							Prepared: 3/3/2022 Analyzed: 3/4/2022			
1,2,4-Trichlorobenzene	ND	330	50							
1,2-Dichlorobenzene	ND	330	26							
1,3-Dichlorobenzene	ND	330	27							
1,4-Dichlorobenzene	ND	330	27							
2,4,5-Trichlorophenol	ND	330	30							
2,4,6-Trichlorophenol	ND	330	35							
2,4-Dichlorophenol	ND	1600	34							
2,4-Dimethylphenol	ND	330	26							
2,4-Dinitrophenol	ND	1600	86							
2,4-Dinitrotoluene	ND	330	33							
2,6-Dinitrotoluene	ND	330	49							
2-Chloronaphthalene	ND	330	28							
2-Chlorophenol	ND	330	31							
2-Methylnaphthalene	ND	330	27							
2-Methylphenol	ND	330	36							
2-Nitroaniline	ND	1600	43							
2-Nitrophenol	ND	330	45							
3,3´-Dichlorobenzidine	ND	660	280							
3-Nitroaniline	ND	1600	49							
4,6-Dinitro-2-methyphenol	ND	1600	41							
4-Bromophenyl-phenylether	ND	330	64							
4-Chloro-3-methylphenol	ND	660	71							
4-Chloroaniline	ND	660	53							
4-Chlorophenyl-phenylether	ND	330	33							
4-Methylphenol	ND	330	57							
4-Nitroaniline	ND	1600	37							
4-Nitrophenol	ND	330	64							
Acenaphthene	ND	330	43							
Acenaphthylene	ND	330	62							
Anthracene	ND	330	51							
Benzidine (M)	ND	1600	1400							
Benzo(a)anthracene	ND	330	44							
Benzo(a)pyrene	ND	330	64							
Benzo(b)fluoranthene	ND	330	65							
Benzo(g,h,i)perylene	ND	330	81							
Benzo(k)fluoranthene	ND	330	33							
Benzoic acid	ND	1600	890							
Benzyl alcohol	ND	660	32							
bis(2-chloroethoxy)methane	ND	330	64							
bis(2-Chloroethyl)ether	ND	330	66							
bis(2-chloroisopropyl)ether	ND	330	76							
bis(2-ethylhexyl)phthalate	ND	330	63							
Butylbenzylphthalate	ND	330	41							
Chrysene	ND	330	84							
Di-n-butylphthalate	ND	330	51							

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0938 - MSSEMI_NAL (continued)										
Blank (B2C0938-BLK1) - Continued						Prepared: 3/3/2022 Analyzed: 3/4/2022				
Di-n-octylphthalate	ND	330	63							
Dibenz(a,h)anthracene	ND	330	45							
Dibenzofuran	ND	330	58							
Diethyl phthalate	ND	330	58							
Dimethyl phthalate	ND	330	40							
Fluoranthene	ND	330	60							
Fluorene	ND	330	110							
Hexachlorobenzene	ND	330	55							
Hexachlorobutadiene	ND	660	53							
Hexachlorocyclopentadiene	ND	660	70							
Hexachloroethane	ND	330	94							
Indeno(1,2,3-cd)pyrene	ND	330	75							
Isophorone	ND	330	85							
N-Nitroso-di-n propylamine	ND	330	60							
N-Nitrosodiphenylamine	ND	330	32							
Naphthalene	ND	330	56							
Nitrobenzene	ND	330	57							
Pentachlorophenol	ND	1600	50							
Phenanthrene	ND	330	67							
Phenol	ND	330	34							
Pyrene	ND	330	72							
Pyridine	ND	1600	270							
Surrogate: 1,2-Dichlorobenzene-d4	*4549*			*6666.67*		*68.2*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*6499*			*10000.0*		*65.0*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*7079*			*10000.0*		*70.8*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*5226*			*6666.67*		*78.4*	*34 - 106*			
Surrogate: 2-Fluorophenol	*6615*			*10000.0*		*66.1*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*7197*			*6666.67*		*108*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*4075*			*6666.67*		*61.1*	*23 - 102*			
Surrogate: Phenol-d6	*6549*			*10000.0*		*65.5*	*14 - 104*			
LCS (B2C0938-BS1)						Prepared: 3/3/2022 Analyzed: 3/4/2022				
1,2,4-Trichlorobenzene	6030.00	330	50	6666.67		90.4	41 - 104			
1,2-Dichlorobenzene	5268.67	330	26	6666.67		79.0	37 - 100			
1,3-Dichlorobenzene	5263.33	330	27	6666.67		78.9	36 - 98			
1,4-Dichlorobenzene	5389.33	330	27	6666.67		80.8	37 - 97			
2,4,5-Trichlorophenol	7827.33	330	30	6666.67		117	47 - 115			L3
2,4,6-Trichlorophenol	7850.67	330	35	6666.67		118	48 - 119			
2,4-Dichlorophenol	6017.33	1600	34	6666.67		90.3	46 - 118			
2,4-Dimethylphenol	6562.67	330	26	6666.67		98.4	41 - 114			
2,4-Dinitrophenol	5014.00	1600	86	6666.67		75.2	0 - 180			
2,4-Dinitrotoluene	7231.33	330	33	6666.67		108	40 - 138			
2,6-Dinitrotoluene	6969.33	330	49	6666.67		105	45 - 131			
2-Chloronaphthalene	6388.00	330	28	6666.67		95.8	46 - 112			
2-Chlorophenol	5808.00	330	31	6666.67		87.1	41 - 99			

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Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/16/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0938 - MSSEMI_NAL (continued)										
LCS (B2C0938-BS1) - Continued						Prepared: 3/3/2022 Analyzed: 3/4/2022				
2-Methylnaphthalene	6400.67	330	27	6666.67		96.0	45 - 111			
2-Methylphenol	6044.67	330	36	6666.67		90.7	40 - 92			
2-Nitroaniline	6000.67	1600	43	6666.67		90.0	44 - 130			
2-Nitrophenol	6183.33	330	45	6666.67		92.7	34 - 114			
3,3´-Dichlorobenzidine	5475.33	660	280	6666.67		82.1	41 - 128			
3-Nitroaniline	7074.67	1600	49	6666.67		106	47 - 123			
4,6-Dinitro-2-methyphenol	7573.33	1600	41	6666.67		114	2 - 172			
4-Bromophenyl-phenylether	7145.33	330	64	6666.67		107	49 - 116			
4-Chloro-3-methylphenol	6870.67	660	71	6666.67		103	45 - 127			
4-Chloroaniline	7014.67	660	53	6666.67		105	50 - 106			
4-Chlorophenyl-phenylether	7248.67	330	33	6666.67		109	49 - 115			
4-Methylphenol	3231.33	330	57	3333.33		96.9	43 - 109			
4-Nitroaniline	7396.00	1600	37	6666.67		111	44 - 125			
4-Nitrophenol	5932.67	330	64	6666.67		89.0	30 - 146			
Acenaphthene	6566.67	330	43	6666.67		98.5	44 - 110			
Acenaphthylene	6587.33	330	62	6666.67		98.8	42 - 111			
Anthracene	7249.33	330	51	6666.67		109	41 - 117			
Benzidine (M)	3572.67	1600	1400	6666.67		53.6	0 - 189			
Benzo(a)anthracene	7460.00	330	44	6666.67		112	45 - 110			L3
Benzo(a)pyrene	7702.67	330	64	6666.67		116	45 - 116			
Benzo(b)fluoranthene	7319.33	330	65	6666.67		110	43 - 112			
Benzo(g,h,i)perylene	7044.00	330	81	6666.67		106	43 - 113			
Benzo(k)fluoranthene	7168.67	330	33	6666.67		108	42 - 114			
Benzoic acid	2788.00	1600	890	6666.67		41.8	0 - 134			
Benzyl alcohol	6033.33	660	32	6666.67		90.5	39 - 117			
bis(2-chloroethoxy)methane	5617.33	330	64	6666.67		84.3	43 - 102			
bis(2-Chloroethyl)ether	4991.33	330	66	6666.67		74.9	38 - 99			
bis(2-chloroisopropyl)ether	4909.33	330	76	6666.67		73.6	30 - 104			
bis(2-ethylhexyl)phthalate	6032.67	330	63	6666.67		90.5	49 - 123			
Butylbenzylphthalate	6200.67	330	41	6666.67		93.0	49 - 122			
Chrysene	7452.00	330	84	6666.67		112	46 - 111			L3
Di-n-butylphthalate	7315.33	330	51	6666.67		110	48 - 118			
Di-n-octylphthalate	7054.67	330	63	6666.67		106	46 - 131			
Dibenz(a,h)anthracene	7171.33	330	45	6666.67		108	43 - 113			
Dibenzofuran	6784.67	330	58	6666.67		102	50 - 113			
Diethyl phthalate	6768.00	330	58	6666.67		102	50 - 115			
Dimethyl phthalate	6978.00	330	40	6666.67		105	48 - 112			
Fluoranthene	7731.33	330	60	6666.67		116	40 - 119			
Fluorene	6661.33	330	110	6666.67		99.9	41 - 117			
Hexachlorobenzene	6109.33	330	55	6666.67		91.6	46 - 123			
Hexachlorobutadiene	6362.67	660	53	6666.67		95.4	37 - 104			
Hexachlorocyclopentadiene	6016.00	660	70	6666.67		90.2	30 - 128			
Hexachloroethane	4955.33	330	94	6666.67		74.3	38 - 103			
Indeno(1,2,3-cd)pyrene	7403.33	330	75	6666.67		111	43 - 113			
Isophorone	6033.33	330	85	6666.67		90.5	43 - 109			

Certificate of Analysis

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0938 - MSSEMI_NAL (continued)										
LCS (B2C0938-BS1) - Continued						Prepared: 3/3/2022 Analyzed: 3/4/2022				
N-Nitroso-di-n propylamine	5650.00	330	60	6666.67		84.8	44 - 111			
N-Nitrosodiphenylamine	7426.00	330	32	6666.67		111	48 - 113			
Naphthalene	6156.67	330	56	6666.67		92.4	38 - 103			
Nitrobenzene	5451.33	330	57	6666.67		81.8	40 - 111			
Pentachlorophenol	6911.33	1600	50	6666.67		104	33 - 130			
Phenanthrene	7094.00	330	67	6666.67		106	42 - 119			
Phenol	5539.33	330	34	6666.67		83.1	43 - 104			
Pyrene	7925.33	330	72	6666.67		119	38 - 120			
Pyridine	3110.67	1600	270	6666.67		46.7	0 - 72			
Surrogate: 1,2-Dichlorobenzene-d4	*5436*			*6666.67*		*81.5*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*8881*			*10000.0*		*88.8*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*8549*			*10000.0*		*85.5*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*6494*			*6666.67*		*97.4*	*34 - 106*			
Surrogate: 2-Fluorophenol	*8048*			*10000.0*		*80.5*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*7496*			*6666.67*		*112*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*5474*			*6666.67*		*82.1*	*23 - 102*			
Surrogate: Phenol-d6	*8360*			*10000.0*		*83.6*	*14 - 104*			
Matrix Spike (B2C0938-MS1)			**Source: 2200241-03**			Prepared: 3/3/2022 Analyzed: 3/4/2022				
1,2,4-Trichlorobenzene	4868.67	330	50	6666.67	ND	73.0	35 - 113			
1,2-Dichlorobenzene	4329.33	330	26	6666.67	ND	64.9	32 - 102			
1,3-Dichlorobenzene	4404.67	330	27	6666.67	ND	66.1	32 - 100			
1,4-Dichlorobenzene	4408.67	330	27	6666.67	ND	66.1	33 - 97			
2,4,5-Trichlorophenol	5843.33	330	30	6666.67	ND	87.6	36 - 124			
2,4,6-Trichlorophenol	5364.00	330	35	6666.67	ND	80.5	37 - 130			
2,4-Dichlorophenol	4946.00	1600	34	6666.67	ND	74.2	32 - 130			
2,4-Dimethylphenol	4974.67	330	26	6666.67	ND	74.6	30 - 128			
2,4-Dinitrophenol	1692.67	1600	86	6666.67	ND	25.4	0 - 203			
2,4-Dinitrotoluene	5813.33	330	33	6666.67	ND	87.2	21 - 168			
2,6-Dinitrotoluene	5816.00	330	49	6666.67	ND	87.2	31 - 152			
2-Chloronaphthalene	5288.67	330	28	6666.67	ND	79.3	33 - 130			
2-Chlorophenol	4960.67	330	31	6666.67	ND	74.4	32 - 106			
2-Methylnaphthalene	5022.00	330	27	6666.67	ND	75.3	33 - 125			
2-Methylphenol	5114.00	330	36	6666.67	ND	76.7	34 - 96			
2-Nitroaniline	5062.00	1600	43	6666.67	ND	75.9	30 - 146			
2-Nitrophenol	4566.67	330	45	6666.67	ND	68.5	22 - 125			
3,3´-Dichlorobenzidine	5010.67	660	280	6666.67	ND	75.2	19 - 144			
3-Nitroaniline	5982.00	1600	49	6666.67	ND	89.7	36 - 133			
4,6-Dinitro-2-methyphenol	2630.00	1600	41	6666.67	ND	39.4	0 - 196			
4-Bromophenyl-phenylether	5832.00	330	64	6666.67	ND	87.5	41 - 121			
4-Chloro-3-methylphenol	5485.33	660	71	6666.67	ND	82.3	39 - 134			
4-Chloroaniline	5688.67	660	53	6666.67	ND	85.3	37 - 115			
4-Chlorophenyl-phenylether	6010.00	330	33	6666.67	ND	90.2	34 - 133			
4-Methylphenol	2758.00	330	57	3333.33	ND	82.7	34 - 121			
4-Nitroaniline	6012.67	1600	37	6666.67	ND	90.2	30 - 138			

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0938 - MSSEMI_NAL (continued)										
Matrix Spike (B2C0938-MS1) - Continued		**Source: 2200241-03**				Prepared: 3/3/2022 Analyzed: 3/4/2022				
4-Nitrophenol	3676.00	330	64	6666.67	ND	55.1	5 - 154			
Acenaphthene	5608.67	330	43	6666.67	ND	84.1	33 - 121			
Acenaphthylene	5472.67	330	62	6666.67	ND	82.1	35 - 120			
Anthracene	6147.33	330	51	6666.67	ND	92.2	28 - 133			
Benzidine (M)	2316.67	1600	1400	6666.67	ND	34.8	8 - 175			
Benzo(a)anthracene	6484.67	330	44	6666.67	ND	97.3	32 - 127			
Benzo(a)pyrene	6330.67	330	64	6666.67	ND	95.0	35 - 127			
Benzo(b)fluoranthene	6130.00	330	65	6666.67	ND	92.0	29 - 126			
Benzo(g,h,i)perylene	5681.33	330	81	6666.67	ND	85.2	26 - 129			
Benzo(k)fluoranthene	6071.33	330	33	6666.67	ND	91.1	36 - 120			
Benzoic acid	2932.67	1600	890	6666.67	ND	44.0	0 - 208			
Benzyl alcohol	5464.67	660	32	6666.67	ND	82.0	32 - 120			
bis(2-chloroethoxy)methane	4759.33	330	64	6666.67	ND	71.4	34 - 108			
bis(2-Chloroethyl)ether	4222.67	330	66	6666.67	ND	63.3	34 - 100			
bis(2-chloroisopropyl)ether	4127.33	330	76	6666.67	ND	61.9	21 - 111			
bis(2-ethylhexyl)phthalate	5403.33	330	63	6666.67	ND	81.1	39 - 131			
Butylbenzylphthalate	4868.00	330	41	6666.67	ND	73.0	39 - 129			
Chrysene	6187.33	330	84	6666.67	ND	92.8	33 - 126			
Di-n-butylphthalate	6094.67	330	51	6666.67	ND	91.4	42 - 122			
Di-n-octylphthalate	5945.33	330	63	6666.67	ND	89.2	30 - 147			
Dibenz(a,h)anthracene	5970.00	330	45	6666.67	ND	89.6	30 - 126			
Dibenzofuran	5475.33	330	58	6666.67	ND	82.1	36 - 133			
Diethyl phthalate	5484.67	330	58	6666.67	ND	82.3	28 - 139			
Dimethyl phthalate	5618.67	330	40	6666.67	ND	84.3	32 - 129			
Fluoranthene	6380.00	330	60	6666.67	ND	95.7	23 - 140			
Fluorene	5515.33	330	110	6666.67	ND	82.7	32 - 130			
Hexachlorobenzene	4973.33	330	55	6666.67	ND	74.6	27 - 148			
Hexachlorobutadiene	5094.00	660	53	6666.67	ND	76.4	29 - 112			
Hexachlorocyclopentadiene	4925.33	660	70	6666.67	ND	73.9	13 - 147			
Hexachloroethane	4405.33	330	94	6666.67	ND	66.1	31 - 104			
Indeno(1,2,3-cd)pyrene	5899.33	330	75	6666.67	ND	88.5	21 - 137			
Isophorone	4921.33	330	85	6666.67	ND	73.8	34 - 112			
N-Nitroso-di-n propylamine	4967.33	330	60	6666.67	ND	74.5	36 - 115			
N-Nitrosodiphenylamine	6112.67	330	32	6666.67	ND	91.7	40 - 120			
Naphthalene	4882.67	330	56	6666.67	ND	73.2	33 - 108			
Nitrobenzene	4224.67	330	57	6666.67	ND	63.4	32 - 122			
Pentachlorophenol	2334.00	1600	50	6666.67	ND	35.0	0 - 151			
Phenanthrene	6106.00	330	67	6666.67	ND	91.6	40 - 122			
Phenol	4644.67	330	34	6666.67	ND	69.7	35 - 112			
Pyrene	6469.33	330	72	6666.67	ND	97.0	28 - 132			
Pyridine	3512.00	1600	270	6666.67	ND	52.7	5 - 107			
Surrogate: 1,2-Dichlorobenzene-d4	*5043*			*6666.67*		*75.6*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*7372*			*10000.0*		*73.7*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*8155*			*10000.0*		*81.5*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*6025*			*6666.67*		*90.4*	*34 - 106*			

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0938 - MSSEMI_NAL (continued)									
Matrix Spike (B2C0938-MS1) - Continued			**Source: 2200241-03**			Prepared: 3/3/2022 Analyzed: 3/4/2022			
Surrogate: 2-Fluorophenol	*6903*		*10000.0*		*69.0*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*6836*		*6666.67*		*103*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*4784*		*6666.67*		*71.8*	*23 - 102*			
Surrogate: Phenol-d6	*7863*		*10000.0*		*78.6*	*14 - 104*			
Matrix Spike Dup (B2C0938-MSD1)			**Source: 2200241-03**			Prepared: 3/3/2022 Analyzed: 3/4/2022			
1,2,4-Trichlorobenzene	5522.67	330	50	6666.67	ND	82.8	35 - 113	12.6	20
1,2-Dichlorobenzene	4398.67	330	26	6666.67	ND	66.0	32 - 102	1.59	20
1,3-Dichlorobenzene	4428.67	330	27	6666.67	ND	66.4	32 - 100	0.543	20
1,4-Dichlorobenzene	4506.00	330	27	6666.67	ND	67.6	33 - 97	2.18	20
2,4,5-Trichlorophenol	5991.33	330	30	6666.67	ND	89.9	36 - 124	2.50	20
2,4,6-Trichlorophenol	5626.00	330	35	6666.67	ND	84.4	37 - 130	4.77	20
2,4-Dichlorophenol	5954.00	1600	34	6666.67	ND	89.3	32 - 130	18.5	20
2,4-Dimethylphenol	5740.67	330	26	6666.67	ND	86.1	30 - 128	14.3	20
2,4-Dinitrophenol	1641.33	1600	86	6666.67	ND	24.6	0 - 203	3.08	20
2,4-Dinitrotoluene	5581.33	330	33	6666.67	ND	83.7	21 - 168	4.07	20
2,6-Dinitrotoluene	5721.33	330	49	6666.67	ND	85.8	31 - 152	1.64	20
2-Chloronaphthalene	5356.00	330	28	6666.67	ND	80.3	33 - 130	1.27	20
2-Chlorophenol	5019.33	330	31	6666.67	ND	75.3	32 - 106	1.18	20
2-Methylnaphthalene	5927.33	330	27	6666.67	ND	88.9	33 - 125	16.5	20
2-Methylphenol	4905.33	330	36	6666.67	ND	73.6	34 - 96	4.17	20
2-Nitroaniline	4915.33	1600	43	6666.67	ND	73.7	30 - 146	2.94	20
2-Nitrophenol	5340.67	330	45	6666.67	ND	80.1	22 - 125	15.6	20
3,3´-Dichlorobenzidine	4668.00	660	280	6666.67	ND	70.0	19 - 144	7.08	20
3-Nitroaniline	5553.33	1600	49	6666.67	ND	83.3	36 - 133	7.43	20
4,6-Dinitro-2-methyphenol	2493.33	1600	41	6666.67	ND	37.4	0 - 196	5.34	20
4-Bromophenyl-phenylether	5948.67	330	64	6666.67	ND	89.2	41 - 121	1.98	20
4-Chloro-3-methylphenol	6100.00	660	71	6666.67	ND	91.5	39 - 134	10.6	20
4-Chloroaniline	6407.33	660	53	6666.67	ND	96.1	37 - 115	11.9	20
4-Chlorophenyl-phenylether	5844.67	330	33	6666.67	ND	87.7	34 - 133	2.79	20
4-Methylphenol	2769.33	330	57	3333.33	ND	83.1	34 - 121	0.410	20
4-Nitroaniline	6144.67	1600	37	6666.67	ND	92.2	30 - 138	2.17	20
4-Nitrophenol	3649.33	330	64	6666.67	ND	54.7	5 - 154	0.728	20
Acenaphthene	5444.67	330	43	6666.67	ND	81.7	33 - 121	2.97	20
Acenaphthylene	5448.00	330	62	6666.67	ND	81.7	35 - 120	0.452	20
Anthracene	6124.00	330	51	6666.67	ND	91.9	28 - 133	0.380	20
Benzidine (M)	2436.00	1600	1400	6666.67	ND	36.5	8 - 175	5.02	20
Benzo(a)anthracene	6381.33	330	44	6666.67	ND	95.7	32 - 127	1.61	20
Benzo(a)pyrene	6174.67	330	64	6666.67	ND	92.6	35 - 127	2.49	20
Benzo(b)fluoranthene	5984.00	330	65	6666.67	ND	89.8	29 - 126	2.41	20
Benzo(g,h,i)perylene	5532.67	330	81	6666.67	ND	83.0	26 - 129	2.65	20
Benzo(k)fluoranthene	5759.33	330	33	6666.67	ND	86.4	36 - 120	5.27	20
Benzoic acid	2960.00	1600	890	6666.67	ND	44.4	0 - 208	0.928	20
Benzyl alcohol	5287.33	660	32	6666.67	ND	79.3	32 - 120	3.30	20
bis(2-chloroethoxy)methane	5505.33	330	64	6666.67	ND	82.6	34 - 108	14.5	20

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0938 - MSSEMI_NAL (continued)										
Matrix Spike Dup (B2C0938-MSD1) - Continued			**Source: 2200241-03**			Prepared: 3/3/2022 Analyzed: 3/4/2022				
bis(2-Chloroethyl)ether	4348.67	330	66	6666.67	ND	65.2	34 - 100	2.94	20	
bis(2-chloroisopropyl)ether	4048.67	330	76	6666.67	ND	60.7	21 - 111	1.92	20	
bis(2-ethylhexyl)phthalate	5498.00	330	63	6666.67	ND	82.5	39 - 131	1.74	20	
Butylbenzylphthalate	5428.00	330	41	6666.67	ND	81.4	39 - 129	10.9	20	
Chrysene	6142.67	330	84	6666.67	ND	92.1	33 - 126	0.725	20	
Di-n-butylphthalate	6068.00	330	51	6666.67	ND	91.0	42 - 122	0.439	20	
Di-n-octylphthalate	5817.33	330	63	6666.67	ND	87.3	30 - 147	2.18	20	
Dibenz(a,h)anthracene	5824.00	330	45	6666.67	ND	87.4	30 - 126	2.48	20	
Dibenzofuran	5197.33	330	58	6666.67	ND	78.0	36 - 133	5.21	20	
Diethyl phthalate	5246.67	330	58	6666.67	ND	78.7	28 - 139	4.44	20	
Dimethyl phthalate	5542.00	330	40	6666.67	ND	83.1	32 - 129	1.37	20	
Fluoranthene	6244.00	330	60	6666.67	ND	93.7	23 - 140	2.15	20	
Fluorene	5427.33	330	110	6666.67	ND	81.4	32 - 130	1.61	20	
Hexachlorobenzene	5053.33	330	55	6666.67	ND	75.8	27 - 148	1.60	20	
Hexachlorobutadiene	5708.00	660	53	6666.67	ND	85.6	29 - 112	11.4	20	
Hexachlorocyclopentadiene	4851.33	660	70	6666.67	ND	72.8	13 - 147	1.51	20	
Hexachloroethane	4280.00	330	94	6666.67	ND	64.2	31 - 104	2.89	20	
Indeno(1,2,3-cd)pyrene	5848.00	330	75	6666.67	ND	87.7	21 - 137	0.874	20	
Isophorone	5858.00	330	85	6666.67	ND	87.9	34 - 112	17.4	20	
N-Nitroso-di-n propylamine	4746.67	330	60	6666.67	ND	71.2	36 - 115	4.54	20	
N-Nitrosodiphenylamine	6181.33	330	32	6666.67	ND	92.7	40 - 120	1.12	20	
Naphthalene	5436.00	330	56	6666.67	ND	81.5	33 - 108	10.7	20	
Nitrobenzene	4926.00	330	57	6666.67	ND	73.9	32 - 122	15.3	20	
Pentachlorophenol	2031.33	1600	50	6666.67	ND	30.5	0 - 151	13.9	20	
Phenanthrene	5905.33	330	67	6666.67	ND	88.6	40 - 122	3.34	20	
Phenol	4470.67	330	34	6666.67	ND	67.1	35 - 112	3.82	20	
Pyrene	6438.00	330	72	6666.67	ND	96.6	28 - 132	0.486	20	
Pyridine	4036.67	1600	270	6666.67	ND	60.6	5 - 107	13.9	20	
Surrogate: 1,2-Dichlorobenzene-d4	*4579*			*6666.67*		*68.7*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*6774*			*10000.0*		*67.7*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*7363*			*10000.0*		*73.6*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*5366*			*6666.67*		*80.5*	*34 - 106*			
Surrogate: 2-Fluorophenol	*6443*			*10000.0*		*64.4*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*6243*			*6666.67*		*93.6*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*5280*			*6666.67*		*79.2*	*23 - 102*			
Surrogate: Phenol-d6	*6881*			*10000.0*		*68.8*	*14 - 104*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/2/22

Page 1 of 1

2200285

2.6°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) JCV
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	62-2-2-1	3/2/22	0805	Soil	1	1			X									
2	62-2-2-6		0820		5	1	4			X	X	X	X					
3	62-2-4-1		0843		1	1			X									
4	62-2-4-6		0855		5	1	4			X	X	X	X					
5	68-12-2-1		1023		1	1			X									
6	68-12-2-6		1040		5	1	4			X	X	X						
7	68-12-1-1		1125		1	1			X									
8	68-12-1-6		1140		5	1	4			X	X	X						
9	68-2-1-1		1235		1	1			X									
10	68-2-1-5.5		1255		5	1	4			X	X	X						
11	68-2-2-1		1330		1	1			X									
12	68-2-2-5.5		1350		5	1	4			X	X	X						
13	TB-20220302		1410	Water	4		4											X

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/2/22	Time: 1520
Relinquished by: (Signature)	Received by: (Signature) Ethan Tran	Date: 3/2/22	Time: 17:32
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

May 12, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200288
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 03, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 05/12/22 15:23 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-12-1	2200288-01	Soil	3/03/22 7:55	3/03/22 16:57
SV-12-5.5	2200288-02	Soil	3/03/22 8:05	3/03/22 16:57
SV-12-15	2200288-03	Soil	3/03/22 8:20	3/03/22 16:57
SV-11-1	2200288-04	Soil	3/03/22 9:00	3/03/22 16:57
SV-11-5.5	2200288-05	Soil	3/03/22 9:10	3/03/22 16:57
SV-11-16.5	2200288-06	Soil	3/03/22 9:30	3/03/22 16:57
SV-13-1	2200288-07	Soil	3/03/22 10:55	3/03/22 16:57
SV-13-5.5	2200288-08	Soil	3/03/22 11:10	3/03/22 16:57
SV-13-15	2200288-09	Soil	3/03/22 11:15	3/03/22 16:57
68-2-3-1	2200288-10	Soil	3/03/22 12:35	3/03/22 16:57
68-2-3-5.5	2200288-11	Soil	3/03/22 12:50	3/03/22 16:57
68-20-1-1	2200288-12	Soil	3/03/22 14:10	3/03/22 16:57
68-20-1-5.5	2200288-13	Soil	3/03/22 14:20	3/03/22 16:57
TB-20220303	2200288-14	Water	3/03/22 14:40	3/03/22 16:57

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-12-1

Lab ID: 2200288-01

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Barium	**76**	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Beryllium	**2.2**	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Chromium	**12**	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Cobalt	**4.7**	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Copper	**10**	2.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Lead	**3.7**	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Nickel	**4.3**	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Silver	**4.5**	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Vanadium	**28**	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Zinc	**32**	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	

Organochlorine Pesticides by EPA 8081A — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
4,4´-DDE	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
4,4´-DDT	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Aldrin	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
alpha-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
alpha-Chlordane	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
beta-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Chlordane	ND	8.5	1	B2C0972	03/04/2022	03/04/22 18:31	
delta-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Dieldrin	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Endosulfan I	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Endosulfan II	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Endosulfan sulfate	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Endrin	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Endrin aldehyde	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Endrin ketone	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
gamma-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
gamma-Chlordane	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-12-1

Lab ID: 2200288-01

Organochlorine Pesticides by EPA 8081A **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Heptachlor		ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Heptachlor epoxide		ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Methoxychlor		ND	5.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Toxaphene		ND	50	1	B2C0972	03/04/2022	03/04/22 18:31	
Surrogate: Decachlorobiphenyl	*58.5 %*		*0 - 97*		B2C0972	03/04/2022	*03/04/22 18:31*	
Surrogate: Tetrachloro-m-xylene	*50.6 %*		*3 - 78*		B2C0972	03/04/2022	*03/04/22 18:31*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-12-5.5
Lab ID: 2200288-02

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/04/22 22:32	
C23-C32	**10**	10	1	B2C0961	03/04/2022	03/04/22 22:32	
Surrogate: p-Terphenyl	*108 %*	*62 - 141*		B2C0961	03/04/2022	*03/04/22 22:32*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,1,1-Trichloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,1,2-Trichloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,1-Dichloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,1-Dichloroethene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,1-Dichloropropene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2,3-Trichloropropane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2,3-Trichlorobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2,4-Trichlorobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2,4-Trimethylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2-Dibromoethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2-Dichlorobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2-Dichloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2-Dichloropropane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,3,5-Trimethylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,3-Dichlorobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,3-Dichloropropane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,4-Dichlorobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
2,2-Dichloropropane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
2-Chlorotoluene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
4-Chlorotoluene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
4-Isopropyltoluene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Benzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Bromobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Bromochloromethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Bromodichloromethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Bromoform	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Bromomethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Carbon disulfide	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-12-5.5

Lab ID: 2200288-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Chlorobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Chloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Chloroform	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Chloromethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
cis-1,2-Dichloroethene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
cis-1,3-Dichloropropene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Di-isopropyl ether	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Dibromochloromethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Dibromomethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Dichlorodifluoromethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Ethyl Acetate	ND	50	1	B2C1029	03/09/2022	03/09/22 20:19	
Ethyl Ether	ND	50	1	B2C1029	03/09/2022	03/09/22 20:19	
Ethyl tert-butyl ether	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Ethylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Freon-113	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Hexachlorobutadiene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Isopropylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
m,p-Xylene	ND	10	1	B2C1029	03/09/2022	03/09/22 20:19	
Methylene chloride	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
MTBE	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
n-Butylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
n-Propylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Naphthalene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
o-Xylene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
sec-Butylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Styrene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
tert-Amyl methyl ether	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
tert-Butanol	ND	100	1	B2C1029	03/09/2022	03/09/22 20:19	
tert-Butylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Tetrachloroethene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Toluene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
trans-1,2-Dichloroethene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
trans-1,3-Dichloropropene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Trichloroethene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Trichlorofluoromethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Vinyl acetate	ND	50	1	B2C1029	03/09/2022	03/09/22 20:19	
Vinyl chloride	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Surrogate: 1,2-Dichloroethane-d4	*152 %*	*66 - 200*		B2C1029	03/09/2022	*03/09/22 20:19*	
Surrogate: 4-Bromofluorobenzene	*93.6 %*	*50 - 146*		B2C1029	03/09/2022	*03/09/22 20:19*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-12-5.5

Lab ID: 2200288-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*129 %*		*77 - 159*		B2C1029	03/09/2022	*03/09/22 20:19*	
Surrogate: Toluene-d8	*97.2 %*		*81 - 128*		B2C1029	03/09/2022	*03/09/22 20:19*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: EB**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.87	1	B2C1053	03/10/2022	03/10/22 13:10	
Surrogate: 4-Bromofluorobenzene	*90.9 %*		*47.6 - 121.18*		B2C1053	03/10/2022	*03/10/22 13:10*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-12-15
Lab ID: 2200288-03

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/04/22 22:51	
C23-C32	**11**	10	1	B2C0961	03/04/2022	03/04/22 22:51	
Surrogate: p-Terphenyl	*103 %*	*62 - 141*		B2C0961	03/04/2022	*03/04/22 22:51*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,1,1-Trichloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,1,2,2-Tetrachloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,1,2-Trichloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,1-Dichloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,1-Dichloroethene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,1-Dichloropropene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2,3-Trichloropropane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2,3-Trichlorobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2,4-Trichlorobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2,4-Trimethylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2-Dibromo-3-chloropropane	ND	9.7	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2-Dibromoethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2-Dichlorobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2-Dichloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2-Dichloropropane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,3,5-Trimethylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,3-Dichlorobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,3-Dichloropropane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,4-Dichlorobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
2,2-Dichloropropane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
2-Chlorotoluene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
4-Chlorotoluene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
4-Isopropyltoluene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Benzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Bromobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Bromochloromethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Bromodichloromethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Bromoform	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Bromomethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Carbon disulfide	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-12-15

Lab ID: 2200288-03

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Chlorobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Chloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Chloroform	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Chloromethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
cis-1,2-Dichloroethene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
cis-1,3-Dichloropropene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Di-isopropyl ether	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Dibromochloromethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Dibromomethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Dichlorodifluoromethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Ethyl Acetate	ND	48	1	B2C1029	03/09/2022	03/09/22 20:44	
Ethyl Ether	ND	48	1	B2C1029	03/09/2022	03/09/22 20:44	
Ethyl tert-butyl ether	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Ethylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Freon-113	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Hexachlorobutadiene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Isopropylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
m,p-Xylene	ND	9.7	1	B2C1029	03/09/2022	03/09/22 20:44	
Methylene chloride	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
MTBE	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
n-Butylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
n-Propylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Naphthalene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
o-Xylene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
sec-Butylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Styrene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
tert-Amyl methyl ether	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
tert-Butanol	ND	97	1	B2C1029	03/09/2022	03/09/22 20:44	
tert-Butylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Tetrachloroethene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Toluene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
trans-1,2-Dichloroethene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
trans-1,3-Dichloropropene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Trichloroethene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Trichlorofluoromethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Vinyl acetate	ND	48	1	B2C1029	03/09/2022	03/09/22 20:44	
Vinyl chloride	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Surrogate: 1,2-Dichloroethane-d4	*141 %*	*66 - 200*		B2C1029	03/09/2022	*03/09/22 20:44*	
Surrogate: 4-Bromofluorobenzene	*90.9 %*	*50 - 146*		B2C1029	03/09/2022	*03/09/22 20:44*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-12-15
Lab ID: 2200288-03

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*120 %*	*77 - 159*		B2C1029	03/09/2022	*03/09/22 20:44*	
Surrogate: Toluene-d8	*95.7 %*	*81 - 128*		B2C1029	03/09/2022	*03/09/22 20:44*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1053	03/10/2022	03/10/22 13:35	
Surrogate: 4-Bromofluorobenzene	*88.7 %*	*47.6 - 121.18*		B2C1053	03/10/2022	*03/10/22 13:35*	

Client Sample ID: SV-11-1
Lab ID: 2200288-04

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Arsenic	**1.6**	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Barium	**93**	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Beryllium	**2.5**	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Chromium	**15**	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Cobalt	**5.2**	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Copper	**13**	2.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Lead	**2.6**	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Nickel	**4.7**	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Silver	**5.1**	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Vanadium	**31**	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Zinc	**50**	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-11-5.5
Lab ID: 2200288-05

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/04/22 23:10	
C23-C32	**12**	10	1	B2C0961	03/04/2022	03/04/22 23:10	
Surrogate: p-Terphenyl	*132 %*	*62 - 141*		B2C0961	03/04/2022	*03/04/22 23:10*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,1,1-Trichloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,1,2-Trichloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,1-Dichloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,1-Dichloroethene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,1-Dichloropropene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2,3-Trichloropropane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2-Dibromoethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2-Dichlorobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2-Dichloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2-Dichloropropane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,3-Dichlorobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,3-Dichloropropane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,4-Dichlorobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
2,2-Dichloropropane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
2-Chlorotoluene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
4-Chlorotoluene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
4-Isopropyltoluene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Benzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Bromobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Bromochloromethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Bromodichloromethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Bromoform	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Bromomethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Carbon disulfide	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-11-5.5

Lab ID: 2200288-05

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Chlorobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Chloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Chloroform	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Chloromethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Di-isopropyl ether	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Dibromochloromethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Dibromomethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Dichlorodifluoromethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Ethyl Acetate	ND	42	1	B2C1029	03/09/2022	03/09/22 21:10	
Ethyl Ether	ND	42	1	B2C1029	03/09/2022	03/09/22 21:10	
Ethyl tert-butyl ether	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Ethylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Freon-113	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Hexachlorobutadiene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Isopropylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
m,p-Xylene	ND	8.4	1	B2C1029	03/09/2022	03/09/22 21:10	
Methylene chloride	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
MTBE	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
n-Butylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
n-Propylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Naphthalene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
o-Xylene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
sec-Butylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Styrene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
tert-Amyl methyl ether	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
tert-Butanol	ND	84	1	B2C1029	03/09/2022	03/09/22 21:10	
tert-Butylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Tetrachloroethene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Toluene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Trichloroethene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Trichlorofluoromethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Vinyl acetate	ND	42	1	B2C1029	03/09/2022	03/09/22 21:10	
Vinyl chloride	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Surrogate: 1,2-Dichloroethane-d4	*137 %*	*66 - 200*		B2C1029	03/09/2022	*03/09/22 21:10*	
Surrogate: 4-Bromofluorobenzene	*86.9 %*	*50 - 146*		B2C1029	03/09/2022	*03/09/22 21:10*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-11-5.5

Lab ID: 2200288-05

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*119 %*	*77 - 159*		B2C1029	03/09/2022	*03/09/22 21:10*	
Surrogate: Toluene-d8	*93.4 %*	*81 - 128*		B2C1029	03/09/2022	*03/09/22 21:10*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C1053	03/10/2022	03/10/22 13:59	
Surrogate: 4-Bromofluorobenzene	*97.0 %*	*47.6 - 121.18*		B2C1053	03/10/2022	*03/10/22 13:59*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-11-16.5

Lab ID: 2200288-06

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/04/22 23:28	
C23-C32	**11**	10	1	B2C0961	03/04/2022	03/04/22 23:28	
Surrogate: p-Terphenyl	*110 %*	*62 - 141*		B2C0961	03/04/2022	*03/04/22 23:28*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,1,1-Trichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,1,2-Trichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,1-Dichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,1-Dichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,1-Dichloropropene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2,3-Trichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2-Dibromoethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2-Dichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2-Dichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2-Dichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,3-Dichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,3-Dichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,4-Dichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
2,2-Dichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
2-Chlorotoluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
4-Chlorotoluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
4-Isopropyltoluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Benzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Bromobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Bromochloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Bromodichloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Bromoform	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Bromomethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Carbon disulfide	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-11-16.5

Lab ID: 2200288-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Chlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Chloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Chloroform	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Chloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Di-isopropyl ether	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Dibromochloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Dibromomethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Dichlorodifluoromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Ethyl Acetate	ND	47	1	B2C1029	03/09/2022	03/09/22 21:36	
Ethyl Ether	ND	47	1	B2C1029	03/09/2022	03/09/22 21:36	
Ethyl tert-butyl ether	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Ethylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Freon-113	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Hexachlorobutadiene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Isopropylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
m,p-Xylene	ND	9.4	1	B2C1029	03/09/2022	03/09/22 21:36	
Methylene chloride	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
MTBE	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
n-Butylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
n-Propylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Naphthalene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
o-Xylene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
sec-Butylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Styrene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
tert-Amyl methyl ether	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
tert-Butanol	ND	94	1	B2C1029	03/09/2022	03/09/22 21:36	
tert-Butylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Tetrachloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Toluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Trichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Trichlorofluoromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Vinyl acetate	ND	47	1	B2C1029	03/09/2022	03/09/22 21:36	
Vinyl chloride	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Surrogate: 1,2-Dichloroethane-d4	*128 %*	*66 - 200*		B2C1029	03/09/2022	*03/09/22 21:36*	
Surrogate: 4-Bromofluorobenzene	*95.7 %*	*50 - 146*		B2C1029	03/09/2022	*03/09/22 21:36*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-11-16.5

Lab ID: 2200288-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*109 %*		*77 - 159*		B2C1029	03/09/2022	*03/09/22 21:36*	
Surrogate: Toluene-d8	*100 %*		*81 - 128*		B2C1029	03/09/2022	*03/09/22 21:36*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: EB**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.91	1	B2C1053	03/10/2022	03/10/22 14:24	
Surrogate: 4-Bromofluorobenzene	*91.8 %*		*47.6 - 121.18*		B2C1053	03/10/2022	*03/10/22 14:24*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-13-1

Lab ID: 2200288-07

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Barium	**87**	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Beryllium	**2.5**	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Chromium	**14**	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Cobalt	**5.2**	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Copper	**10**	2.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Lead	**2.7**	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Nickel	**4.1**	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Silver	**5.0**	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Vanadium	**30**	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Zinc	**31**	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	

Organochlorine Pesticides by EPA 8081A — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
4,4′-DDE	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
4,4′-DDT	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Aldrin	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
alpha-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
alpha-Chlordane	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
beta-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Chlordane	ND	8.5	1	B2C0972	03/04/2022	03/04/22 18:41	
delta-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Dieldrin	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Endosulfan I	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Endosulfan II	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Endosulfan sulfate	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Endrin	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Endrin aldehyde	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Endrin ketone	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
gamma-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
gamma-Chlordane	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-13-1

Lab ID: 2200288-07

Organochlorine Pesticides by EPA 8081A **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Heptachlor		ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Heptachlor epoxide		ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Methoxychlor		ND	5.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Toxaphene		ND	50	1	B2C0972	03/04/2022	03/04/22 18:41	
Surrogate: Decachlorobiphenyl	*62.1 %*		*0 - 97*		B2C0972	03/04/2022	*03/04/22 18:41*	
Surrogate: Tetrachloro-m-xylene	*52.5 %*		*3 - 78*		B2C0972	03/04/2022	*03/04/22 18:41*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-13-5.5
Lab ID: 2200288-08

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/04/22 23:47	
C23-C32	**11**	10	1	B2C0961	03/04/2022	03/04/22 23:47	
Surrogate: p-Terphenyl	*118 %*	*62 - 141*		B2C0961	03/04/2022	*03/04/22 23:47*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,1,1-Trichloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,1,2,2-Tetrachloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,1,2-Trichloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,1-Dichloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,1-Dichloroethene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,1-Dichloropropene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2,3-Trichloropropane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2,3-Trichlorobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2,4-Trichlorobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2,4-Trimethylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2-Dibromoethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2-Dichlorobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2-Dichloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2-Dichloropropane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,3,5-Trimethylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,3-Dichlorobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,3-Dichloropropane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,4-Dichlorobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
2,2-Dichloropropane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
2-Chlorotoluene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
4-Chlorotoluene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
4-Isopropyltoluene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Benzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Bromobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Bromochloromethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Bromodichloromethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Bromoform	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Bromomethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Carbon disulfide	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-13-5.5

Lab ID: 2200288-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Chlorobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Chloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Chloroform	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Chloromethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
cis-1,2-Dichloroethene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
cis-1,3-Dichloropropene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Di-isopropyl ether	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Dibromochloromethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Dibromomethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Dichlorodifluoromethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Ethyl Acetate	ND	54	1	B2C1029	03/09/2022	03/09/22 22:02	
Ethyl Ether	ND	54	1	B2C1029	03/09/2022	03/09/22 22:02	
Ethyl tert-butyl ether	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Ethylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Freon-113	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Hexachlorobutadiene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Isopropylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
m,p-Xylene	ND	11	1	B2C1029	03/09/2022	03/09/22 22:02	
Methylene chloride	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
MTBE	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
n-Butylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
n-Propylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Naphthalene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
o-Xylene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
sec-Butylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Styrene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
tert-Amyl methyl ether	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
tert-Butanol	ND	110	1	B2C1029	03/09/2022	03/09/22 22:02	
tert-Butylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Tetrachloroethene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Toluene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
trans-1,2-Dichloroethene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
trans-1,3-Dichloropropene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Trichloroethene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Trichlorofluoromethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Vinyl acetate	ND	54	1	B2C1029	03/09/2022	03/09/22 22:02	
Vinyl chloride	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Surrogate: 1,2-Dichloroethane-d4	*154 %*	*66 - 200*		B2C1029	03/09/2022	*03/09/22 22:02*	
Surrogate: 4-Bromofluorobenzene	*92.1 %*	*50 - 146*		B2C1029	03/09/2022	*03/09/22 22:02*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-13-5.5

Lab ID: 2200288-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*123 %*		*77 - 159*		B2C1029	03/09/2022	*03/09/22 22:02*	
Surrogate: Toluene-d8	*95.2 %*		*81 - 128*		B2C1029	03/09/2022	*03/09/22 22:02*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: EB**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.94	1	B2C1053	03/10/2022	03/10/22 14:48	
Surrogate: 4-Bromofluorobenzene	*96.9 %*		*47.6 - 121.18*		B2C1053	03/10/2022	*03/10/22 14:48*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-13-15
Lab ID: 2200288-09

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/05/22 00:06	
C23-C32	**11**	10	1	B2C0961	03/04/2022	03/05/22 00:06	
Surrogate: p-Terphenyl	*105 %*	*62 - 141*		B2C0961	03/04/2022	*03/05/22 00:06*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,1,1-Trichloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,1,2-Trichloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,1-Dichloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,1-Dichloroethene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,1-Dichloropropene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2,3-Trichloropropane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2-Dibromo-3-chloropropane	ND	8.5	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2-Dibromoethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2-Dichlorobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2-Dichloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2-Dichloropropane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,3-Dichlorobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,3-Dichloropropane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,4-Dichlorobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
2,2-Dichloropropane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
2-Chlorotoluene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
4-Chlorotoluene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
4-Isopropyltoluene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Benzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Bromobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Bromochloromethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Bromodichloromethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Bromoform	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Bromomethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Carbon disulfide	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-13-15

Lab ID: 2200288-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Chlorobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Chloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Chloroform	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Chloromethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Di-isopropyl ether	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Dibromochloromethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Dibromomethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Dichlorodifluoromethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Ethyl Acetate	ND	42	1	B2C1057	03/10/2022	03/10/22 14:53	
Ethyl Ether	ND	42	1	B2C1057	03/10/2022	03/10/22 14:53	
Ethyl tert-butyl ether	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Ethylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Freon-113	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Hexachlorobutadiene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Isopropylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
m,p-Xylene	ND	8.5	1	B2C1057	03/10/2022	03/10/22 14:53	
Methylene chloride	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
MTBE	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
n-Butylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
n-Propylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Naphthalene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
o-Xylene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
sec-Butylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Styrene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
tert-Amyl methyl ether	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
tert-Butanol	ND	85	1	B2C1057	03/10/2022	03/10/22 14:53	
tert-Butylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Tetrachloroethene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Toluene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Trichloroethene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Trichlorofluoromethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Vinyl acetate	ND	42	1	B2C1057	03/10/2022	03/10/22 14:53	
Vinyl chloride	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Surrogate: 1,2-Dichloroethane-d4	*127 %*	*66 - 200*		B2C1057	03/10/2022	*03/10/22 14:53*	
Surrogate: 4-Bromofluorobenzene	*87.8 %*	*50 - 146*		B2C1057	03/10/2022	*03/10/22 14:53*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-13-15
Lab ID: 2200288-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*116 %*	*77 - 159*		B2C1057	03/10/2022	*03/10/22 14:53*	
Surrogate: Toluene-d8	*94.6 %*	*81 - 128*		B2C1057	03/10/2022	*03/10/22 14:53*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C1053	03/10/2022	03/10/22 15:13	
Surrogate: 4-Bromofluorobenzene	*84.5 %*	*47.6 - 121.18*		B2C1053	03/10/2022	*03/10/22 15:13*	

Client Sample ID: 68-2-3-1
Lab ID: 2200288-10

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Barium	**99**	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Beryllium	**2.7**	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Chromium	**17**	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Cobalt	**5.8**	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Copper	**11**	2.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Lead	**5.2**	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Nickel	**5.2**	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Silver	**5.1**	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Vanadium	**33**	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Zinc	**43**	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-2-3-5.5

Lab ID: 2200288-11

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/05/22 00:24	
C23-C32	**13**	10	1	B2C0961	03/04/2022	03/05/22 00:24	
Surrogate: p-Terphenyl	*110 %*	*62 - 141*		B2C0961	03/04/2022	*03/05/22 00:24*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,1,1-Trichloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,1,2-Trichloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,1-Dichloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,1-Dichloroethene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,1-Dichloropropene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2,3-Trichloropropane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2-Dibromoethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2-Dichlorobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2-Dichloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2-Dichloropropane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,3-Dichlorobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,3-Dichloropropane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,4-Dichlorobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
2,2-Dichloropropane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
2-Chlorotoluene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
4-Chlorotoluene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
4-Isopropyltoluene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Benzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Bromobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Bromochloromethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Bromodichloromethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Bromoform	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Bromomethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Carbon disulfide	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-2-3-5.5

Lab ID: 2200288-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Chlorobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Chloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Chloroform	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Chloromethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Di-isopropyl ether	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Dibromochloromethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Dibromomethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Dichlorodifluoromethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Ethyl Acetate	ND	39	1	B2C1057	03/10/2022	03/10/22 15:19	
Ethyl Ether	ND	39	1	B2C1057	03/10/2022	03/10/22 15:19	
Ethyl tert-butyl ether	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Ethylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Freon-113	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Hexachlorobutadiene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Isopropylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
m,p-Xylene	ND	7.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Methylene chloride	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
MTBE	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
n-Butylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
n-Propylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Naphthalene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
o-Xylene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
sec-Butylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Styrene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
tert-Amyl methyl ether	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
tert-Butanol	ND	79	1	B2C1057	03/10/2022	03/10/22 15:19	
tert-Butylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Tetrachloroethene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Toluene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Trichloroethene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Trichlorofluoromethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Vinyl acetate	ND	39	1	B2C1057	03/10/2022	03/10/22 15:19	
Vinyl chloride	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Surrogate: 1,2-Dichloroethane-d4	*139 %*	*66 - 200*		B2C1057	03/10/2022	*03/10/22 15:19*	
Surrogate: 4-Bromofluorobenzene	*93.8 %*	*50 - 146*		B2C1057	03/10/2022	*03/10/22 15:19*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-2-3-5.5
Lab ID: 2200288-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*115 %*	*77 - 159*		B2C1057	03/10/2022	*03/10/22 15:19*	
Surrogate: Toluene-d8	*96.6 %*	*81 - 128*		B2C1057	03/10/2022	*03/10/22 15:19*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.73	1	B2C1053	03/10/2022	03/10/22 15:54	
Surrogate: 4-Bromofluorobenzene	*98.0 %*	*47.6 - 121.18*		B2C1053	03/10/2022	*03/10/22 15:54*	

Client Sample ID: 68-20-1-1
Lab ID: 2200288-12

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Barium	**82**	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Beryllium	**2.4**	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Chromium	**13**	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Cobalt	**5.3**	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Copper	**9.3**	2.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Lead	**3.7**	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Nickel	**4.4**	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Silver	**4.9**	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Vanadium	**29**	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Zinc	**34**	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-20-1-5.5

Lab ID: 2200288-13

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Acenaphthene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Acenaphthylene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Anthracene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Benzo(a)anthracene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Benzo(a)pyrene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Benzo(b)fluoranthene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Benzo(g,h,i)perylene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Benzo(k)fluoranthene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Chrysene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Dibenz(a,h)anthracene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Fluoranthene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Fluorene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Indeno(1,2,3-cd)pyrene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Naphthalene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Phenanthrene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Pyrene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Surrogate: 1,2-Dichlorobenzene-d4	*66.7 %*	*12 - 125*		B2C0966	03/04/2022	*03/07/22 16:04*	
Surrogate: 2-Fluorobiphenyl	*76.9 %*	*14 - 139*		B2C0966	03/04/2022	*03/07/22 16:04*	
Surrogate: Nitrobenzene-d5	*41.2 %*	*8 - 155*		B2C0966	03/04/2022	*03/07/22 16:04*	
Surrogate: 4-Terphenyl-d14	*102 %*	*16 - 152*		B2C0966	03/04/2022	*03/07/22 16:04*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/05/22 00:43	
C23-C32	**15**	10	1	B2C0961	03/04/2022	03/05/22 00:43	
Surrogate: p-Terphenyl	*120 %*	*62 - 141*		B2C0961	03/04/2022	*03/05/22 00:43*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,1,1-Trichloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,1,2-Trichloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
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Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-20-1-5.5

Lab ID: 2200288-13

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,1-Dichloroethene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,1-Dichloropropene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2,3-Trichloropropane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2-Dibromo-3-chloropropane	ND	9.8	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2-Dibromoethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2-Dichlorobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2-Dichloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2-Dichloropropane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,3-Dichlorobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,3-Dichloropropane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,4-Dichlorobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
2,2-Dichloropropane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
2-Chlorotoluene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
4-Chlorotoluene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
4-Isopropyltoluene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Benzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Bromobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Bromochloromethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Bromodichloromethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Bromoform	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Bromomethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Carbon disulfide	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Carbon tetrachloride	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Chlorobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Chloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Chloroform	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Chloromethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
cis-1,2-Dichloroethene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
cis-1,3-Dichloropropene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Di-isopropyl ether	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Dibromochloromethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Dibromomethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Dichlorodifluoromethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Ethyl Acetate	ND	49	1	B2C1057	03/10/2022	03/10/22 15:45	
Ethyl Ether	ND	49	1	B2C1057	03/10/2022	03/10/22 15:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-20-1-5.5

Lab ID: 2200288-13

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Ethylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Freon-113	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Hexachlorobutadiene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Isopropylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
m,p-Xylene	ND	9.8	1	B2C1057	03/10/2022	03/10/22 15:45	
Methylene chloride	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
MTBE	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
n-Butylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
n-Propylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Naphthalene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
o-Xylene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
sec-Butylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Styrene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
tert-Amyl methyl ether	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
tert-Butanol	ND	98	1	B2C1057	03/10/2022	03/10/22 15:45	
tert-Butylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Tetrachloroethene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Toluene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
trans-1,2-Dichloroethene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
trans-1,3-Dichloropropene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Trichloroethene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Trichlorofluoromethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Vinyl acetate	ND	49	1	B2C1057	03/10/2022	03/10/22 15:45	
Vinyl chloride	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Surrogate: 1,2-Dichloroethane-d4	*146 %*	*66 - 200*		B2C1057	03/10/2022	*03/10/22 15:45*	
Surrogate: 4-Bromofluorobenzene	*96.6 %*	*50 - 146*		B2C1057	03/10/2022	*03/10/22 15:45*	
Surrogate: Dibromofluoromethane	*130 %*	*77 - 159*		B2C1057	03/10/2022	*03/10/22 15:45*	
Surrogate: Toluene-d8	*96.9 %*	*81 - 128*		B2C1057	03/10/2022	*03/10/22 15:45*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.95	1	B2C1053	03/10/2022	03/10/22 16:02	
Surrogate: 4-Bromofluorobenzene	*96.6 %*	*47.6 - 121.18*		B2C1053	03/10/2022	*03/10/22 16:02*	

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GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
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Irvine , CA 92612	Reported : 05/12/2022

QUALITY CONTROL SECTION

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0966 - MSSEMI_S										
Blank (B2C0966-BLK1)						Prepared: 3/4/2022 Analyzed: 3/7/2022				
2-Methylnaphthalene	ND	10	1.2							
Acenaphthene	ND	10	0.81							
Acenaphthylene	ND	10	0.82							
Anthracene	ND	10	1.1							
Benzo(a)anthracene	ND	10	1.1							
Benzo(a)pyrene	ND	10	1.4							
Benzo(b)fluoranthene	ND	10	4.3							
Benzo(g,h,i)perylene	ND	10	1.6							
Benzo(k)fluoranthene	ND	10	1.4							
Chrysene	ND	10	1.2							
Dibenz(a,h)anthracene	ND	10	1.8							
Fluoranthene	ND	10	0.90							
Fluorene	ND	10	0.70							
Indeno(1,2,3-cd)pyrene	ND	10	1.6							
Naphthalene	ND	10	1.1							
Phenanthrene	ND	10	0.68							
Pyrene	ND	10	1.0							
Surrogate: 1,2-Dichlorobenzene-d4	*42.40*			*66.6667*		*63.6*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*51.33*			*66.6667*		*77.0*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*39.56*			*66.6667*		*59.3*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*65.32*			*66.6667*		*98.0*	*16 - 152*			
LCS (B2C0966-BS1)						Prepared: 3/4/2022 Analyzed: 3/7/2022				
2-Methylnaphthalene	35.6780	10	1.2	66.6667		53.5	39 - 92			
Acenaphthene	51.5893	10	0.81	66.6667		77.4	35 - 94			
Acenaphthylene	54.4973	10	0.82	66.6667		81.7	31 - 101			
Anthracene	46.7447	10	1.1	66.6667		70.1	37 - 95			
Benzo(a)anthracene	40.2680	10	1.1	66.6667		60.4	43 - 102			
Benzo(a)pyrene	52.1687	10	1.4	66.6667		78.3	38 - 95			
Benzo(b)fluoranthene	51.2087	10	4.3	66.6667		76.8	44 - 102			
Benzo(g,h,i)perylene	44.5727	10	1.6	66.6667		66.9	34 - 114			
Benzo(k)fluoranthene	56.4660	10	1.4	66.6667		84.7	34 - 110			
Chrysene	66.2927	10	1.2	66.6667		99.4	46 - 101			
Dibenz(a,h)anthracene	33.5580	10	1.8	66.6667		50.3	35 - 117			
Fluoranthene	58.5627	10	0.90	66.6667		87.8	46 - 107			
Fluorene	51.5067	10	0.70	66.6667		77.3	35 - 98			
Indeno(1,2,3-cd)pyrene	39.9027	10	1.6	66.6667		59.9	35 - 114			
Naphthalene	41.3133	10	1.1	66.6667		62.0	39 - 86			
Phenanthrene	53.5067	10	0.68	66.6667		80.3	43 - 98			
Pyrene	57.2647	10	1.0	66.6667		85.9	44 - 108			
Surrogate: 1,2-Dichlorobenzene-d4	*43.56*			*66.6667*		*65.3*	*12 - 125*			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

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Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0966 - MSSEMI_S (continued)										
LCS (B2C0966-BS1) - Continued						Prepared: 3/4/2022 Analyzed: 3/7/2022				
Surrogate: 2-Fluorobiphenyl	*52.97*			*66.6667*		*79.5*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*36.90*			*66.6667*		*55.3*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*64.56*			*66.6667*		*96.8*	*16 - 152*			
Matrix Spike (B2C0966-MS1)			**Source: 2200288-13**			Prepared: 3/4/2022 Analyzed: 3/7/2022				
2-Methylnaphthalene	38.6947	10	1.2	66.6667	ND	58.0	43 - 120			
Acenaphthene	52.2767	10	0.81	66.6667	ND	78.4	52 - 113			
Acenaphthylene	55.1373	10	0.82	66.6667	ND	82.7	44 - 126			
Anthracene	46.4953	10	1.1	66.6667	ND	69.7	49 - 128			
Benzo(a)anthracene	42.9787	10	1.1	66.6667	ND	64.5	32 - 158			
Benzo(a)pyrene	43.6387	10	1.4	66.6667	ND	65.5	39 - 137			
Benzo(b)fluoranthene	47.0660	10	4.3	66.6667	ND	70.6	52 - 132			
Benzo(g,h,i)perylene	43.0960	10	1.6	66.6667	ND	64.6	35 - 162			
Benzo(k)fluoranthene	47.5360	10	1.4	66.6667	ND	71.3	18 - 153			
Chrysene	53.0740	10	1.2	66.6667	3.70000	74.1	25 - 160			
Dibenz(a,h)anthracene	40.3880	10	1.8	66.6667	ND	60.6	41 - 155			
Fluoranthene	55.2373	10	0.90	66.6667	3.18667	78.1	5 - 185			
Fluorene	50.6960	10	0.70	66.6667	ND	76.0	28 - 135			
Indeno(1,2,3-cd)pyrene	39.7873	10	1.6	66.6667	ND	59.7	36 - 162			
Naphthalene	43.2747	10	1.1	66.6667	ND	64.9	41 - 113			
Phenanthrene	52.2720	10	0.68	66.6667	1.04667	76.8	35 - 143			
Pyrene	56.6907	10	1.0	66.6667	2.55467	81.2	10 - 184			
Surrogate: 1,2-Dichlorobenzene-d4	*46.52*			*66.6667*		*69.8*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*53.35*			*66.6667*		*80.0*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*38.91*			*66.6667*		*58.4*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*58.74*			*66.6667*		*88.1*	*16 - 152*			
Matrix Spike Dup (B2C0966-MSD1)			**Source: 2200288-13**			Prepared: 3/4/2022 Analyzed: 3/7/2022				
2-Methylnaphthalene	39.1760	10	1.2	66.6667	ND	58.8	43 - 120	1.24	20	
Acenaphthene	52.9653	10	0.81	66.6667	ND	79.4	52 - 113	1.31	20	
Acenaphthylene	54.2693	10	0.82	66.6667	ND	81.4	44 - 126	1.59	20	
Anthracene	49.8833	10	1.1	66.6667	ND	74.8	49 - 128	7.03	20	
Benzo(a)anthracene	48.1833	10	1.1	66.6667	ND	72.3	32 - 158	11.4	20	
Benzo(a)pyrene	44.3213	10	1.4	66.6667	ND	66.5	39 - 137	1.55	20	
Benzo(b)fluoranthene	49.4007	10	4.3	66.6667	ND	74.1	52 - 132	4.84	20	
Benzo(g,h,i)perylene	40.9260	10	1.6	66.6667	ND	61.4	35 - 162	5.17	20	
Benzo(k)fluoranthene	47.7467	10	1.4	66.6667	ND	71.6	18 - 153	0.442	20	
Chrysene	57.7560	10	1.2	66.6667	3.70000	81.1	25 - 160	8.45	20	
Dibenz(a,h)anthracene	38.1253	10	1.8	66.6667	ND	57.2	41 - 155	5.76	20	
Fluoranthene	57.3660	10	0.90	66.6667	3.18667	81.3	5 - 185	3.78	20	
Fluorene	51.0760	10	0.70	66.6667	ND	76.6	28 - 135	0.747	20	
Indeno(1,2,3-cd)pyrene	40.4247	10	1.6	66.6667	ND	60.6	36 - 162	1.59	20	
Naphthalene	43.6013	10	1.1	66.6667	ND	65.4	41 - 113	0.752	20	
Phenanthrene	55.4800	10	0.68	66.6667	1.04667	81.6	35 - 143	5.95	20	
Pyrene	57.5707	10	1.0	66.6667	2.55467	82.5	10 - 184	1.54	20	

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19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0966 - MSSEMI_S (continued)									
Matrix Spike Dup (B2C0966-MSD1) - Continued			**Source: 2200288-13**		Prepared: 3/4/2022 Analyzed: 3/7/2022				
Surrogate: 1,2-Dichlorobenzene-d4	*44.20*		*66.6667*		*66.3*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*50.49*		*66.6667*		*75.7*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*38.02*		*66.6667*		*57.0*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*58.19*		*66.6667*		*87.3*	*16 - 152*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1053 - GCVOA_S										
Blank (B2C1053-BLK1)						Prepared: 3/10/2022 Analyzed: 3/10/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6566*			*0.800000*		*82.1*	*47.6 - 121.18*			
LCS (B2C1053-BS1)						Prepared: 3/10/2022 Analyzed: 3/10/2022				
Gasoline Range Organics	5.91600	1.0	0.13	5.00000		118	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7599*			*0.800000*		*95.0*	*47.6 - 121.18*			
LCS Dup (B2C1053-BSD1)						Prepared: 3/10/2022 Analyzed: 3/10/2022				
Gasoline Range Organics	5.80700	1.0	0.13	5.00000		116	68.69 - 124.04	1.86	20	
Surrogate: 4-Bromofluorobenzene	*0.7573*			*0.800000*		*94.7*	*47.6 - 121.18*			
Matrix Spike (B2C1053-MS2)				**Source: 2200268-19**		Prepared: 3/10/2022 Analyzed: 3/10/2022				
Gasoline Range Organics	6.51423	1.0	0.13	5.08130	ND	128	37.92 - 128.32			
Surrogate: 4-Bromofluorobenzene	*0.7163*			*0.800000*		*89.5*	*47.6 - 121.18*			
Matrix Spike Dup (B2C1053-MSD2)				**Source: 2200268-19**		Prepared: 3/10/2022 Analyzed: 3/10/2022				
Gasoline Range Organics	5.75659	1.0	0.13	5.07099	ND	114	37.92 - 128.32	12.3	20	
Surrogate: 4-Bromofluorobenzene	*0.7938*			*0.800000*		*99.2*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0951 - EPA 3050B_S										
Blank (B2C0951-BLK1)						Prepared: 3/4/2022 Analyzed: 3/8/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C0951-BS1)						Prepared: 3/4/2022 Analyzed: 3/8/2022				
Antimony	23.1854	2.0	0.51	25.0000		92.7	80 - 120			
Arsenic	22.9458	1.0	0.12	25.0000		91.8	80 - 120			
Barium	22.3880	1.0	0.12	25.0000		89.6	80 - 120			
Beryllium	24.0710	1.0	0.03	25.0100		96.2	80 - 120			
Cadmium	23.7821	1.0	0.14	25.0000		95.1	80 - 120			
Chromium	23.3078	1.0	0.26	25.0000		93.2	80 - 120			
Cobalt	24.8833	1.0	0.07	25.0000		99.5	80 - 120			
Copper	22.9524	2.0	0.19	25.0000		91.8	80 - 120			
Lead	23.3185	1.0	0.18	25.0000		93.3	80 - 120			
Molybdenum	23.9518	1.0	0.12	25.0000		95.8	80 - 120			
Nickel	23.5133	1.0	0.18	25.0000		94.1	80 - 120			
Selenium	23.8315	1.0	0.40	25.0000		95.3	80 - 120			
Silver	11.2073	1.0	0.12	12.5000		89.7	80 - 120			
Thallium	23.3307	1.0	0.38	25.0000		93.3	80 - 120			
Vanadium	23.1011	1.0	0.06	25.0000		92.4	80 - 120			
Zinc	23.7356	1.0	0.15	25.0000		94.9	80 - 120			
Matrix Spike (B2C0951-MS1)			**Source: 2200285-01**			Prepared: 3/4/2022 Analyzed: 3/8/2022				
Antimony	10.9099	2.0	0.51	25.0000	ND	43.6	0 - 102			
Arsenic	19.5336	1.0	0.12	25.0000	ND	78.1	55 - 117			
Barium	96.8798	1.0	0.12	25.0000	76.8436	80.1	11 - 177			
Beryllium	18.2354	1.0	0.03	25.0100	2.40245	63.3	64 - 115			M2
Cadmium	20.1361	1.0	0.14	25.0000	0.387800	79.0	62 - 116			
Chromium	32.2407	1.0	0.26	25.0000	12.7233	78.1	42 - 145			
Cobalt	25.7868	1.0	0.07	25.0000	4.68113	84.4	60 - 126			
Copper	31.0476	2.0	0.19	25.0000	9.22346	87.3	37 - 163			
Lead	23.1841	1.0	0.18	25.0000	4.72732	73.8	26 - 161			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0951 - EPA 3050B_S (continued)										
Matrix Spike (B2C0951-MS1) - Continued			**Source: 2200285-01**				Prepared: 3/4/2022 Analyzed: 3/8/2022			
Molybdenum	20.2106	1.0	0.12	25.0000	0.160201	80.2	31 - 122			
Nickel	19.4956	1.0	0.18	25.0000	4.69301	59.2	52 - 130			
Selenium	19.3991	1.0	0.40	25.0000	ND	77.6	25 - 129			
Silver	14.7389	1.0	0.12	12.5000	4.94651	78.3	48 - 133			
Thallium	19.0993	1.0	0.38	25.0000	ND	76.4	25 - 119			
Vanadium	50.4672	1.0	0.06	25.0000	28.8134	86.6	51 - 141			
Zinc	52.8232	1.0	0.15	25.0000	32.6049	80.9	8 - 170			
Matrix Spike Dup (B2C0951-MSD1)			**Source: 2200285-01**				Prepared: 3/4/2022 Analyzed: 3/8/2022			
Antimony	10.5937	2.0	0.51	25.0000	ND	42.4	0 - 102	2.94	20	
Arsenic	19.4829	1.0	0.12	25.0000	ND	77.9	55 - 117	0.260	20	
Barium	96.2537	1.0	0.12	25.0000	76.8436	77.6	11 - 177	0.648	20	
Beryllium	18.1937	1.0	0.03	25.0100	2.40245	63.1	64 - 115	0.229	20	M2
Cadmium	19.9435	1.0	0.14	25.0000	0.387800	78.2	62 - 116	0.961	20	
Chromium	32.0574	1.0	0.26	25.0000	12.7233	77.3	42 - 145	0.570	20	
Cobalt	25.7364	1.0	0.07	25.0000	4.68113	84.2	60 - 126	0.195	20	
Copper	30.4054	2.0	0.19	25.0000	9.22346	84.7	37 - 163	2.09	20	
Lead	22.9674	1.0	0.18	25.0000	4.72732	73.0	26 - 161	0.939	20	
Molybdenum	20.1250	1.0	0.12	25.0000	0.160201	79.9	31 - 122	0.425	20	
Nickel	19.5683	1.0	0.18	25.0000	4.69301	59.5	52 - 130	0.372	20	
Selenium	20.1247	1.0	0.40	25.0000	ND	80.5	25 - 129	3.67	20	
Silver	14.8017	1.0	0.12	12.5000	4.94651	78.8	48 - 133	0.425	20	
Thallium	18.4734	1.0	0.38	25.0000	ND	73.9	25 - 119	3.33	20	
Vanadium	50.3514	1.0	0.06	25.0000	28.8134	86.2	51 - 141	0.230	20	
Zinc	52.1772	1.0	0.15	25.0000	32.6049	78.3	8 - 170	1.23	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0947 - EPA 7471_S										
Blank (B2C0947-BLK1)						Prepared: 3/4/2022 Analyzed: 3/7/2022				
Mercury	ND	0.10	0.01							
LCS (B2C0947-BS1)						Prepared: 3/4/2022 Analyzed: 3/7/2022				
Mercury	0.407590	0.10	0.01	0.416667		97.8	80 - 120			
Matrix Spike (B2C0947-MS1)			**Source: 2200291-01**			Prepared: 3/4/2022 Analyzed: 3/7/2022				
Mercury	0.640652	0.10	0.01	0.416667	0.217255	102	70 - 130			
Matrix Spike Dup (B2C0947-MSD1)			**Source: 2200291-01**			Prepared: 3/4/2022 Analyzed: 3/7/2022				
Mercury	0.659394	0.10	0.01	0.416667	0.217255	106	70 - 130	2.88	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0947 - EPA 7471_S									
Post Spike (B2C0947-PS1)			**Source: 2200291-01**		Prepared: 3/4/2022 Analyzed: 3/7/2022				
Mercury	0.007021		5.00000E-3	0.002607	88.3	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0961 - GCSEMI_DRO_S										
Blank (B2C0961-BLK1)						Prepared: 3/4/2022 Analyzed: 3/4/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*78.56*			*80.0000*		*98.2*	*62 - 141*			
LCS (B2C0961-BS1)						Prepared: 3/4/2022 Analyzed: 3/4/2022				
DRO	965.143	10	3.6	1000.00		96.5	56 - 139			
Surrogate: p-Terphenyl	*85.68*			*80.0000*		*107*	*62 - 141*			
Matrix Spike (B2C0961-MS1)			**Source: 2200291-01**			Prepared: 3/4/2022 Analyzed: 3/4/2022				
DRO	1089.66	50	18	1000.00	ND	109	38 - 161			
Surrogate: p-Terphenyl	*78.54*			*80.0000*		*98.2*	*62 - 141*			
Matrix Spike Dup (B2C0961-MSD1)			**Source: 2200291-01**			Prepared: 3/4/2022 Analyzed: 3/4/2022				
DRO	1066.85	50	18	1000.00	ND	107	38 - 161	2.12	20	
Surrogate: p-Terphenyl	*85.08*			*80.0000*		*106*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Organochlorine Pesticides by EPA 8081A - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0972 - GCSEMI_PCB/PEST_S										
Blank (B2C0972-BLK1)							Prepared: 3/4/2022 Analyzed: 3/4/2022			
4,4´-DDD	ND	2.0	0.08							
4,4´-DDD [2C]	ND	2.0	0.08							
4,4´-DDE	ND	2.0	0.09							
4,4´-DDE [2C]	ND	2.0	0.09							
4,4´-DDT	ND	2.0	0.10							
4,4´-DDT [2C]	ND	2.0	0.10							
Aldrin	ND	1.0	0.09							
Aldrin [2C]	ND	1.0	0.09							
alpha-BHC	ND	1.0	0.11							
alpha-BHC [2C]	ND	1.0	0.11							
alpha-Chlordane	ND	1.0	0.10							
alpha-Chlordane [2C]	ND	1.0	0.10							
beta-BHC	ND	1.0	0.15							
beta-BHC [2C]	ND	1.0	0.15							
Chlordane	ND	8.5	1.1							
Chlordane [2C]	ND	8.5	1.1							
delta-BHC	ND	1.0	0.11							
delta-BHC [2C]	ND	1.0	0.11							
Dieldrin	ND	2.0	0.09							
Dieldrin [2C]	ND	2.0	0.09							
Endosulfan I	ND	1.0	0.09							
Endosulfan I [2C]	ND	1.0	0.09							
Endosulfan II	ND	2.0	0.09							
Endosulfan II [2C]	ND	2.0	0.09							
Endosulfan sulfate	ND	2.0	0.11							
Endosulfan Sulfate [2C]	ND	2.0	0.11							
Endrin	ND	2.0	0.07							
Endrin [2C]	ND	2.0	0.07							
Endrin aldehyde	ND	2.0	0.18							
Endrin aldehyde [2C]	ND	2.0	0.18							
Endrin ketone	ND	2.0	0.06							
Endrin ketone [2C]	ND	2.0	0.06							
gamma-BHC	ND	1.0	0.12							
gamma-BHC [2C]	ND	1.0	0.12							
gamma-Chlordane	ND	1.0	0.11							
gamma-Chlordane [2C]	ND	1.0	0.11							
Heptachlor	ND	1.0	0.10							
Heptachlor [2C]	ND	1.0	0.10							
Heptachlor epoxide	ND	1.0	0.09							
Heptachlor epoxide [2C]	ND	1.0	0.09							
Methoxychlor	ND	5.0	0.14							
Methoxychlor [2C]	ND	5.0	0.14							
Toxaphene	ND	50	3.6							
Toxaphene [2C]	ND	50	3.6							

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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
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Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0972 - GCSEMI_PCB/PEST_S (continued)										
Blank (B2C0972-BLK1) - Continued						Prepared: 3/4/2022 Analyzed: 3/4/2022				
Surrogate: Decachlorobiphenyl	*11.39*			*16.6667*		*68.3*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*10.15*			*16.6667*		*60.9*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*10.15*			*16.6667*		*60.9*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*10.24*			*16.6667*		*61.4*	*6 - 76*			
LCS (B2C0972-BS1)						Prepared: 3/4/2022 Analyzed: 3/4/2022				
4,4´-DDD	14.7698	2.0	0.08	16.6667		88.6	35 - 94			
4,4´-DDD [2C]	14.5868	2.0	0.08	16.6667		87.5	38 - 85			L3
4,4´-DDE	12.2942	2.0	0.09	16.6667		73.8	27 - 81			
4,4´-DDE [2C]	12.3942	2.0	0.09	16.6667		74.4	32 - 84			
4,4´-DDT	9.92250	2.0	0.10	16.6667		59.5	22 - 87			
4,4´-DDT [2C]	9.98167	2.0	0.10	16.6667		59.9	23 - 91			
Aldrin	10.3810	1.0	0.09	16.6667		62.3	23 - 75			
Aldrin [2C]	10.3413	1.0	0.09	16.6667		62.0	25 - 79			
alpha-BHC	10.4925	1.0	0.11	16.6667		63.0	23 - 77			
alpha-BHC [2C]	10.4252	1.0	0.11	16.6667		62.6	39 - 92			
alpha-Chlordane	12.7872	1.0	0.10	16.6667		76.7	30 - 85			
alpha-Chlordane [2C]	13.0552	1.0	0.10	16.6667		78.3	33 - 91			
beta-BHC	11.0245	1.0	0.15	16.6667		66.1	29 - 77			
beta-BHC [2C]	11.5867	1.0	0.15	16.6667		69.5	30 - 80			
delta-BHC	12.6768	1.0	0.11	16.6667		76.1	30 - 85			
delta-BHC [2C]	12.3052	1.0	0.11	16.6667		73.8	33 - 92			
Dieldrin	12.2380	2.0	0.09	16.6667		73.4	31 - 80			
Dieldrin [2C]	11.9828	2.0	0.09	16.6667		71.9	33 - 82			
Endosulfan I	11.2105	1.0	0.09	16.6667		67.3	27 - 74			
Endosulfan I [2C]	10.7890	1.0	0.09	16.6667		64.7	30 - 79			
Endosulfan II	12.5387	2.0	0.09	16.6667		75.2	37 - 86			
Endosulfan II [2C]	12.6677	2.0	0.09	16.6667		76.0	38 - 86			
Endosulfan sulfate	11.5143	2.0	0.11	16.6667		69.1	32 - 80			
Endosulfan Sulfate [2C]	11.3738	2.0	0.11	16.6667		68.2	32 - 87			
Endrin	12.6440	2.0	0.07	16.6667		75.9	35 - 92			
Endrin [2C]	12.7210	2.0	0.07	16.6667		76.3	39 - 98			
Endrin aldehyde	12.4767	2.0	0.18	16.6667		74.9	29 - 82			
Endrin aldehyde [2C]	13.0660	2.0	0.18	16.6667		78.4	30 - 91			
Endrin ketone	11.5240	2.0	0.06	16.6667		69.1	30 - 85			
Endrin ketone [2C]	11.7863	2.0	0.06	16.6667		70.7	32 - 84			
gamma-BHC	11.0878	1.0	0.12	16.6667		66.5	25 - 81			
gamma-BHC [2C]	11.2623	1.0	0.12	16.6667		67.6	26 - 83			
gamma-Chlordane	10.6227	1.0	0.11	16.6667		63.7	30 - 77			
gamma-Chlordane [2C]	11.0177	1.0	0.11	16.6667		66.1	32 - 79			
Heptachlor	10.0967	1.0	0.10	16.6667		60.6	23 - 85			
Heptachlor [2C]	10.3803	1.0	0.10	16.6667		62.3	28 - 84			
Heptachlor epoxide	10.9628	1.0	0.09	16.6667		65.8	26 - 76			
Heptachlor epoxide [2C]	11.1578	1.0	0.09	16.6667		66.9	29 - 80			
Methoxychlor	10.9287	5.0	0.14	16.6667		65.6	27 - 93			

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Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0972 - GCSEMI_PCB/PEST_S (continued)										
LCS (B2C0972-BS1) - Continued						Prepared: 3/4/2022 Analyzed: 3/4/2022				
Methoxychlor [2C]	11.3255	5.0	0.14	16.6667		68.0	27 - 98			
Surrogate: Decachlorobiphenyl	*11.63*			*16.6667*		*69.8*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*10.59*			*16.6667*		*63.5*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*9.850*			*16.6667*		*59.1*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*10.12*			*16.6667*		*60.7*	*6 - 76*			
Matrix Spike (B2C0972-MS1)			**Source: 2200288-01**			Prepared: 3/4/2022 Analyzed: 3/4/2022				
4,4´-DDD	12.7418	2.0	0.08	16.6667	ND	76.5	13 - 84			
4,4´-DDD [2C]	13.3392	2.0	0.08	16.6667	ND	80.0	9 - 91			
4,4´-DDE	11.3237	2.0	0.09	16.6667	0.519333	64.8	0 - 115			
4,4´-DDE [2C]	11.9713	2.0	0.09	16.6667	0.599667	68.2	0 - 142			
4,4´-DDT	9.15783	2.0	0.10	16.6667	0.295333	53.2	0 - 116			
4,4´-DDT [2C]	9.38250	2.0	0.10	16.6667	0.263833	54.7	0 - 112			
Aldrin	9.33367	1.0	0.09	16.6667	ND	56.0	5 - 80			
Aldrin [2C]	9.86867	1.0	0.09	16.6667	ND	59.2	4 - 86			
alpha-BHC	9.42683	1.0	0.11	16.6667	ND	56.6	10 - 76			
alpha-BHC [2C]	9.93533	1.0	0.11	16.6667	ND	59.6	8 - 86			
alpha-Chlordane	11.1718	1.0	0.10	16.6667	ND	67.0	6 - 92			
alpha-Chlordane [2C]	12.1612	1.0	0.10	16.6667	ND	73.0	1 - 112			
beta-BHC	9.65500	1.0	0.15	16.6667	ND	57.9	14 - 72			
beta-BHC [2C]	11.2837	1.0	0.15	16.6667	ND	67.7	16 - 76			
delta-BHC	10.8958	1.0	0.11	16.6667	ND	65.4	14 - 76			
delta-BHC [2C]	11.4995	1.0	0.11	16.6667	ND	69.0	12 - 86			
Dieldrin	10.8350	2.0	0.09	16.6667	ND	65.0	0 - 122			
Dieldrin [2C]	11.2652	2.0	0.09	16.6667	ND	67.6	0 - 110			
Endosulfan I	9.97467	1.0	0.09	16.6667	ND	59.8	6 - 80			
Endosulfan I [2C]	10.2227	1.0	0.09	16.6667	ND	61.3	0 - 96			
Endosulfan II	10.8510	2.0	0.09	16.6667	ND	65.1	17 - 82			
Endosulfan II [2C]	11.6698	2.0	0.09	16.6667	ND	70.0	6 - 98			
Endosulfan sulfate	10.2302	2.0	0.11	16.6667	ND	61.4	9 - 78			
Endosulfan Sulfate [2C]	10.7292	2.0	0.11	16.6667	ND	64.4	14 - 75			
Endrin	11.1800	2.0	0.07	16.6667	ND	67.1	6 - 111			
Endrin [2C]	11.9698	2.0	0.07	16.6667	ND	71.8	21 - 94			
Endrin aldehyde	11.0608	2.0	0.18	16.6667	ND	66.4	0 - 121			
Endrin aldehyde [2C]	12.5290	2.0	0.18	16.6667	ND	75.2	9 - 87			
Endrin ketone	10.2272	2.0	0.06	16.6667	ND	61.4	8 - 78			
Endrin ketone [2C]	10.9848	2.0	0.06	16.6667	ND	65.9	10 - 84			
gamma-BHC	10.0122	1.0	0.12	16.6667	ND	60.1	14 - 81			
gamma-BHC [2C]	10.7653	1.0	0.12	16.6667	ND	64.6	13 - 84			
gamma-Chlordane	10.3132	1.0	0.11	16.6667	ND	61.9	12 - 79			
gamma-Chlordane [2C]	10.3835	1.0	0.11	16.6667	ND	62.3	11 - 82			
Heptachlor	9.10700	1.0	0.10	16.6667	ND	54.6	3 - 92			
Heptachlor [2C]	9.85650	1.0	0.10	16.6667	ND	59.1	15 - 81			
Heptachlor epoxide	9.61583	1.0	0.09	16.6667	ND	57.7	11 - 75			
Heptachlor epoxide [2C]	10.5802	1.0	0.09	16.6667	ND	63.5	16 - 76			

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Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0972 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike (B2C0972-MS1) - Continued			**Source: 2200288-01**			Prepared: 3/4/2022 Analyzed: 3/4/2022				
Methoxychlor	9.88850	5.0	0.14	16.6667	ND	59.3	0 - 101			
Methoxychlor [2C]	11.0503	5.0	0.14	16.6667	ND	66.3	0 - 110			
Surrogate: Decachlorobiphenyl	*10.36*			*16.6667*		*62.2*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*10.31*			*16.6667*		*61.9*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*8.779*			*16.6667*		*52.7*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*9.657*			*16.6667*		*57.9*	*6 - 76*			
Matrix Spike Dup (B2C0972-MSD1)			**Source: 2200288-01**			Prepared: 3/4/2022 Analyzed: 3/4/2022				
4,4´-DDD	12.8423	2.0	0.08	16.6667	ND	77.1	13 - 84	0.786	20	
4,4´-DDD [2C]	13.3855	2.0	0.08	16.6667	ND	80.3	9 - 91	0.347	20	
4,4´-DDE	11.5028	2.0	0.09	16.6667	0.519333	65.9	0 - 115	1.57	20	
4,4´-DDE [2C]	12.1528	2.0	0.09	16.6667	0.599667	69.3	0 - 142	1.50	20	
4,4´-DDT	9.29833	2.0	0.10	16.6667	0.295333	54.0	0 - 116	1.52	20	
4,4´-DDT [2C]	9.85883	2.0	0.10	16.6667	0.263833	57.6	0 - 112	4.95	20	
Aldrin	9.28983	1.0	0.09	16.6667	ND	55.7	5 - 80	0.471	20	
Aldrin [2C]	9.75917	1.0	0.09	16.6667	ND	58.6	4 - 86	1.12	20	
alpha-BHC	9.21233	1.0	0.11	16.6667	ND	55.3	10 - 76	2.30	20	
alpha-BHC [2C]	9.60117	1.0	0.11	16.6667	ND	57.6	8 - 86	3.42	20	
alpha-Chlordane	11.3923	1.0	0.10	16.6667	ND	68.4	6 - 92	1.95	20	
alpha-Chlordane [2C]	12.3920	1.0	0.10	16.6667	ND	74.4	1 - 112	1.88	20	
beta-BHC	9.86383	1.0	0.15	16.6667	ND	59.2	14 - 72	2.14	20	
beta-BHC [2C]	10.9333	1.0	0.15	16.6667	ND	65.6	16 - 76	3.15	20	
delta-BHC	11.2170	1.0	0.11	16.6667	ND	67.3	14 - 76	2.90	20	
delta-BHC [2C]	11.5678	1.0	0.11	16.6667	ND	69.4	12 - 86	0.592	20	
Dieldrin	10.9817	2.0	0.09	16.6667	ND	65.9	0 - 122	1.34	20	
Dieldrin [2C]	11.3333	2.0	0.09	16.6667	ND	68.0	0 - 110	0.603	20	
Endosulfan I	10.1333	1.0	0.09	16.6667	ND	60.8	6 - 80	1.58	20	
Endosulfan I [2C]	10.2632	1.0	0.09	16.6667	ND	61.6	0 - 96	0.395	20	
Endosulfan II	10.9717	2.0	0.09	16.6667	ND	65.8	17 - 82	1.11	20	
Endosulfan II [2C]	11.7482	2.0	0.09	16.6667	ND	70.5	6 - 98	0.669	20	
Endosulfan sulfate	10.3223	2.0	0.11	16.6667	ND	61.9	9 - 78	0.897	20	
Endosulfan Sulfate [2C]	10.8373	2.0	0.11	16.6667	ND	65.0	14 - 75	1.00	20	
Endrin	11.4747	2.0	0.07	16.6667	ND	68.8	6 - 111	2.60	20	
Endrin [2C]	12.1080	2.0	0.07	16.6667	ND	72.6	21 - 94	1.15	20	
Endrin aldehyde	11.0648	2.0	0.18	16.6667	ND	66.4	0 - 121	0.0362	20	
Endrin aldehyde [2C]	12.2037	2.0	0.18	16.6667	ND	73.2	9 - 87	2.63	20	
Endrin ketone	10.2555	2.0	0.06	16.6667	ND	61.5	8 - 78	0.277	20	
Endrin ketone [2C]	10.9547	2.0	0.06	16.6667	ND	65.7	10 - 84	0.275	20	
gamma-BHC	9.95383	1.0	0.12	16.6667	ND	59.7	14 - 81	0.584	20	
gamma-BHC [2C]	10.6342	1.0	0.12	16.6667	ND	63.8	13 - 84	1.23	20	
gamma-Chlordane	9.48767	1.0	0.11	16.6667	ND	56.9	12 - 79	8.34	20	
gamma-Chlordane [2C]	10.3005	1.0	0.11	16.6667	ND	61.8	11 - 82	0.803	20	
Heptachlor	9.15250	1.0	0.10	16.6667	ND	54.9	3 - 92	0.498	20	
Heptachlor [2C]	9.86350	1.0	0.10	16.6667	ND	59.2	15 - 81	0.0710	20	
Heptachlor epoxide	9.98850	1.0	0.09	16.6667	ND	59.9	11 - 75	3.80	20	

Certificate of Analysis

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Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0972 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike Dup (B2C0972-MSD1) - Continued			**Source: 2200288-01**			Prepared: 3/4/2022 Analyzed: 3/4/2022				
Heptachlor epoxide [2C]	10.6193	1.0	0.09	16.6667	ND	63.7	16 - 76	0.369	20	
Methoxychlor	10.1952	5.0	0.14	16.6667	ND	61.2	0 - 101	3.05	20	
Methoxychlor [2C]	11.0752	5.0	0.14	16.6667	ND	66.5	0 - 110	0.225	20	
Surrogate: Decachlorobiphenyl	*10.22*			*16.6667*		*61.3*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*10.43*			*16.6667*		*62.6*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*8.485*			*16.6667*		*50.9*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*9.034*			*16.6667*		*54.2*	*6 - 76*			

Certificate of Analysis

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S										
Blank (B2C1029-BLK1)							Prepared: 3/9/2022 Analyzed: 3/9/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S (continued)										
Blank (B2C1029-BLK1) - Continued						Prepared: 3/9/2022 Analyzed: 3/9/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*63.82*			*50.0000*		*128*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*45.13*			*50.0000*		*90.3*	*50 - 146*			
Surrogate: Dibromofluoromethane	*56.24*			*50.0000*		*112*	*77 - 159*			
Surrogate: Toluene-d8	*48.33*			*50.0000*		*96.7*	*81 - 128*			
Blank (B2C1029-BLK2)						Prepared: 3/9/2022 Analyzed: 3/9/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							

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Project Number : Ontario Airport / 5925
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S (continued)										
Blank (B2C1029-BLK2) - Continued							Prepared: 3/9/2022 Analyzed: 3/9/2022			
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S (continued)										
Blank (B2C1029-BLK2) - Continued						Prepared: 3/9/2022 Analyzed: 3/9/2022				
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*62.77*			*50.0000*		*126*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.40*			*50.0000*		*96.8*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.97*			*50.0000*		*108*	*77 - 159*			
Surrogate: Toluene-d8	*47.58*			*50.0000*		*95.2*	*81 - 128*			
LCS (B2C1029-BS1)						Prepared: 3/9/2022 Analyzed: 3/9/2022				
1,1,1,2-Tetrachloroethane	50.2600	5.0	0.52	50.0000		101	84 - 123			
1,1,1-Trichloroethane	58.7400	5.0	0.26	50.0000		117	78 - 133			
1,1,2,2-Tetrachloroethane	39.3400	5.0	0.21	50.0000		78.7	63 - 127			
1,1,2-Trichloroethane	47.6200	5.0	0.40	50.0000		95.2	80 - 125			
1,1-Dichloroethane	53.5300	5.0	1.4	50.0000		107	77 - 128			
1,1-Dichloroethene	57.2700	5.0	1.9	50.0000		115	69 - 138			
1,1-Dichloropropene	51.0800	5.0	0.54	50.0000		102	80 - 133			
1,2,3-Trichloropropane	43.7000	5.0	0.40	50.0000		87.4	74 - 123			
1,2,3-Trichlorobenzene	45.0600	5.0	0.83	50.0000		90.1	79 - 133			
1,2,4-Trichlorobenzene	43.5000	5.0	0.80	50.0000		87.0	73 - 131			
1,2,4-Trimethylbenzene	45.8100	5.0	0.91	50.0000		91.6	86 - 137			
1,2-Dibromo-3-chloropropane	42.9100	10	1.1	50.0000		85.8	62 - 127			
1,2-Dibromoethane	48.4300	5.0	0.40	50.0000		96.9	83 - 126			
1,2-Dichlorobenzene	43.4400	5.0	0.21	50.0000		86.9	83 - 123			
1,2-Dichloroethane	55.5800	5.0	0.50	50.0000		111	76 - 128			
1,2-Dichloropropane	44.5100	5.0	0.46	50.0000		89.0	77 - 121			
1,3,5-Trimethylbenzene	44.9900	5.0	0.70	50.0000		90.0	84 - 135			
1,3-Dichlorobenzene	43.8600	5.0	0.36	50.0000		87.7	81 - 126			
1,3-Dichloropropane	48.7100	5.0	0.49	50.0000		97.4	80 - 118			
1,4-Dichlorobenzene	44.8100	5.0	0.27	50.0000		89.6	80 - 124			
2,2-Dichloropropane	53.1300	5.0	0.28	50.0000		106	72 - 135			
2-Chlorotoluene	46.2600	5.0	0.53	50.0000		92.5	81 - 127			
4-Chlorotoluene	45.9800	5.0	0.40	50.0000		92.0	83 - 127			
4-Isopropyltoluene	43.6400	5.0	0.81	50.0000		87.3	82 - 143			
Benzene	49.9700	5.0	0.36	50.0000		99.9	84 - 123			
Bromobenzene	44.7900	5.0	0.62	50.0000		89.6	80 - 122			
Bromochloromethane	50.4800	5.0	0.30	50.0000		101	83 - 127			
Bromodichloromethane	54.1900	5.0	0.52	50.0000		108	82 - 123			
Bromoform	47.3900	5.0	1.4	50.0000		94.8	80 - 132			
Bromomethane	79.7500	5.0	2.5	50.0000		160	67 - 176			

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S (continued)										
LCS (B2C1029-BS1) - Continued						Prepared: 3/9/2022 Analyzed: 3/9/2022				
Carbon disulfide	57.3000	5.0	0.94	50.0000		115	75 - 138			
Carbon tetrachloride	54.0200	5.0	0.73	50.0000		108	76 - 131			
Chlorobenzene	47.8600	5.0	0.42	50.0000		95.7	84 - 119			
Chloroethane	67.1000	5.0	1.5	50.0000		134	56 - 170			
Chloroform	56.9800	5.0	0.24	50.0000		114	78 - 129			
Chloromethane	46.3000	5.0	1.1	50.0000		92.6	63 - 141			
cis-1,2-Dichloroethene	41.1200	5.0	0.20	50.0000		82.2	83 - 125			L3
cis-1,3-Dichloropropene	42.7700	5.0	0.39	50.0000		85.5	76 - 129			
Di-isopropyl ether	46.8500	5.0	1.9	50.0000		93.7	73 - 132			
Dibromochloromethane	45.2900	5.0	0.81	50.0000		90.6	81 - 120			
Dibromomethane	51.4800	5.0	0.23	50.0000		103	79 - 124			
Dichlorodifluoromethane	51.9600	5.0	0.14	50.0000		104	18 - 199			
Ethyl Acetate	32.2300	50	7.0	500.000		6.45	76 - 138			MO
Ethyl Ether	655.370	50	17	500.000		131	74 - 128			L4
Ethyl tert-butyl ether	47.5600	5.0	0.85	50.0000		95.1	50 - 175			
Ethylbenzene	49.8400	5.0	0.43	50.0000		99.7	86 - 130			
Freon-113	64.6700	5.0	1.3	50.0000		129	66 - 132			
Hexachlorobutadiene	49.5600	5.0	0.40	50.0000		99.1	64 - 135			
Isopropylbenzene	45.4000	5.0	0.79	50.0000		90.8	80 - 133			
m,p-Xylene	98.7300	10	0.98	100.000		98.7	89 - 133			
Methylene chloride	51.4400	5.0	2.2	50.0000		103	72 - 143			
MTBE	49.3900	5.0	0.81	50.0000		98.8	73 - 136			
n-Butylbenzene	45.6600	5.0	1.2	50.0000		91.3	76 - 144			
n-Propylbenzene	45.5600	5.0	0.78	50.0000		91.1	81 - 136			
Naphthalene	40.3100	5.0	1.1	50.0000		80.6	64 - 128			
o-Xylene	49.2700	5.0	0.67	50.0000		98.5	82 - 134			
sec-Butylbenzene	44.5600	5.0	0.63	50.0000		89.1	81 - 138			
Styrene	48.5700	5.0	0.45	50.0000		97.1	79 - 152			
tert-Amyl methyl ether	49.9400	5.0	1.1	50.0000		99.9	48 - 166			
tert-Butanol	180.980	100	11	250.000		72.4	48 - 148			
tert-Butylbenzene	44.9400	5.0	0.80	50.0000		89.9	81 - 135			
Tetrachloroethene	50.9000	5.0	0.31	50.0000		102	75 - 127			
Toluene	50.0700	5.0	0.27	50.0000		100	88 - 130			
trans-1,2-Dichloroethene	70.0000	5.0	0.56	50.0000		140	79 - 127			L5
trans-1,3-Dichloropropene	48.8800	5.0	0.59	50.0000		97.8	80 - 130			
Trichloroethene	50.8500	5.0	0.32	50.0000		102	83 - 126			
Trichlorofluoromethane	68.4500	5.0	1.0	50.0000		137	62 - 143			
Vinyl acetate	36.8600	50	6.0	500.000		7.37	69 - 150			MO
Vinyl chloride	61.2000	5.0	0.92	50.0000		122	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*59.12*			*50.0000*		*118*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.83*			*50.0000*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.59*			*50.0000*		*107*	*77 - 159*			
Surrogate: Toluene-d8	*48.47*			*50.0000*		*96.9*	*81 - 128*			
LCS Dup (B2C1029-BSD1)						Prepared: 3/9/2022 Analyzed: 3/9/2022				

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S (continued)										
LCS Dup (B2C1029-BSD1) - Continued					Prepared: 3/9/2022 Analyzed: 3/9/2022					
1,1,1,2-Tetrachloroethane	48.6900	5.0	0.52	50.0000		97.4	84 - 123	3.17	20	
1,1,1-Trichloroethane	56.7200	5.0	0.26	50.0000		113	78 - 133	3.50	20	
1,1,2,2-Tetrachloroethane	43.3100	5.0	0.21	50.0000		86.6	63 - 127	9.61	20	
1,1,2-Trichloroethane	50.8500	5.0	0.40	50.0000		102	80 - 125	6.56	20	
1,1-Dichloroethane	51.8200	5.0	1.4	50.0000		104	77 - 128	3.25	20	
1,1-Dichloroethene	56.3300	5.0	1.9	50.0000		113	69 - 138	1.65	20	
1,1-Dichloropropene	49.9300	5.0	0.54	50.0000		99.9	80 - 133	2.28	20	
1,2,3-Trichloropropane	45.3800	5.0	0.40	50.0000		90.8	74 - 123	3.77	20	
1,2,3-Trichlorobenzene	47.2500	5.0	0.83	50.0000		94.5	79 - 133	4.74	20	
1,2,4-Trichlorobenzene	44.6900	5.0	0.80	50.0000		89.4	73 - 131	2.70	20	
1,2,4-Trimethylbenzene	46.8000	5.0	0.91	50.0000		93.6	86 - 137	2.14	20	
1,2-Dibromo-3-chloropropane	47.0200	10	1.1	50.0000		94.0	62 - 127	9.14	20	
1,2-Dibromoethane	48.8000	5.0	0.40	50.0000		97.6	83 - 126	0.761	20	
1,2-Dichlorobenzene	45.0000	5.0	0.21	50.0000		90.0	83 - 123	3.53	20	
1,2-Dichloroethane	54.3200	5.0	0.50	50.0000		109	76 - 128	2.29	20	
1,2-Dichloropropane	48.7900	5.0	0.46	50.0000		97.6	77 - 121	9.17	20	
1,3,5-Trimethylbenzene	46.0300	5.0	0.70	50.0000		92.1	84 - 135	2.29	20	
1,3-Dichlorobenzene	45.0800	5.0	0.36	50.0000		90.2	81 - 126	2.74	20	
1,3-Dichloropropane	48.5200	5.0	0.49	50.0000		97.0	80 - 118	0.391	20	
1,4-Dichlorobenzene	44.7200	5.0	0.27	50.0000		89.4	80 - 124	0.201	20	
2,2-Dichloropropane	54.5800	5.0	0.28	50.0000		109	72 - 135	2.69	20	
2-Chlorotoluene	44.7700	5.0	0.53	50.0000		89.5	81 - 127	3.27	20	
4-Chlorotoluene	47.6400	5.0	0.40	50.0000		95.3	83 - 127	3.55	20	
4-Isopropyltoluene	46.8200	5.0	0.81	50.0000		93.6	82 - 143	7.03	20	
Benzene	50.8800	5.0	0.36	50.0000		102	84 - 123	1.80	20	
Bromobenzene	47.0100	5.0	0.62	50.0000		94.0	80 - 122	4.84	20	
Bromochloromethane	47.3900	5.0	0.30	50.0000		94.8	83 - 127	6.31	20	
Bromodichloromethane	54.6600	5.0	0.52	50.0000		109	82 - 123	0.864	20	
Bromoform	48.2000	5.0	1.4	50.0000		96.4	80 - 132	1.69	20	
Bromomethane	76.6100	5.0	2.5	50.0000		153	67 - 176	4.02	20	
Carbon disulfide	54.3200	5.0	0.94	50.0000		109	75 - 138	5.34	20	
Carbon tetrachloride	57.5500	5.0	0.73	50.0000		115	76 - 131	6.33	20	
Chlorobenzene	48.5700	5.0	0.42	50.0000		97.1	84 - 119	1.47	20	
Chloroethane	65.8100	5.0	1.5	50.0000		132	56 - 170	1.94	20	
Chloroform	55.9900	5.0	0.24	50.0000		112	78 - 129	1.75	20	
Chloromethane	46.8600	5.0	1.1	50.0000		93.7	63 - 141	1.20	20	
cis-1,2-Dichloroethene	39.3500	5.0	0.20	50.0000		78.7	83 - 125	4.40	20	L3
cis-1,3-Dichloropropene	43.4200	5.0	0.39	50.0000		86.8	76 - 129	1.51	20	
Di-isopropyl ether	48.0000	5.0	1.9	50.0000		96.0	73 - 132	2.42	20	
Dibromochloromethane	49.2800	5.0	0.81	50.0000		98.6	81 - 120	8.44	20	
Dibromomethane	49.4600	5.0	0.23	50.0000		98.9	79 - 124	4.00	20	
Dichlorodifluoromethane	48.6900	5.0	0.14	50.0000		97.4	18 - 199	6.50	20	
Ethyl Acetate	18.4700	50	7.0	500.000		3.69	76 - 138	54.3	20	MO, R
Ethyl Ether	636.320	50	17	500.000		127	74 - 128	2.95	20	
Ethyl tert-butyl ether	46.8800	5.0	0.85	50.0000		93.8	50 - 175	1.44	20	

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1029 - MSVOA_S (continued)										
LCS Dup (B2C1029-BSD1) - Continued						Prepared: 3/9/2022 Analyzed: 3/9/2022				
Ethylbenzene	51.1200	5.0	0.43	50.0000		102	86 - 130	2.54	20	
Freon-113	63.1200	5.0	1.3	50.0000		126	66 - 132	2.43	20	
Hexachlorobutadiene	48.1300	5.0	0.40	50.0000		96.3	64 - 135	2.93	20	
Isopropylbenzene	49.1600	5.0	0.79	50.0000		98.3	80 - 133	7.95	20	
m,p-Xylene	101.660	10	0.98	100.000		102	89 - 133	2.92	20	
Methylene chloride	50.7100	5.0	2.2	50.0000		101	72 - 143	1.43	20	
MTBE	46.6800	5.0	0.81	50.0000		93.4	73 - 136	5.64	20	
n-Butylbenzene	45.9400	5.0	1.2	50.0000		91.9	76 - 144	0.611	20	
n-Propylbenzene	45.2600	5.0	0.78	50.0000		90.5	81 - 136	0.661	20	
Naphthalene	42.4000	5.0	1.1	50.0000		84.8	64 - 128	5.05	20	
o-Xylene	51.0100	5.0	0.67	50.0000		102	82 - 134	3.47	20	
sec-Butylbenzene	46.2400	5.0	0.63	50.0000		92.5	81 - 138	3.70	20	
Styrene	47.9400	5.0	0.45	50.0000		95.9	79 - 152	1.31	20	
tert-Amyl methyl ether	48.5600	5.0	1.1	50.0000		97.1	48 - 166	2.80	20	
tert-Butanol	180.400	100	11	250.000		72.2	48 - 148	0.321	20	
tert-Butylbenzene	45.9000	5.0	0.80	50.0000		91.8	81 - 135	2.11	20	
Tetrachloroethene	49.1000	5.0	0.31	50.0000		98.2	75 - 127	3.60	20	
Toluene	51.4400	5.0	0.27	50.0000		103	88 - 130	2.70	20	
trans-1,2-Dichloroethene	70.2800	5.0	0.56	50.0000		141	79 - 127	0.399	20	L5
trans-1,3-Dichloropropene	47.3900	5.0	0.59	50.0000		94.8	80 - 130	3.10	20	
Trichloroethene	53.2000	5.0	0.32	50.0000		106	83 - 126	4.52	20	
Trichlorofluoromethane	70.5000	5.0	1.0	50.0000		141	62 - 143	2.95	20	
Vinyl acetate	26.1600	50	6.0	500.000		5.23	69 - 150	34.0	20	MO, R
Vinyl chloride	59.7600	5.0	0.92	50.0000		120	69 - 140	2.38	20	
Surrogate: 1,2-Dichloroethane-d4	*59.51*			*50.0000*		*119*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.15*			*50.0000*		*100*	*50 - 146*			
Surrogate: Dibromofluoromethane	*55.45*			*50.0000*		*111*	*77 - 159*			
Surrogate: Toluene-d8	*48.91*			*50.0000*		*97.8*	*81 - 128*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1057 - MSVOA_S										
Blank (B2C1057-BLK1)							Prepared: 3/10/2022 Analyzed: 3/10/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1057 - MSVOA_S (continued)										
Blank (B2C1057-BLK1) - Continued						Prepared: 3/10/2022 Analyzed: 3/10/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*61.81*			*50.0000*		*124*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*46.80*			*50.0000*		*93.6*	*50 - 146*			
Surrogate: Dibromofluoromethane	*56.59*			*50.0000*		*113*	*77 - 159*			
Surrogate: Toluene-d8	*46.40*			*50.0000*		*92.8*	*81 - 128*			
Blank (B2C1057-BLK2)						Prepared: 3/10/2022 Analyzed: 3/10/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1057 - MSVOA_S (continued)										
Blank (B2C1057-BLK2) - Continued							Prepared: 3/10/2022 Analyzed: 3/10/2022			
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1057 - MSVOA_S (continued)										
Blank (B2C1057-BLK2) - Continued						Prepared: 3/10/2022 Analyzed: 3/10/2022				
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*58.67*			*50.0000*		*117*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*46.66*			*50.0000*		*93.3*	*50 - 146*			
Surrogate: Dibromofluoromethane	*49.40*			*50.0000*		*98.8*	*77 - 159*			
Surrogate: Toluene-d8	*47.51*			*50.0000*		*95.0*	*81 - 128*			
LCS (B2C1057-BS1)						Prepared: 3/10/2022 Analyzed: 3/10/2022				
1,1,1,2-Tetrachloroethane	50.1500	5.0	0.52	50.0000		100	84 - 123			
1,1,1-Trichloroethane	54.1800	5.0	0.26	50.0000		108	78 - 133			
1,1,2,2-Tetrachloroethane	44.8500	5.0	0.21	50.0000		89.7	63 - 127			
1,1,2-Trichloroethane	47.2200	5.0	0.40	50.0000		94.4	80 - 125			
1,1-Dichloroethane	49.8700	5.0	1.4	50.0000		99.7	77 - 128			
1,1-Dichloroethene	57.8500	5.0	1.9	50.0000		116	69 - 138			
1,1-Dichloropropene	49.9500	5.0	0.54	50.0000		99.9	80 - 133			
1,2,3-Trichloropropane	46.3800	5.0	0.40	50.0000		92.8	74 - 123			
1,2,3-Trichlorobenzene	47.8900	5.0	0.83	50.0000		95.8	79 - 133			
1,2,4-Trichlorobenzene	45.2100	5.0	0.80	50.0000		90.4	73 - 131			
1,2,4-Trimethylbenzene	47.7500	5.0	0.91	50.0000		95.5	86 - 137			
1,2-Dibromo-3-chloropropane	51.3200	10	1.1	50.0000		103	62 - 127			
1,2-Dibromoethane	49.5800	5.0	0.40	50.0000		99.2	83 - 126			
1,2-Dichlorobenzene	45.2400	5.0	0.21	50.0000		90.5	83 - 123			
1,2-Dichloroethane	55.6700	5.0	0.50	50.0000		111	76 - 128			
1,2-Dichloropropane	45.1700	5.0	0.46	50.0000		90.3	77 - 121			
1,3,5-Trimethylbenzene	47.3500	5.0	0.70	50.0000		94.7	84 - 135			
1,3-Dichlorobenzene	47.1000	5.0	0.36	50.0000		94.2	81 - 126			
1,3-Dichloropropane	46.3400	5.0	0.49	50.0000		92.7	80 - 118			
1,4-Dichlorobenzene	47.2600	5.0	0.27	50.0000		94.5	80 - 124			
2,2-Dichloropropane	53.5400	5.0	0.28	50.0000		107	72 - 135			
2-Chlorotoluene	47.8000	5.0	0.53	50.0000		95.6	81 - 127			
4-Chlorotoluene	48.6600	5.0	0.40	50.0000		97.3	83 - 127			
4-Isopropyltoluene	47.7700	5.0	0.81	50.0000		95.5	82 - 143			
Benzene	49.2700	5.0	0.36	50.0000		98.5	84 - 123			
Bromobenzene	50.2000	5.0	0.62	50.0000		100	80 - 122			
Bromochloromethane	51.2700	5.0	0.30	50.0000		103	83 - 127			
Bromodichloromethane	54.9600	5.0	0.52	50.0000		110	82 - 123			
Bromoform	46.2000	5.0	1.4	50.0000		92.4	80 - 132			
Bromomethane	82.0700	5.0	2.5	50.0000		164	67 - 176			

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1057 - MSVOA_S (continued)										
LCS (B2C1057-BS1) - Continued						Prepared: 3/10/2022 Analyzed: 3/10/2022				
Carbon disulfide	53.7000	5.0	0.94	50.0000		107	75 - 138			
Carbon tetrachloride	50.8500	5.0	0.73	50.0000		102	76 - 131			
Chlorobenzene	48.2500	5.0	0.42	50.0000		96.5	84 - 119			
Chloroethane	62.7500	5.0	1.5	50.0000		126	56 - 170			
Chloroform	56.0700	5.0	0.24	50.0000		112	78 - 129			
Chloromethane	44.6600	5.0	1.1	50.0000		89.3	63 - 141			
cis-1,2-Dichloroethene	37.1300	5.0	0.20	50.0000		74.3	83 - 125			L3
cis-1,3-Dichloropropene	42.0900	5.0	0.39	50.0000		84.2	76 - 129			
Di-isopropyl ether	46.0600	5.0	1.9	50.0000		92.1	73 - 132			
Dibromochloromethane	44.1400	5.0	0.81	50.0000		88.3	81 - 120			
Dibromomethane	47.4900	5.0	0.23	50.0000		95.0	79 - 124			
Dichlorodifluoromethane	47.5700	5.0	0.14	50.0000		95.1	18 - 199			
Ethyl Acetate	25.3700	50	7.0	500.000		5.07	76 - 138			MO
Ethyl Ether	608.890	50	17	500.000		122	74 - 128			
Ethyl tert-butyl ether	45.8200	5.0	0.85	50.0000		91.6	50 - 175			
Ethylbenzene	49.6900	5.0	0.43	50.0000		99.4	86 - 130			
Freon-113	66.7800	5.0	1.3	50.0000		134	66 - 132			L4
Hexachlorobutadiene	49.2400	5.0	0.40	50.0000		98.5	64 - 135			
Isopropylbenzene	49.1000	5.0	0.79	50.0000		98.2	80 - 133			
m,p-Xylene	97.1600	10	0.98	100.000		97.2	89 - 133			
Methylene chloride	47.0100	5.0	2.2	50.0000		94.0	72 - 143			
MTBE	45.7000	5.0	0.81	50.0000		91.4	73 - 136			
n-Butylbenzene	49.0800	5.0	1.2	50.0000		98.2	76 - 144			
n-Propylbenzene	47.5200	5.0	0.78	50.0000		95.0	81 - 136			
Naphthalene	42.9200	5.0	1.1	50.0000		85.8	64 - 128			
o-Xylene	49.0500	5.0	0.67	50.0000		98.1	82 - 134			
sec-Butylbenzene	47.3100	5.0	0.63	50.0000		94.6	81 - 138			
Styrene	44.4400	5.0	0.45	50.0000		88.9	79 - 152			
tert-Amyl methyl ether	47.6900	5.0	1.1	50.0000		95.4	48 - 166			
tert-Butanol	169.640	100	11	250.000		67.9	48 - 148			
tert-Butylbenzene	46.7100	5.0	0.80	50.0000		93.4	81 - 135			
Tetrachloroethene	46.8400	5.0	0.31	50.0000		93.7	75 - 127			
Toluene	49.6400	5.0	0.27	50.0000		99.3	88 - 130			
trans-1,2-Dichloroethene	68.9300	5.0	0.56	50.0000		138	79 - 127			L5
trans-1,3-Dichloropropene	46.1200	5.0	0.59	50.0000		92.2	80 - 130			
Trichloroethene	47.7500	5.0	0.32	50.0000		95.5	83 - 126			
Trichlorofluoromethane	66.5600	5.0	1.0	50.0000		133	62 - 143			
Vinyl acetate	30.3200	50	6.0	500.000		6.06	69 - 150			MO
Vinyl chloride	57.1800	5.0	0.92	50.0000		114	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*56.99*			*50.0000*		*114*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.14*			*50.0000*		*96.3*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.27*			*50.0000*		*103*	*77 - 159*			
Surrogate: Toluene-d8	*47.62*			*50.0000*		*95.2*	*81 - 128*			
LCS Dup (B2C1057-BSD1)						Prepared: 3/10/2022 Analyzed: 3/10/2022				

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1057 - MSVOA_S (continued)										
LCS Dup (B2C1057-BSD1) - Continued					Prepared: 3/10/2022 Analyzed: 3/10/2022					
1,1,1,2-Tetrachloroethane	47.4800	5.0	0.52	50.0000		95.0	84 - 123	5.47	20	
1,1,1-Trichloroethane	52.9900	5.0	0.26	50.0000		106	78 - 133	2.22	20	
1,1,2,2-Tetrachloroethane	46.3100	5.0	0.21	50.0000		92.6	63 - 127	3.20	20	
1,1,2-Trichloroethane	51.0300	5.0	0.40	50.0000		102	80 - 125	7.76	20	
1,1-Dichloroethane	50.4900	5.0	1.4	50.0000		101	77 - 128	1.24	20	
1,1-Dichloroethene	54.4700	5.0	1.9	50.0000		109	69 - 138	6.02	20	
1,1-Dichloropropene	47.4400	5.0	0.54	50.0000		94.9	80 - 133	5.15	20	
1,2,3-Trichloropropane	47.8700	5.0	0.40	50.0000		95.7	74 - 123	3.16	20	
1,2,3-Trichlorobenzene	48.9400	5.0	0.83	50.0000		97.9	79 - 133	2.17	20	
1,2,4-Trichlorobenzene	45.4500	5.0	0.80	50.0000		90.9	73 - 131	0.529	20	
1,2,4-Trimethylbenzene	47.7400	5.0	0.91	50.0000		95.5	86 - 137	0.0209	20	
1,2-Dibromo-3-chloropropane	44.6900	10	1.1	50.0000		89.4	62 - 127	13.8	20	
1,2-Dibromoethane	49.8600	5.0	0.40	50.0000		99.7	83 - 126	0.563	20	
1,2-Dichlorobenzene	45.5800	5.0	0.21	50.0000		91.2	83 - 123	0.749	20	
1,2-Dichloroethane	57.6800	5.0	0.50	50.0000		115	76 - 128	3.55	20	
1,2-Dichloropropane	49.6700	5.0	0.46	50.0000		99.3	77 - 121	9.49	20	
1,3,5-Trimethylbenzene	47.2400	5.0	0.70	50.0000		94.5	84 - 135	0.233	20	
1,3-Dichlorobenzene	45.7600	5.0	0.36	50.0000		91.5	81 - 126	2.89	20	
1,3-Dichloropropane	45.4700	5.0	0.49	50.0000		90.9	80 - 118	1.90	20	
1,4-Dichlorobenzene	46.8000	5.0	0.27	50.0000		93.6	80 - 124	0.978	20	
2,2-Dichloropropane	51.7100	5.0	0.28	50.0000		103	72 - 135	3.48	20	
2-Chlorotoluene	48.5100	5.0	0.53	50.0000		97.0	81 - 127	1.47	20	
4-Chlorotoluene	49.6400	5.0	0.40	50.0000		99.3	83 - 127	1.99	20	
4-Isopropyltoluene	46.1600	5.0	0.81	50.0000		92.3	82 - 143	3.43	20	
Benzene	49.9500	5.0	0.36	50.0000		99.9	84 - 123	1.37	20	
Bromobenzene	48.9400	5.0	0.62	50.0000		97.9	80 - 122	2.54	20	
Bromochloromethane	48.3100	5.0	0.30	50.0000		96.6	83 - 127	5.94	20	
Bromodichloromethane	56.7600	5.0	0.52	50.0000		114	82 - 123	3.22	20	
Bromoform	45.4500	5.0	1.4	50.0000		90.9	80 - 132	1.64	20	
Bromomethane	75.0900	5.0	2.5	50.0000		150	67 - 176	8.88	20	
Carbon disulfide	53.4600	5.0	0.94	50.0000		107	75 - 138	0.448	20	
Carbon tetrachloride	53.3800	5.0	0.73	50.0000		107	76 - 131	4.85	20	
Chlorobenzene	44.9400	5.0	0.42	50.0000		89.9	84 - 119	7.10	20	
Chloroethane	60.1500	5.0	1.5	50.0000		120	56 - 170	4.23	20	
Chloroform	55.1700	5.0	0.24	50.0000		110	78 - 129	1.62	20	
Chloromethane	43.7300	5.0	1.1	50.0000		87.5	63 - 141	2.10	20	
cis-1,2-Dichloroethene	39.2700	5.0	0.20	50.0000		78.5	83 - 125	5.60	20	L3
cis-1,3-Dichloropropene	42.9100	5.0	0.39	50.0000		85.8	76 - 129	1.93	20	
Di-isopropyl ether	47.3800	5.0	1.9	50.0000		94.8	73 - 132	2.83	20	
Dibromochloromethane	44.7700	5.0	0.81	50.0000		89.5	81 - 120	1.42	20	
Dibromomethane	49.4000	5.0	0.23	50.0000		98.8	79 - 124	3.94	20	
Dichlorodifluoromethane	46.6400	5.0	0.14	50.0000		93.3	18 - 199	1.97	20	
Ethyl Acetate	15.5300	50	7.0	500.000		3.11	76 - 138	48.1	20	MO, R
Ethyl Ether	609.970	50	17	500.000		122	74 - 128	0.177	20	
Ethyl tert-butyl ether	45.7300	5.0	0.85	50.0000		91.5	50 - 175	0.197	20	

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1057 - MSVOA_S (continued)										
LCS Dup (B2C1057-BSD1) - Continued						Prepared: 3/10/2022 Analyzed: 3/10/2022				
Ethylbenzene	48.5200	5.0	0.43	50.0000		97.0	86 - 130	2.38	20	
Freon-113	61.7000	5.0	1.3	50.0000		123	66 - 132	7.91	20	
Hexachlorobutadiene	49.8100	5.0	0.40	50.0000		99.6	64 - 135	1.15	20	
Isopropylbenzene	48.3300	5.0	0.79	50.0000		96.7	80 - 133	1.58	20	
m,p-Xylene	95.4100	10	0.98	100.000		95.4	89 - 133	1.82	20	
Methylene chloride	48.0600	5.0	2.2	50.0000		96.1	72 - 143	2.21	20	
MTBE	47.0600	5.0	0.81	50.0000		94.1	73 - 136	2.93	20	
n-Butylbenzene	47.0900	5.0	1.2	50.0000		94.2	76 - 144	4.14	20	
n-Propylbenzene	47.8300	5.0	0.78	50.0000		95.7	81 - 136	0.650	20	
Naphthalene	42.8400	5.0	1.1	50.0000		85.7	64 - 128	0.187	20	
o-Xylene	46.6800	5.0	0.67	50.0000		93.4	82 - 134	4.95	20	
sec-Butylbenzene	47.3500	5.0	0.63	50.0000		94.7	81 - 138	0.0845	20	
Styrene	45.0900	5.0	0.45	50.0000		90.2	79 - 152	1.45	20	
tert-Amyl methyl ether	46.3300	5.0	1.1	50.0000		92.7	48 - 166	2.89	20	
tert-Butanol	171.310	100	11	250.000		68.5	48 - 148	0.980	20	
tert-Butylbenzene	45.1800	5.0	0.80	50.0000		90.4	81 - 135	3.33	20	
Tetrachloroethene	45.1500	5.0	0.31	50.0000		90.3	75 - 127	3.67	20	
Toluene	51.1700	5.0	0.27	50.0000		102	88 - 130	3.04	20	
trans-1,2-Dichloroethene	67.4100	5.0	0.56	50.0000		135	79 - 127	2.23	20	L4
trans-1,3-Dichloropropene	48.4800	5.0	0.59	50.0000		97.0	80 - 130	4.99	20	
Trichloroethene	51.4300	5.0	0.32	50.0000		103	83 - 126	7.42	20	
Trichlorofluoromethane	61.6200	5.0	1.0	50.0000		123	62 - 143	7.71	20	
Vinyl acetate	27.1100	50	6.0	500.000		5.42	69 - 150	11.2	20	MO
Vinyl chloride	57.4600	5.0	0.92	50.0000		115	69 - 140	0.488	20	
Surrogate: 1,2-Dichloroethane-d4	*62.36*			*50.0000*		*125*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.96*			*50.0000*		*97.9*	*50 - 146*			
Surrogate: Dibromofluoromethane	*55.34*			*50.0000*		*111*	*77 - 159*			
Surrogate: Toluene-d8	*51.36*			*50.0000*		*103*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/3/22

Page 1 of 1

2200288

2.4°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) JCV, JHN
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	SV-12-1	3/3/22	0755	soil	1	1			X							X	X	
2	SV-12-5.5	3/3/22	0805	soil	5	1	4			X	X	X						
3	SV-12-15	3/3/22	0820	soil	5	1	4			X	X	X						
4	SV-11-1		0900		1	1			X									
5	SV-11-5.5		0910		5	1	4			X	X	X						
6	SV-11-16.5		0930		5	1	4			X	X	X						
7	SV-13-1		1055		1	1			X							X	X	
8	SV-13-5.5		1110		5	1	4			X	X	X						
9	SV-13-15		1115		5	1	4			X	X	X						
10	68-2-3-1		1235		1	1			X									
11	68-2-3-5.5		1250		5	1	4			X	X	X						
12	68-20-1-1		1410		1	1			X									
13	68-20-1-5.5		1420		5	1	4			X	X	X		X				
14	TB-20220303	3/3/22	1440	water	4		4											X

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/3/22	Time: 1515
Relinquished by: (Signature) 16:57	Received by: (Signature) Ethan Tran	Date: 3/3/22	Time: 16:57
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: March 14, 2022

Mr. Jerald Ancheta
Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Tel:(562)989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

Project: **Work Order 2200288**
Lab I.D.: **220307-9, -10**

Dear Mr. Ancheta:

The **analytical results** for the soil samples, received by our lab on March 7, 2022, are attached. The samples were received chilled, intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President

Pearl Wong
Quality Manager

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or Manager's Designee, as verified by the above signature which applies to this PDS File as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of ELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced Technology Laboratories**
3275 Walnut Avenue, Signal Hill, CA 90755
Tel: (562) 989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

PROJECT: **Work Order: 2200288**

MATRIX: SOIL
DATE SAMPLED: 03/03/22
REPORT TO: MR. JERALD ANCHETA

DATE RECEIVED: 03/07/22
DATE EXTRACTED: 03/09-10/22
DATE ANALYZED: 03/10/22
DATE REPORTED: 03/14/22

SAMPLE I.D.: **ATL Lab#: 2200288-01 / SV-12-1**
LAB I.D.: 220307-9

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced Technology Laboratories**
3275 Walnut Avenue, Signal Hill, CA 90755
Tel: (562) 989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

PROJECT: **Work Order: 2200288**

MATRIX: SOIL
DATE SAMPLED: 03/03/22
REPORT TO: MR. JERALD ANCHETA

DATE RECEIVED: 03/07/22
DATE EXTRACTED: 03/09-10/22
DATE ANALYZED: 03/10/22
DATE REPORTED: 03/14/22

SAMPLE I.D.: **ATL Lab#: 2200288-07 / SV-13-1**
LAB I.D.: 220307-10

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Advanced Technology Laboratories**
3275 Walnut Avenue, Signal Hill, CA 90755
Tel:(562)989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

PROJECT: **Work Order: 2200288**

MATRIX:SOIL
DATE SAMPLED:03/03/22
REPORT TO:MR. JERALD ANCHETA

DATE RECEIVED:03/07/22
DATE EXTRACTED:03/09-10/22
DATE ANALYZED:03/10/22
DATE REPORTED:03/14/22

METHOD BLANK FOR LAB I.D.: 220307-9, -10

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid** Date Analyzed: **3/10~11/2022**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 220307-10 MS/MSD

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.050	0.050	**100%**	0.057	**114%**	**13%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.050	0.043	**86%**	70-130
2,4,5-TP	0.050	0.052	**105%**	70-130
Dinoseb	0.250	0.260	**104%**	70-130

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	220307-9	220307-10	220308-28			
DCAA	50-150	104%	98%	103%	124%			

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:								
DCAA	50-150							

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:								
DCAA	50-150							

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: Amy

Final Reviewer: _____

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 2200288

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Jerald Ancheta
(Jerald.Ancheta@atlglobal.com)
Sampler: _Client Sampler

RECEIVING LABORATORY:

Enviro-Chem, Inc.
1214 East Lexington Avenue
Pomona, CA 91766
Phone :(909) 590-5905
Fax:
PO#: SC16069

IMPORTANT : Please 'J-Flag' results to MDL. Please include Work Order # and PO # in your invoice.

QC Requirements:
- [x] Routine
- [ ] Caltrans
- [ ] DUP
- [ ] MS/MSD
- [ ] Level IV*
- [ ] Other: _____

TAT Requirements:
- [x] Standard
- [ ] Rush _____ Days
- [ ] Fastest Possible

EDD Requirements:
- [ ] Standard Excel
- [ ] Geotracker EDF
- [ ] EQuis
- [ ] Other: _____

* All Level IV sample containers (including empty ones) must be returned to ATL 30 days after receipt.

Analysis		Expires	Sampled	Comments
ATL Lab#: 2200288-01 8151_SUB [Chlorinated Herbicides]	**/ SV-12-1** 220307-9	**Soil** 03/17/22 07:55	**03/03/22 07:55** Glass Jar - 2 oz	
ATL Lab#: 2200288-07 8151_SUB [Chlorinated Herbicides]	**/ SV-13-1** -10 2OZ/IV	**Soil** 03/17/22 10:55	**03/03/22 10:55** Glass Jar - 2 oz	

Prepared by: _____ 3/4/22
Sample Control Technician — Date

Inspected by: _____ 3/4/22
PM Lead / SC Lead — Date

Approved by: Victoria Wichup 03/04/2022
Dedicated ATL Project Manager — Date

_____	3/7/22	10:25	_____		
Released By ATL Sample Control	Date	Time	Received By Courier	Date	Time
_____			_____	03/07/22	1025
Released By Courier	Date	Time	Received By Subcontract Laboratory	Date	Time
_____	03/07/22	1350	_____	3/7/22	1350
Released By	Date	Time	Received By	Date	Time

C:\PROGRAM FILES (X86)\PROMIUM\ELEMENT\PRINT\SCO_ATL(A.10).NEW.RPT

May 12, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

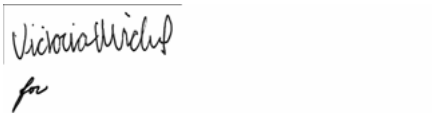
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200301
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 04, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,



Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 05/12/22 15:39 on Behalf of



Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-1-1-1	2200301-01	Soil	3/04/22 8:10	3/04/22 19:07
61W-1-1-6	2200301-02	Soil	3/04/22 8:45	3/04/22 19:07
61W-1-2-1	2200301-03	Soil	3/04/22 9:10	3/04/22 19:07
61W-1-2-6	2200301-04	Soil	3/04/22 9:25	3/04/22 19:07
61W-1-2-15	2200301-05	Soil	3/04/22 9:30	3/04/22 19:07
61W-1-3-1	2200301-06	Soil	3/04/22 10:10	3/04/22 19:07
61W-1-3-6	2200301-07	Soil	3/04/22 10:30	3/04/22 19:07
61W-1-4-1	2200301-08	Soil	3/04/22 10:45	3/04/22 19:07
61W-1-4-6	2200301-09	Soil	3/04/22 11:00	3/04/22 19:07
61W-1-5-1	2200301-10	Soil	3/04/22 11:25	3/04/22 19:07
61W-1-5-6	2200301-11	Soil	3/04/22 11:40	3/04/22 19:07
61W-1-8-1	2200301-12	Soil	3/04/22 12:10	3/04/22 19:07
61W-1-8-6	2200301-13	Soil	3/04/22 12:20	3/04/22 19:07
61W-1-7-1	2200301-14	Soil	3/04/22 13:20	3/04/22 19:07
61W-1-7-5.5	2200301-15	Soil	3/04/22 13:30	3/04/22 19:07
61W-1-7-13	2200301-16	Soil	3/04/22 13:50	3/04/22 19:07
TB-20220304	2200301-17	Water	3/04/22 14:00	3/04/22 19:07

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Notes and Definitions

S10	Surrogate recovery was outside of laboratory acceptance limit due to possible matrix interference.
S1	Surrogate recovery was above laboratory acceptance limit. No associated target analyte was detected in the sample.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
B6	Associated method blank above PQL, analyte non-detected. Therefore, reanalysis is not necessary.
B	Analyte detected in the associated method blank above the PQL.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200301-01	61W-1-1-1	**ND**	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22 16:10	
2200301-03	61W-1-2-1	**ND**	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22 16:14	
2200301-06	61W-1-3-1	**ND**	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22 16:24	
2200301-08	61W-1-4-1	**ND**	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22 16:27	
2200301-10	61W-1-5-1	**ND**	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22 16:31	
2200301-12	61W-1-8-1	**ND**	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22 16:34	
2200301-14	61W-1-7-1	**ND**	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22 16:37	

Client Sample ID: 61W-1-1-1
Lab ID: 2200301-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Arsenic	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Barium	**70**	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Beryllium	**1.6**	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Cadmium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Chromium	**11**	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Cobalt	**4.1**	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Copper	**7.9**	2.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Lead	**4.0**	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Molybdenum	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Nickel	**4.6**	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Selenium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Silver	**2.8**	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Thallium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Vanadium	**23**	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	
Zinc	**33**	1.0	1	B2C0975	03/07/2022	03/07/22 16:39	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-1-6
Lab ID: 2200301-02

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/07/22 23:39	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/07/22 23:39	
Surrogate: p-Terphenyl	*134 %*	*62 - 141*		B2C0986	03/07/2022	*03/07/22 23:39*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,1,1-Trichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,1,2-Trichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,1-Dichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,1-Dichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,1-Dichloropropene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2,3-Trichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2-Dibromoethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2-Dichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2-Dichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2-Dichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,3-Dichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,3-Dichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,4-Dichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
2,2-Dichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
2-Chlorotoluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
4-Chlorotoluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
4-Isopropyltoluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Benzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Bromobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Bromochloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Bromodichloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Bromoform	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Bromomethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Carbon disulfide	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-1-6

Lab ID: 2200301-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Chlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Chloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Chloroform	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Chloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Di-isopropyl ether	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Dibromochloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Dibromomethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Dichlorodifluoromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Ethyl Acetate	ND	44	1	B2C1079	03/11/2022	03/11/22 12:26	
Ethyl Ether	ND	44	1	B2C1079	03/11/2022	03/11/22 12:26	
Ethyl tert-butyl ether	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Ethylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Freon-113	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Hexachlorobutadiene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Isopropylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
m,p-Xylene	ND	8.8	1	B2C1079	03/11/2022	03/11/22 12:26	
Methylene chloride	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
MTBE	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
n-Butylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
n-Propylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Naphthalene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
o-Xylene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
sec-Butylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Styrene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
tert-Amyl methyl ether	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
tert-Butanol	ND	88	1	B2C1079	03/11/2022	03/11/22 12:26	
tert-Butylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Tetrachloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Toluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Trichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Trichlorofluoromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Vinyl acetate	ND	44	1	B2C1079	03/11/2022	03/11/22 12:26	
Vinyl chloride	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Surrogate: 1,2-Dichloroethane-d4	*115 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 12:26*	
Surrogate: 4-Bromofluorobenzene	*99.0 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 12:26*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-1-6
Lab ID: 2200301-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*108 %*	*77 - 159*		B2C1079	03/11/2022	*03/11/22 12:26*	
Surrogate: Toluene-d8	*97.5 %*	*81 - 128*		B2C1079	03/11/2022	*03/11/22 12:26*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.95	1	B2C1113	03/13/2022	03/13/22 05:43	
Surrogate: 4-Bromofluorobenzene	*87.1 %*	*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 05:43*	

Client Sample ID: 61W-1-2-1
Lab ID: 2200301-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Arsenic	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Barium	**72**	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Beryllium	**1.5**	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Cadmium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Chromium	**11**	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Cobalt	**4.1**	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Copper	**8.0**	2.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Lead	**3.5**	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Molybdenum	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Nickel	**4.5**	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Selenium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Silver	**2.7**	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Thallium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Vanadium	**22**	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Zinc	**31**	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-2-6
Lab ID: 2200301-04

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 00:01	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 00:01	
Surrogate: p-Terphenyl	*162 %*	*62 - 141*		B2C0986	03/07/2022	*03/08/22 00:01*	S1

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,1,1-Trichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,1,2-Trichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,1-Dichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,1-Dichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,1-Dichloropropene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2,3-Trichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2-Dibromo-3-chloropropane	ND	9.7	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2-Dibromoethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2-Dichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2-Dichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2-Dichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,3-Dichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,3-Dichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,4-Dichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
2,2-Dichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
2-Chlorotoluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
4-Chlorotoluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
4-Isopropyltoluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Benzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Bromobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Bromochloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Bromodichloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Bromoform	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Bromomethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Carbon disulfide	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-2-6

Lab ID: 2200301-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Chlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Chloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Chloroform	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Chloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
cis-1,2-Dichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
cis-1,3-Dichloropropene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Di-isopropyl ether	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Dibromochloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Dibromomethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Dichlorodifluoromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Ethyl Acetate	ND	49	1	B2C1079	03/11/2022	03/11/22 12:50	
Ethyl Ether	ND	49	1	B2C1079	03/11/2022	03/11/22 12:50	
Ethyl tert-butyl ether	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Ethylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Freon-113	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Hexachlorobutadiene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Isopropylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
m,p-Xylene	ND	9.7	1	B2C1079	03/11/2022	03/11/22 12:50	
Methylene chloride	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
MTBE	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
n-Butylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
n-Propylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Naphthalene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
o-Xylene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
sec-Butylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Styrene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
tert-Amyl methyl ether	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
tert-Butanol	ND	97	1	B2C1079	03/11/2022	03/11/22 12:50	
tert-Butylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Tetrachloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Toluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
trans-1,2-Dichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
trans-1,3-Dichloropropene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Trichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Trichlorofluoromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Vinyl acetate	ND	49	1	B2C1079	03/11/2022	03/11/22 12:50	
Vinyl chloride	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Surrogate: 1,2-Dichloroethane-d4	*115 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 12:50*	
Surrogate: 4-Bromofluorobenzene	*104 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 12:50*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-2-6

Lab ID: 2200301-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*110 %*	*77 - 159*		B2C1079	03/11/2022	*03/11/22 12:50*	
Surrogate: Toluene-d8	*102 %*	*81 - 128*		B2C1079	03/11/2022	*03/11/22 12:50*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.2	1	B2C1113	03/13/2022	03/13/22 06:07	
Surrogate: 4-Bromofluorobenzene	*89.7 %*	*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 06:07*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-2-15
Lab ID: 2200301-05

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 00:22	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 00:22	
Surrogate: p-Terphenyl	*162 %*	*62 - 141*		B2C0986	03/07/2022	*03/08/22 00:22*	S1

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,1,1-Trichloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,1,2-Trichloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,1-Dichloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,1-Dichloroethene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,1-Dichloropropene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2,3-Trichloropropane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2,3-Trichlorobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2,4-Trichlorobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2,4-Trimethylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2-Dibromoethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2-Dichlorobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2-Dichloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2-Dichloropropane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,3,5-Trimethylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,3-Dichlorobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,3-Dichloropropane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,4-Dichlorobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
2,2-Dichloropropane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
2-Chlorotoluene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
4-Chlorotoluene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
4-Isopropyltoluene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Benzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Bromobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Bromochloromethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Bromodichloromethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Bromoform	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Bromomethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Carbon disulfide	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-2-15
Lab ID: 2200301-05

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Chlorobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Chloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Chloroform	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Chloromethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
cis-1,2-Dichloroethene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
cis-1,3-Dichloropropene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Di-isopropyl ether	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Dibromochloromethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Dibromomethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Dichlorodifluoromethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Ethyl Acetate	ND	50	1	B2C1079	03/11/2022	03/11/22 13:15	
Ethyl Ether	ND	50	1	B2C1079	03/11/2022	03/11/22 13:15	
Ethyl tert-butyl ether	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Ethylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Freon-113	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Hexachlorobutadiene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Isopropylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
m,p-Xylene	ND	10	1	B2C1079	03/11/2022	03/11/22 13:15	
Methylene chloride	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
MTBE	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
n-Butylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
n-Propylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Naphthalene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
o-Xylene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
sec-Butylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Styrene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
tert-Amyl methyl ether	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
tert-Butanol	ND	100	1	B2C1079	03/11/2022	03/11/22 13:15	
tert-Butylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Tetrachloroethene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Toluene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
trans-1,2-Dichloroethene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
trans-1,3-Dichloropropene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Trichloroethene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Trichlorofluoromethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Vinyl acetate	ND	50	1	B2C1079	03/11/2022	03/11/22 13:15	
Vinyl chloride	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Surrogate: 1,2-Dichloroethane-d4	*120 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 13:15*	
Surrogate: 4-Bromofluorobenzene	*99.7 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 13:15*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-2-15
Lab ID: 2200301-05

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*109 %*	*77 - 159*		B2C1079	03/11/2022	*03/11/22 13:15*	
Surrogate: Toluene-d8	*100 %*	*81 - 128*		B2C1079	03/11/2022	*03/11/22 13:15*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C1113	03/13/2022	03/13/22 06:32	
Surrogate: 4-Bromofluorobenzene	*90.5 %*	*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 06:32*	

Client Sample ID: 61W-1-3-1
Lab ID: 2200301-06

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Arsenic	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Barium	**70**	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Beryllium	**1.7**	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Cadmium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Chromium	**11**	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Cobalt	**4.4**	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Copper	**10**	2.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Lead	**4.1**	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Molybdenum	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Nickel	**4.8**	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Selenium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Silver	**3.1**	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Thallium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Vanadium	**22**	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	
Zinc	**34**	1.0	1	B2C0975	03/07/2022	03/07/22 16:43	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-3-6
Lab ID: 2200301-07

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 00:43	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 00:43	
Surrogate: p-Terphenyl	*203 %*	*62 - 141*		B2C0986	03/07/2022	*03/08/22 00:43*	S1

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,1,1-Trichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,1,2-Trichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,1-Dichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,1-Dichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,1-Dichloropropene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2,3-Trichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2-Dibromo-3-chloropropane	ND	9.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2-Dibromoethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2-Dichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2-Dichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2-Dichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,3-Dichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,3-Dichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,4-Dichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
2,2-Dichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
2-Chlorotoluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
4-Chlorotoluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
4-Isopropyltoluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Benzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Bromobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Bromochloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Bromodichloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Bromoform	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Bromomethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Carbon disulfide	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-3-6

Lab ID: 2200301-07

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Chlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Chloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Chloroform	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Chloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
cis-1,2-Dichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
cis-1,3-Dichloropropene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Di-isopropyl ether	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Dibromochloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Dibromomethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Dichlorodifluoromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Ethyl Acetate	ND	49	1	B2C1079	03/11/2022	03/11/22 13:40	
Ethyl Ether	ND	49	1	B2C1079	03/11/2022	03/11/22 13:40	
Ethyl tert-butyl ether	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Ethylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Freon-113	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Hexachlorobutadiene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Isopropylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
m,p-Xylene	ND	9.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Methylene chloride	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
MTBE	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
n-Butylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
n-Propylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Naphthalene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
o-Xylene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
sec-Butylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Styrene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
tert-Amyl methyl ether	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
tert-Butanol	ND	99	1	B2C1079	03/11/2022	03/11/22 13:40	
tert-Butylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Tetrachloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Toluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
trans-1,2-Dichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
trans-1,3-Dichloropropene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Trichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Trichlorofluoromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Vinyl acetate	ND	49	1	B2C1079	03/11/2022	03/11/22 13:40	
Vinyl chloride	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 13:40*	
Surrogate: 4-Bromofluorobenzene	*104 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 13:40*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-3-6
Lab ID: 2200301-07

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*112 %*	*77 - 159*		B2C1079	03/11/2022	*03/11/22 13:40*	
Surrogate: Toluene-d8	*101 %*	*81 - 128*		B2C1079	03/11/2022	*03/11/22 13:40*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1113	03/13/2022	03/13/22 06:56	
Surrogate: 4-Bromofluorobenzene	*88.2 %*	*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 06:56*	

Client Sample ID: 61W-1-4-1
Lab ID: 2200301-08

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Barium	**91**	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Beryllium	**2.4**	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Chromium	**14**	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Cobalt	**5.1**	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Copper	**10**	2.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Lead	**3.9**	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Nickel	**5.9**	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Selenium	**3.1**	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Silver	**4.8**	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Vanadium	**30**	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Zinc	**38**	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-4-6

Lab ID: 2200301-09

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 01:05	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 01:05	
Surrogate: p-Terphenyl	*148 %*	*62 - 141*		B2C0986	03/07/2022	*03/08/22 01:05*	S1

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,1,1-Trichloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,1,2,2-Tetrachloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,1,2-Trichloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,1-Dichloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,1-Dichloroethene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,1-Dichloropropene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2,3-Trichloropropane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2,3-Trichlorobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2,4-Trichlorobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2,4-Trimethylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2-Dibromo-3-chloropropane	ND	9.7	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2-Dibromoethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2-Dichlorobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2-Dichloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2-Dichloropropane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,3,5-Trimethylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,3-Dichlorobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,3-Dichloropropane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,4-Dichlorobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
2,2-Dichloropropane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
2-Chlorotoluene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
4-Chlorotoluene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
4-Isopropyltoluene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Benzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Bromobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Bromochloromethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Bromodichloromethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Bromoform	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Bromomethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Carbon disulfide	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-4-6

Lab ID: 2200301-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Chlorobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Chloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Chloroform	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Chloromethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
cis-1,2-Dichloroethene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
cis-1,3-Dichloropropene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Di-isopropyl ether	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Dibromochloromethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Dibromomethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Dichlorodifluoromethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Ethyl Acetate	ND	48	1	B2C1079	03/11/2022	03/11/22 14:04	
Ethyl Ether	ND	48	1	B2C1079	03/11/2022	03/11/22 14:04	
Ethyl tert-butyl ether	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Ethylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Freon-113	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Hexachlorobutadiene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Isopropylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
m,p-Xylene	ND	9.7	1	B2C1079	03/11/2022	03/11/22 14:04	
Methylene chloride	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
MTBE	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
n-Butylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
n-Propylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Naphthalene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
o-Xylene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
sec-Butylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Styrene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
tert-Amyl methyl ether	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
tert-Butanol	ND	97	1	B2C1079	03/11/2022	03/11/22 14:04	
tert-Butylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Tetrachloroethene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Toluene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
trans-1,2-Dichloroethene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
trans-1,3-Dichloropropene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Trichloroethene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Trichlorofluoromethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Vinyl acetate	ND	48	1	B2C1079	03/11/2022	03/11/22 14:04	
Vinyl chloride	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Surrogate: 1,2-Dichloroethane-d4	*122 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 14:04*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 14:04*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-4-6
Lab ID: 2200301-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*114 %*	*77 - 159*		B2C1079	03/11/2022	*03/11/22 14:04*	
Surrogate: Toluene-d8	*100 %*	*81 - 128*		B2C1079	03/11/2022	*03/11/22 14:04*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1113	03/13/2022	03/13/22 07:21	
Surrogate: 4-Bromofluorobenzene	*89.2 %*	*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 07:21*	

Client Sample ID: 61W-1-5-1
Lab ID: 2200301-10

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Barium	**92**	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Beryllium	**2.7**	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Chromium	**15**	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Cobalt	**5.9**	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Copper	**12**	2.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Lead	**3.5**	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Nickel	**6.4**	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Selenium	**1.8**	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Silver	**5.4**	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Vanadium	**34**	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Zinc	**40**	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-5-6

Lab ID: 2200301-11

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 01:25	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 01:25	
Surrogate: p-Terphenyl	*179 %*	*62 - 141*		B2C0986	03/07/2022	*03/08/22 01:25*	S1

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,1,1-Trichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,1,2-Trichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,1-Dichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,1-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,1-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2,3-Trichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2-Dibromoethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2-Dichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,3-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,3-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,4-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
2,2-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
2-Chlorotoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
4-Chlorotoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
4-Isopropyltoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Benzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Bromobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Bromochloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Bromodichloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Bromoform	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Bromomethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Carbon disulfide	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-5-6

Lab ID: 2200301-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Chlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Chloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Chloroform	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Chloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Di-isopropyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Dibromochloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Dibromomethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Dichlorodifluoromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Ethyl Acetate	ND	46	1	B2C1079	03/11/2022	03/11/22 14:29	
Ethyl Ether	ND	46	1	B2C1079	03/11/2022	03/11/22 14:29	
Ethyl tert-butyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Ethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Freon-113	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Hexachlorobutadiene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Isopropylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
m,p-Xylene	ND	9.1	1	B2C1079	03/11/2022	03/11/22 14:29	
Methylene chloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
MTBE	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
n-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
n-Propylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Naphthalene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
o-Xylene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
sec-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Styrene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
tert-Amyl methyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
tert-Butanol	ND	91	1	B2C1079	03/11/2022	03/11/22 14:29	
tert-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Tetrachloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Toluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Trichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Trichlorofluoromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Vinyl acetate	ND	46	1	B2C1079	03/11/2022	03/11/22 14:29	
Vinyl chloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Surrogate: 1,2-Dichloroethane-d4	*118 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 14:29*	
Surrogate: 4-Bromofluorobenzene	*99.4 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 14:29*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-5-6

Lab ID: 2200301-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*109 %*		*77 - 159*		B2C1079	03/11/2022	*03/11/22 14:29*	
Surrogate: Toluene-d8	*100 %*		*81 - 128*		B2C1079	03/11/2022	*03/11/22 14:29*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.92	1	B2C1113	03/13/2022	03/13/22 07:45	
Surrogate: 4-Bromofluorobenzene	*87.8 %*		*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 07:45*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-8-1

Lab ID: 2200301-12

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Barium	**80**	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Beryllium	**2.4**	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Chromium	**13**	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Cobalt	**4.8**	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Copper	**9.5**	2.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Lead	**3.6**	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Nickel	**5.5**	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Selenium	**1.6**	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Silver	**4.8**	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Vanadium	**29**	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Zinc	**35**	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	

Organochlorine Pesticides by EPA 8081A — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
4,4´-DDE	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
4,4´-DDT	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Aldrin	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
alpha-BHC	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
alpha-Chlordane	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
beta-BHC	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Chlordane	ND	8.5	1	B2C0990	03/07/2022	03/07/22 20:17	
delta-BHC	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Dieldrin	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Endosulfan I	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Endosulfan II	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Endosulfan sulfate	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Endrin	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Endrin aldehyde	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Endrin ketone	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
gamma-BHC	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
gamma-Chlordane	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-8-1

Lab ID: 2200301-12

Organochlorine Pesticides by EPA 8081A **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Heptachlor		ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Heptachlor epoxide		ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Methoxychlor		ND	5.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Toxaphene		ND	50	1	B2C0990	03/07/2022	03/07/22 20:17	
Surrogate: Decachlorobiphenyl	*56.1 %*		*0 - 97*		B2C0990	03/07/2022	*03/07/22 20:17*	
Surrogate: Tetrachloro-m-xylene	*51.4 %*		*3 - 78*		B2C0990	03/07/2022	*03/07/22 20:17*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-8-6

Lab ID: 2200301-13

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Acenaphthene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Acenaphthylene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Anthracene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Benzo(a)anthracene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Benzo(a)pyrene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Benzo(b)fluoranthene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Benzo(g,h,i)perylene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Benzo(k)fluoranthene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Chrysene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Dibenz(a,h)anthracene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Fluoranthene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Fluorene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Naphthalene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Phenanthrene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Pyrene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Surrogate: 1,2-Dichlorobenzene-d4	*79.2 %*	*12 - 125*		B2C0989	03/07/2022	*03/08/22 15:28*	
Surrogate: 2-Fluorobiphenyl	*91.3 %*	*14 - 139*		B2C0989	03/07/2022	*03/08/22 15:28*	
Surrogate: Nitrobenzene-d5	*47.5 %*	*8 - 155*		B2C0989	03/07/2022	*03/08/22 15:28*	
Surrogate: 4-Terphenyl-d14	*124 %*	*16 - 152*		B2C0989	03/07/2022	*03/08/22 15:28*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 01:47	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 01:47	
Surrogate: p-Terphenyl	*150 %*	*62 - 141*		B2C0986	03/07/2022	*03/08/22 01:47*	S1

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,1,1-Trichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,1,2-Trichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-8-6

Lab ID: 2200301-13

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,1-Dichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,1-Dichloropropene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2,3-Trichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2-Dibromoethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2-Dichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2-Dichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2-Dichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,3-Dichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,3-Dichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,4-Dichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
2,2-Dichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
2-Chlorotoluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
4-Chlorotoluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
4-Isopropyltoluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Benzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Bromobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Bromochloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Bromodichloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Bromoform	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Bromomethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Carbon disulfide	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Carbon tetrachloride	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Chlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Chloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Chloroform	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Chloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Di-isopropyl ether	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Dibromochloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Dibromomethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Dichlorodifluoromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Ethyl Acetate	ND	44	1	B2C1079	03/11/2022	03/11/22 14:53	
Ethyl Ether	ND	44	1	B2C1079	03/11/2022	03/11/22 14:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-8-6

Lab ID: 2200301-13

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Ethylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Freon-113	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Hexachlorobutadiene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Isopropylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
m,p-Xylene	ND	8.8	1	B2C1079	03/11/2022	03/11/22 14:53	
Methylene chloride	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
MTBE	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
n-Butylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
n-Propylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Naphthalene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
o-Xylene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
sec-Butylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Styrene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
tert-Amyl methyl ether	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
tert-Butanol	ND	88	1	B2C1079	03/11/2022	03/11/22 14:53	
tert-Butylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Tetrachloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Toluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Trichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Trichlorofluoromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Vinyl acetate	ND	44	1	B2C1079	03/11/2022	03/11/22 14:53	
Vinyl chloride	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Surrogate: 1,2-Dichloroethane-d4	*122 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 14:53*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 14:53*	
Surrogate: Dibromofluoromethane	*114 %*	*77 - 159*		B2C1079	03/11/2022	*03/11/22 14:53*	
Surrogate: Toluene-d8	*103 %*	*81 - 128*		B2C1079	03/11/2022	*03/11/22 14:53*	

Semivolatile Organic Compounds by EPA 8270C **Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
1,2-Dichlorobenzene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
1,3-Dichlorobenzene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
1,4-Dichlorobenzene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2,4,5-Trichlorophenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-8-6

Lab ID: 2200301-13

Semivolatile Organic Compounds by EPA 8270C **Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2,4,6-Trichlorophenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2,4-Dichlorophenol	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
2,4-Dimethylphenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2,4-Dinitrophenol	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
2,4-Dinitrotoluene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2,6-Dinitrotoluene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2-Chloronaphthalene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2-Chlorophenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2-Methylnaphthalene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2-Methylphenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2-Nitroaniline	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
2-Nitrophenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
3,3´-Dichlorobenzidine	ND	660	1	B2C0991	03/07/2022	03/08/22 12:52	
3-Nitroaniline	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
4,6-Dinitro-2-methyphenol	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Bromophenyl-phenylether	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Chloro-3-methylphenol	ND	660	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Chloroaniline	ND	660	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Chlorophenyl-phenylether	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Methylphenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Nitroaniline	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Nitrophenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Acenaphthene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Acenaphthylene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Anthracene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzidine (M)	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzo(a)anthracene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzo(a)pyrene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzo(b)fluoranthene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzo(g,h,i)perylene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzo(k)fluoranthene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzoic acid	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzyl alcohol	ND	660	1	B2C0991	03/07/2022	03/08/22 12:52	
bis(2-chloroethoxy)methane	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
bis(2-Chloroethyl)ether	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
bis(2-chloroisopropyl)ether	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Butylbenzylphthalate	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Chrysene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Di-n-butylphthalate	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-8-6

Lab ID: 2200301-13

Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Di-n-octylphthalate	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Dibenz(a,h)anthracene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Dibenzofuran	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Diethyl phthalate	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Dimethyl phthalate	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Fluoranthene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Fluorene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Hexachlorobenzene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Hexachlorobutadiene	ND	660	1	B2C0991	03/07/2022	03/08/22 12:52	
Hexachlorocyclopentadiene	ND	660	1	B2C0991	03/07/2022	03/08/22 12:52	
Hexachloroethane	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Isophorone	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
N-Nitroso-di-n propylamine	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
N-Nitrosodiphenylamine	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Naphthalene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Nitrobenzene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Pentachlorophenol	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
Phenanthrene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Phenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Pyrene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Pyridine	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
Surrogate: 1,2-Dichlorobenzene-d4	*74.4 %*	*23 - 102*		B2C0991	03/07/2022	*03/08/22 12:52*	
Surrogate: 2,4,6-Tribromophenol	*62.5 %*	*3 - 138*		B2C0991	03/07/2022	*03/08/22 12:52*	
Surrogate: 2-Chlorophenol-d4	*75.7 %*	*18 - 105*		B2C0991	03/07/2022	*03/08/22 12:52*	
Surrogate: 2-Fluorobiphenyl	*74.0 %*	*34 - 106*		B2C0991	03/07/2022	*03/08/22 12:52*	
Surrogate: 2-Fluorophenol	*67.2 %*	*16 - 94*		B2C0991	03/07/2022	*03/08/22 12:52*	
Surrogate: 4-Terphenyl-d14	*98.3 %*	*31 - 130*		B2C0991	03/07/2022	*03/08/22 12:52*	
Surrogate: Nitrobenzene-d5	*64.4 %*	*23 - 102*		B2C0991	03/07/2022	*03/08/22 12:52*	
Surrogate: Phenol-d6	*67.3 %*	*14 - 104*		B2C0991	03/07/2022	*03/08/22 12:52*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.97	1	B2C1113	03/13/2022	03/13/22 08:10	
Surrogate: 4-Bromofluorobenzene	*86.6 %*	*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 08:10*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-7-1

Lab ID: 2200301-14

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Barium	**79**	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Beryllium	**2.2**	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Chromium	**12**	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Cobalt	**4.5**	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Copper	**11**	2.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Lead	**3.9**	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Nickel	**6.0**	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Selenium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Silver	**4.2**	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Vanadium	**27**	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Zinc	**120**	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-7-5.5
Lab ID: 2200301-15

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 02:08	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 02:08	
Surrogate: p-Terphenyl	*157 %*	*62 - 141*		B2C0986	03/07/2022	*03/08/22 02:08*	S1

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,1,1-Trichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,1,2-Trichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,1-Dichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,1-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,1-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2,3-Trichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2-Dibromo-3-chloropropane	ND	9.2	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2-Dibromoethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2-Dichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,3-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,3-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,4-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
2,2-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
2-Chlorotoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
4-Chlorotoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
4-Isopropyltoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Benzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Bromobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Bromochloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Bromodichloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Bromoform	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Bromomethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Carbon disulfide	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-7-5.5

Lab ID: 2200301-15

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Chlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Chloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Chloroform	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Chloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Di-isopropyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Dibromochloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Dibromomethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Dichlorodifluoromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Ethyl Acetate	ND	46	1	B2C1079	03/11/2022	03/11/22 15:18	
Ethyl Ether	ND	46	1	B2C1079	03/11/2022	03/11/22 15:18	
Ethyl tert-butyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Ethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Freon-113	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Hexachlorobutadiene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Isopropylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
m,p-Xylene	ND	9.2	1	B2C1079	03/11/2022	03/11/22 15:18	
Methylene chloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
MTBE	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
n-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
n-Propylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Naphthalene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
o-Xylene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
sec-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Styrene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
tert-Amyl methyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
tert-Butanol	ND	92	1	B2C1079	03/11/2022	03/11/22 15:18	
tert-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Tetrachloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Toluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Trichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Trichlorofluoromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Vinyl acetate	ND	46	1	B2C1079	03/11/2022	03/11/22 15:18	
Vinyl chloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Surrogate: 1,2-Dichloroethane-d4	*115 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 15:18*	
Surrogate: 4-Bromofluorobenzene	*98.3 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 15:18*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-7-5.5

Lab ID: 2200301-15

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*109 %*		*77 - 159*		B2C1079	03/11/2022	*03/11/22 15:18*	
Surrogate: Toluene-d8	*100 %*		*81 - 128*		B2C1079	03/11/2022	*03/11/22 15:18*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.92	1	B2C1113	03/13/2022	03/13/22 08:34	
Surrogate: 4-Bromofluorobenzene	*90.3 %*		*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 08:34*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-7-13
Lab ID: 2200301-16

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 02:29	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 02:29	
Surrogate: p-Terphenyl	*138 %*	*62 - 141*		B2C0986	03/07/2022	*03/08/22 02:29*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,1,1-Trichloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,1,2-Trichloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,1-Dichloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,1-Dichloroethene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,1-Dichloropropene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2,3-Trichloropropane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2-Dibromo-3-chloropropane	ND	8.5	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2-Dibromoethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2-Dichlorobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2-Dichloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2-Dichloropropane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,3-Dichlorobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,3-Dichloropropane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,4-Dichlorobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
2,2-Dichloropropane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
2-Chlorotoluene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
4-Chlorotoluene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
4-Isopropyltoluene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Benzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Bromobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Bromochloromethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Bromodichloromethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Bromoform	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Bromomethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Carbon disulfide	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-7-13
Lab ID: 2200301-16

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Chlorobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Chloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Chloroform	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Chloromethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Di-isopropyl ether	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Dibromochloromethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Dibromomethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Dichlorodifluoromethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Ethyl Acetate	ND	43	1	B2C1079	03/11/2022	03/11/22 15:42	
Ethyl Ether	ND	43	1	B2C1079	03/11/2022	03/11/22 15:42	
Ethyl tert-butyl ether	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Ethylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Freon-113	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Hexachlorobutadiene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Isopropylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
m,p-Xylene	ND	8.5	1	B2C1079	03/11/2022	03/11/22 15:42	
Methylene chloride	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
MTBE	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
n-Butylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
n-Propylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Naphthalene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
o-Xylene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
sec-Butylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Styrene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
tert-Amyl methyl ether	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
tert-Butanol	ND	85	1	B2C1079	03/11/2022	03/11/22 15:42	
tert-Butylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Tetrachloroethene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Toluene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Trichloroethene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Trichlorofluoromethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Vinyl acetate	ND	43	1	B2C1079	03/11/2022	03/11/22 15:42	
Vinyl chloride	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Surrogate: 1,2-Dichloroethane-d4	*118 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 15:42*	
Surrogate: 4-Bromofluorobenzene	*99.3 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 15:42*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-7-13

Lab ID: 2200301-16

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*105 %*		*77 - 159*		B2C1079	03/11/2022	*03/11/22 15:42*	
Surrogate: Toluene-d8	*104 %*		*81 - 128*		B2C1079	03/11/2022	*03/11/22 15:42*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.94	1	B2C1113	03/13/2022	03/13/22 08:59	
Surrogate: 4-Bromofluorobenzene	*85.4 %*		*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 08:59*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

QUALITY CONTROL SECTION

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0989 - MSSEMI_S										
Blank (B2C0989-BLK1)						Prepared: 3/7/2022 Analyzed: 3/8/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	6.27600	5.0	0.45							B6
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	5.43600	5.0	0.34							B6
Pyrene	6.13467	5.0	0.51							B6
Surrogate: 1,2-Dichlorobenzene-d4	*52.62*			*66.6667*		*78.9*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*58.50*			*66.6667*		*87.8*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*33.20*			*66.6667*		*49.8*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*67.75*			*66.6667*		*102*	*16 - 152*			
LCS (B2C0989-BS1)						Prepared: 3/7/2022 Analyzed: 3/8/2022				
2-Methylnaphthalene	36.4013	5.0	0.60	66.6667		54.6	39 - 92			
Acenaphthene	50.3260	5.0	0.41	66.6667		75.5	35 - 94			
Acenaphthylene	50.1953	5.0	0.41	66.6667		75.3	31 - 101			
Anthracene	43.0947	5.0	0.56	66.6667		64.6	37 - 95			
Benzo(a)anthracene	40.8487	5.0	0.56	66.6667		61.3	43 - 102			
Benzo(a)pyrene	43.7073	5.0	0.69	66.6667		65.6	38 - 95			
Benzo(b)fluoranthene	46.6407	5.0	2.2	66.6667		70.0	44 - 102			
Benzo(g,h,i)perylene	45.0127	5.0	0.80	66.6667		67.5	34 - 114			
Benzo(k)fluoranthene	50.9313	5.0	0.70	66.6667		76.4	34 - 110			
Chrysene	58.6120	5.0	0.61	66.6667		87.9	46 - 101			
Dibenz(a,h)anthracene	40.2600	5.0	0.88	66.6667		60.4	35 - 117			
Fluoranthene	51.8593	5.0	0.45	66.6667		77.8	46 - 107			B
Fluorene	44.3733	5.0	0.35	66.6667		66.6	35 - 98			
Indeno(1,2,3-cd)pyrene	41.2787	5.0	0.82	66.6667		61.9	35 - 114			
Naphthalene	47.2180	5.0	0.56	66.6667		70.8	39 - 86			
Phenanthrene	44.7373	5.0	0.34	66.6667		67.1	43 - 98			B
Pyrene	53.5407	5.0	0.51	66.6667		80.3	44 - 108			B
Surrogate: 1,2-Dichlorobenzene-d4	*43.65*			*66.6667*		*65.5*	*12 - 125*			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0989 - MSSEMI_S (continued)										
LCS (B2C0989-BS1) - Continued						Prepared: 3/7/2022 Analyzed: 3/8/2022				
Surrogate: 2-Fluorobiphenyl	*50.56*			*66.6667*		*75.8*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*38.83*			*66.6667*		*58.2*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*57.99*			*66.6667*		*87.0*	*16 - 152*			
Matrix Spike (B2C0989-MS1)			**Source: 2200301-13**			Prepared: 3/7/2022 Analyzed: 3/8/2022				
2-Methylnaphthalene	43.0027	5.0	0.60	66.6667	ND	64.5	43 - 120			
Acenaphthene	60.1213	5.0	0.41	66.6667	2.47800	86.5	52 - 113			
Acenaphthylene	62.9993	5.0	0.41	66.6667	ND	94.5	44 - 126			
Anthracene	59.1733	5.0	0.56	66.6667	ND	88.8	49 - 128			
Benzo(a)anthracene	53.2920	5.0	0.56	66.6667	ND	79.9	32 - 158			
Benzo(a)pyrene	53.2973	5.0	0.69	66.6667	ND	79.9	39 - 137			
Benzo(b)fluoranthene	60.9887	5.0	2.2	66.6667	ND	91.5	52 - 132			
Benzo(g,h,i)perylene	56.7627	5.0	0.80	66.6667	ND	85.1	35 - 162			
Benzo(k)fluoranthene	66.6060	5.0	0.70	66.6667	ND	99.9	18 - 153			
Chrysene	67.8713	5.0	0.61	66.6667	ND	102	25 - 160			
Dibenz(a,h)anthracene	54.5640	5.0	0.88	66.6667	ND	81.8	41 - 155			
Fluoranthene	69.5900	5.0	0.45	66.6667	1.10867	103	5 - 185			B
Fluorene	56.1413	5.0	0.35	66.6667	ND	84.2	28 - 135			
Indeno(1,2,3-cd)pyrene	52.5487	5.0	0.82	66.6667	ND	78.8	36 - 162			
Naphthalene	48.6940	5.0	0.56	66.6667	3.50800	67.8	41 - 113			
Phenanthrene	55.4027	5.0	0.34	66.6667	1.46600	80.9	35 - 143			B
Pyrene	69.1833	5.0	0.51	66.6667	1.24533	102	10 - 184			B
Surrogate: 1,2-Dichlorobenzene-d4	*50.38*			*66.6667*		*75.6*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*56.78*			*66.6667*		*85.2*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*44.53*			*66.6667*		*66.8*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*70.24*			*66.6667*		*105*	*16 - 152*			
Matrix Spike Dup (B2C0989-MSD1)			**Source: 2200301-13**			Prepared: 3/7/2022 Analyzed: 3/8/2022				
2-Methylnaphthalene	46.0140	5.0	0.60	66.6667	ND	69.0	43 - 120	6.77	20	
Acenaphthene	64.3547	5.0	0.41	66.6667	2.47800	92.8	52 - 113	6.80	20	
Acenaphthylene	69.3727	5.0	0.41	66.6667	ND	104	44 - 126	9.63	20	
Anthracene	58.5787	5.0	0.56	66.6667	ND	87.9	49 - 128	1.01	20	
Benzo(a)anthracene	54.2007	5.0	0.56	66.6667	ND	81.3	32 - 158	1.69	20	
Benzo(a)pyrene	56.7740	5.0	0.69	66.6667	ND	85.2	39 - 137	6.32	20	
Benzo(b)fluoranthene	62.3287	5.0	2.2	66.6667	ND	93.5	52 - 132	2.17	20	
Benzo(g,h,i)perylene	56.7947	5.0	0.80	66.6667	ND	85.2	35 - 162	0.0564	20	
Benzo(k)fluoranthene	65.2307	5.0	0.70	66.6667	ND	97.8	18 - 153	2.09	20	
Chrysene	71.1360	5.0	0.61	66.6667	ND	107	25 - 160	4.70	20	
Dibenz(a,h)anthracene	54.2427	5.0	0.88	66.6667	ND	81.4	41 - 155	0.591	20	
Fluoranthene	68.1553	5.0	0.45	66.6667	1.10867	101	5 - 185	2.08	20	B
Fluorene	63.2113	5.0	0.35	66.6667	ND	94.8	28 - 135	11.8	20	
Indeno(1,2,3-cd)pyrene	53.8200	5.0	0.82	66.6667	ND	80.7	36 - 162	2.39	20	
Naphthalene	52.6120	5.0	0.56	66.6667	3.50800	73.7	41 - 113	7.73	20	
Phenanthrene	65.0340	5.0	0.34	66.6667	1.46600	95.4	35 - 143	16.0	20	B
Pyrene	69.5040	5.0	0.51	66.6667	1.24533	102	10 - 184	0.462	20	B

Certificate of Analysis

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Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0989 - MSSEMI_S (continued)									
Matrix Spike Dup (B2C0989-MSD1) - Continued			**Source: 2200301-13**		Prepared: 3/7/2022 Analyzed: 3/8/2022				
Surrogate: 1,2-Dichlorobenzene-d4	*54.35*		*66.6667*		*81.5*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*64.20*		*66.6667*		*96.3*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*49.98*		*66.6667*		*75.0*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*73.69*		*66.6667*		*111*	*16 - 152*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1113 - GCVOA_S										
Blank (B2C1113-BLK1)						Prepared: 3/13/2022 Analyzed: 3/13/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6856*			*0.800000*		*85.7*	*47.6 - 121.18*			
LCS (B2C1113-BS1)						Prepared: 3/13/2022 Analyzed: 3/13/2022				
Gasoline Range Organics	6.48500	1.0	0.13	5.00000		130	68.69 - 124.04			L5
Surrogate: 4-Bromofluorobenzene	*0.7330*			*0.800000*		*91.6*	*47.6 - 121.18*			
LCS Dup (B2C1113-BSD1)						Prepared: 3/13/2022 Analyzed: 3/13/2022				
Gasoline Range Organics	6.67200	1.0	0.13	5.00000		133	68.69 - 124.04	2.84	20	L5
Surrogate: 4-Bromofluorobenzene	*0.6877*			*0.800000*		*86.0*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0975 - EPA 3050B_S										
Blank (B2C0975-BLK1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C0975-BS1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Antimony	26.0572	2.0	0.51	25.0000		104	80 - 120			
Arsenic	25.3868	1.0	0.12	25.0000		102	80 - 120			
Barium	24.2617	1.0	0.12	25.0000		97.0	80 - 120			
Beryllium	25.9003	1.0	0.03	25.0100		104	80 - 120			
Cadmium	25.7549	1.0	0.14	25.0000		103	80 - 120			
Chromium	25.4683	1.0	0.26	25.0000		102	80 - 120			
Cobalt	26.7046	1.0	0.07	25.0000		107	80 - 120			
Copper	25.1355	2.0	0.19	25.0000		101	80 - 120			
Lead	25.8338	1.0	0.18	25.0000		103	80 - 120			
Molybdenum	26.4901	1.0	0.12	25.0000		106	80 - 120			
Nickel	25.6489	1.0	0.18	25.0000		103	80 - 120			
Selenium	26.8650	1.0	0.40	25.0000		107	80 - 120			
Silver	12.2633	1.0	0.12	12.5000		98.1	80 - 120			
Thallium	25.8536	1.0	0.38	25.0000		103	80 - 120			
Vanadium	25.0078	1.0	0.06	25.0000		100	80 - 120			
Zinc	26.0955	1.0	0.15	25.0000		104	80 - 120			
Matrix Spike (B2C0975-MS1)			**Source: 2200293-03**			Prepared: 3/7/2022 Analyzed: 3/7/2022				
Antimony	11.2565	2.0	0.51	25.0000	ND	45.0	0 - 102			
Arsenic	24.4806	1.0	0.12	25.0000	4.41694	80.3	55 - 117			
Barium	42.6358	1.0	0.12	25.0000	26.9075	62.9	11 - 177			
Beryllium	22.6629	1.0	0.03	25.0100	0.642233	88.0	64 - 115			
Cadmium	21.6829	1.0	0.14	25.0000	0.274990	85.6	62 - 116			
Chromium	27.2841	1.0	0.26	25.0000	7.00895	81.1	42 - 145			
Cobalt	24.6533	1.0	0.07	25.0000	3.27898	85.5	60 - 126			
Copper	30.3621	2.0	0.19	25.0000	9.62090	83.0	37 - 163			
Lead	25.3889	1.0	0.18	25.0000	5.14083	81.0	26 - 161			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0975 - EPA 3050B_S (continued)										
Matrix Spike (B2C0975-MS1) - Continued			**Source: 2200293-03**			Prepared: 3/7/2022 Analyzed: 3/7/2022				
Molybdenum	19.8040	1.0	0.12	25.0000	0.437317	77.5	31 - 122			
Nickel	27.1112	1.0	0.18	25.0000	7.13587	79.9	52 - 130			
Selenium	17.5820	1.0	0.40	25.0000	ND	70.3	25 - 129			
Silver	9.81190	1.0	0.12	12.5000	ND	78.5	48 - 133			
Thallium	20.8375	1.0	0.38	25.0000	ND	83.4	25 - 119			
Vanadium	30.7068	1.0	0.06	25.0000	14.0859	66.5	51 - 141			
Zinc	41.1267	1.0	0.15	25.0000	23.3630	71.1	8 - 170			
Matrix Spike Dup (B2C0975-MSD1)			**Source: 2200293-03**			Prepared: 3/7/2022 Analyzed: 3/7/2022				
Antimony	11.5670	2.0	0.51	25.0000	ND	46.3	0 - 102	2.72	20	
Arsenic	24.7446	1.0	0.12	25.0000	4.41694	81.3	55 - 117	1.07	20	
Barium	41.9753	1.0	0.12	25.0000	26.9075	60.3	11 - 177	1.56	20	
Beryllium	22.7852	1.0	0.03	25.0100	0.642233	88.5	64 - 115	0.538	20	
Cadmium	22.2894	1.0	0.14	25.0000	0.274990	88.1	62 - 116	2.76	20	
Chromium	27.2658	1.0	0.26	25.0000	7.00895	81.0	42 - 145	0.0671	20	
Cobalt	25.2972	1.0	0.07	25.0000	3.27898	88.1	60 - 126	2.58	20	
Copper	29.4689	2.0	0.19	25.0000	9.62090	79.4	37 - 163	2.99	20	
Lead	25.9075	1.0	0.18	25.0000	5.14083	83.1	26 - 161	2.02	20	
Molybdenum	20.7583	1.0	0.12	25.0000	0.437317	81.3	31 - 122	4.71	20	
Nickel	27.8765	1.0	0.18	25.0000	7.13587	83.0	52 - 130	2.78	20	
Selenium	18.2248	1.0	0.40	25.0000	ND	72.9	25 - 129	3.59	20	
Silver	9.75234	1.0	0.12	12.5000	ND	78.0	48 - 133	0.609	20	
Thallium	21.4088	1.0	0.38	25.0000	ND	85.6	25 - 119	2.70	20	
Vanadium	30.8453	1.0	0.06	25.0000	14.0859	67.0	51 - 141	0.450	20	
Zinc	41.6719	1.0	0.15	25.0000	23.3630	73.2	8 - 170	1.32	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0998 - EPA 3050B_S										
Blank (B2C0998-BLK1)						Prepared: 3/8/2022 Analyzed: 3/10/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C0998-BS1)						Prepared: 3/8/2022 Analyzed: 3/10/2022				
Antimony	24.3825	2.0	0.51	25.0000		97.5	80 - 120			
Arsenic	23.6670	1.0	0.12	25.0000		94.7	80 - 120			
Barium	24.3631	1.0	0.12	25.0000		97.5	80 - 120			
Beryllium	25.5230	1.0	0.03	25.0100		102	80 - 120			
Cadmium	24.2410	1.0	0.14	25.0000		97.0	80 - 120			
Chromium	25.4216	1.0	0.26	25.0000		102	80 - 120			
Cobalt	26.4981	1.0	0.07	25.0000		106	80 - 120			
Copper	25.1230	2.0	0.19	25.0000		100	80 - 120			
Lead	24.5395	1.0	0.18	25.0000		98.2	80 - 120			
Molybdenum	25.4814	1.0	0.12	25.0000		102	80 - 120			
Nickel	24.7267	1.0	0.18	25.0000		98.9	80 - 120			
Selenium	24.2986	1.0	0.40	25.0000		97.2	80 - 120			
Silver	11.8688	1.0	0.12	12.5000		95.0	80 - 120			
Thallium	24.0603	1.0	0.38	25.0000		96.2	80 - 120			
Vanadium	25.0982	1.0	0.06	25.0000		100	80 - 120			
Zinc	24.0894	1.0	0.15	25.0000		96.4	80 - 120			
Matrix Spike (B2C0998-MS1)			**Source: 2200306-18**			Prepared: 3/8/2022 Analyzed: 3/10/2022				
Antimony	8.99032	2.0	0.51	25.0000	0.767699	32.9	0 - 102			
Arsenic	21.8225	1.0	0.12	25.0000	1.15705	82.7	55 - 117			
Barium	158.461	1.0	0.12	25.0000	154.542	15.7	11 - 177			
Beryllium	21.6015	1.0	0.03	25.0100	2.52953	76.3	64 - 115			
Cadmium	20.8251	1.0	0.14	25.0000	0.649616	80.7	62 - 116			
Chromium	45.6958	1.0	0.26	25.0000	24.2971	85.6	42 - 145			
Cobalt	32.8511	1.0	0.07	25.0000	10.9267	87.7	60 - 126			
Copper	44.6293	2.0	0.19	25.0000	20.3937	96.9	37 - 163			
Lead	26.3390	1.0	0.18	25.0000	6.40960	79.7	26 - 161			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0998 - EPA 3050B_S (continued)										
Matrix Spike (B2C0998-MS1) - Continued			**Source: 2200306-18**				Prepared: 3/8/2022 Analyzed: 3/10/2022			
Molybdenum	20.2870	1.0	0.12	25.0000	0.835638	77.8	31 - 122			
Nickel	33.5444	1.0	0.18	25.0000	15.2025	73.4	52 - 130			
Selenium	24.2934	1.0	0.40	25.0000	2.81860	85.9	25 - 129			
Silver	14.5617	1.0	0.12	12.5000	4.20929	82.8	48 - 133			
Thallium	18.7028	1.0	0.38	25.0000	ND	74.8	25 - 119			
Vanadium	59.6018	1.0	0.06	25.0000	38.4505	84.6	51 - 141			
Zinc	76.9880	1.0	0.15	25.0000	57.3615	78.5	8 - 170			
Matrix Spike Dup (B2C0998-MSD1)			**Source: 2200306-18**				Prepared: 3/8/2022 Analyzed: 3/10/2022			
Antimony	9.24372	2.0	0.51	25.0000	0.767699	33.9	0 - 102	2.78	20	
Arsenic	21.6531	1.0	0.12	25.0000	1.15705	82.0	55 - 117	0.779	20	
Barium	166.466	1.0	0.12	25.0000	154.542	47.7	11 - 177	4.93	20	
Beryllium	22.0546	1.0	0.03	25.0100	2.52953	78.1	64 - 115	2.08	20	
Cadmium	21.2185	1.0	0.14	25.0000	0.649616	82.3	62 - 116	1.87	20	
Chromium	46.0856	1.0	0.26	25.0000	24.2971	87.2	42 - 145	0.849	20	
Cobalt	33.0930	1.0	0.07	25.0000	10.9267	88.7	60 - 126	0.734	20	
Copper	44.4820	2.0	0.19	25.0000	20.3937	96.4	37 - 163	0.331	20	
Lead	26.6552	1.0	0.18	25.0000	6.40960	81.0	26 - 161	1.19	20	
Molybdenum	20.7878	1.0	0.12	25.0000	0.835638	79.8	31 - 122	2.44	20	
Nickel	33.1697	1.0	0.18	25.0000	15.2025	71.9	52 - 130	1.12	20	
Selenium	23.8123	1.0	0.40	25.0000	2.81860	84.0	25 - 129	2.00	20	
Silver	15.0971	1.0	0.12	12.5000	4.20929	87.1	48 - 133	3.61	20	
Thallium	19.4044	1.0	0.38	25.0000	ND	77.6	25 - 119	3.68	20	
Vanadium	60.6695	1.0	0.06	25.0000	38.4505	88.9	51 - 141	1.78	20	
Zinc	78.9828	1.0	0.15	25.0000	57.3615	86.5	8 - 170	2.56	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0976 - EPA 7471_S										
Blank (B2C0976-BLK1)						Prepared: 3/7/2022 Analyzed: 3/8/2022				
Mercury	ND	0.10	0.01							
LCS (B2C0976-BS1)						Prepared: 3/7/2022 Analyzed: 3/8/2022				
Mercury	0.379526	0.10	0.01	0.416667		91.1	80 - 120			
Matrix Spike (B2C0976-MS1)			**Source: 2200293-03**			Prepared: 3/7/2022 Analyzed: 3/8/2022				
Mercury	0.660423	0.10	0.01	0.416667	0.053476	146	70 - 130			M2
Matrix Spike Dup (B2C0976-MSD1)			**Source: 2200293-03**			Prepared: 3/7/2022 Analyzed: 3/8/2022				
Mercury	0.691767	0.10	0.01	0.416667	0.053476	153	70 - 130	4.64	20	M2

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0976 - EPA 7471_S									
Post Spike (B2C0976-PS1)			**Source: 2200293-03**		Prepared: 3/7/2022 Analyzed: 3/8/2022				
Mercury	0.005587		5.00000E-3	0.000642	98.9	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0986 - GCSEMI_DRO_S										
Blank (B2C0986-BLK1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*94.34*			*80.0000*		*118*	*62 - 141*			
LCS (B2C0986-BS1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
DRO	987.709	10	3.6	1000.00		98.8	56 - 139			
Surrogate: p-Terphenyl	*97.05*			*80.0000*		*121*	*62 - 141*			
Matrix Spike (B2C0986-MS1)			**Source: 2200301-02**			Prepared: 3/7/2022 Analyzed: 3/7/2022				
DRO	811.436	10	3.6	1000.00	6.00400	80.5	38 - 161			
Surrogate: p-Terphenyl	*124.1*			*80.0000*		*155*	*62 - 141*			S10
Matrix Spike Dup (B2C0986-MSD1)			**Source: 2200301-02**			Prepared: 3/7/2022 Analyzed: 3/7/2022				
DRO	948.594	10	3.6	1000.00	6.00400	94.3	38 - 161	15.6	20	
Surrogate: p-Terphenyl	*137.5*			*80.0000*		*172*	*62 - 141*			S10

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Organochlorine Pesticides by EPA 8081A - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0990 - GCSEMI_PCB/PEST_S										
Blank (B2C0990-BLK1)							Prepared: 3/7/2022 Analyzed: 3/7/2022			
4,4´-DDD	ND	2.0	0.08							
4,4´-DDD [2C]	ND	2.0	0.08							
4,4´-DDE	ND	2.0	0.09							
4,4´-DDE [2C]	ND	2.0	0.09							
4,4´-DDT	ND	2.0	0.10							
4,4´-DDT [2C]	ND	2.0	0.10							
Aldrin	ND	1.0	0.09							
Aldrin [2C]	ND	1.0	0.09							
alpha-BHC	ND	1.0	0.11							
alpha-BHC [2C]	ND	1.0	0.11							
alpha-Chlordane	ND	1.0	0.10							
alpha-Chlordane [2C]	ND	1.0	0.10							
beta-BHC	ND	1.0	0.15							
beta-BHC [2C]	ND	1.0	0.15							
Chlordane	ND	8.5	1.1							
Chlordane [2C]	ND	8.5	1.1							
delta-BHC	ND	1.0	0.11							
delta-BHC [2C]	ND	1.0	0.11							
Dieldrin	ND	2.0	0.09							
Dieldrin [2C]	ND	2.0	0.09							
Endosulfan I	ND	1.0	0.09							
Endosulfan I [2C]	ND	1.0	0.09							
Endosulfan II	ND	2.0	0.09							
Endosulfan II [2C]	ND	2.0	0.09							
Endosulfan sulfate	ND	2.0	0.11							
Endosulfan Sulfate [2C]	ND	2.0	0.11							
Endrin	ND	2.0	0.07							
Endrin [2C]	ND	2.0	0.07							
Endrin aldehyde	ND	2.0	0.18							
Endrin aldehyde [2C]	ND	2.0	0.18							
Endrin ketone	ND	2.0	0.06							
Endrin ketone [2C]	ND	2.0	0.06							
gamma-BHC	ND	1.0	0.12							
gamma-BHC [2C]	ND	1.0	0.12							
gamma-Chlordane	ND	1.0	0.11							
gamma-Chlordane [2C]	ND	1.0	0.11							
Heptachlor	ND	1.0	0.10							
Heptachlor [2C]	ND	1.0	0.10							
Heptachlor epoxide	ND	1.0	0.09							
Heptachlor epoxide [2C]	ND	1.0	0.09							
Methoxychlor	ND	5.0	0.14							
Methoxychlor [2C]	ND	5.0	0.14							
Toxaphene	ND	50	3.6							
Toxaphene [2C]	ND	50	3.6							

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0990 - GCSEMI_PCB/PEST_S (continued)										
Blank (B2C0990-BLK1) - Continued						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Surrogate: Decachlorobiphenyl	*10.08*			*16.6667*		*60.5*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*10.54*			*16.6667*		*63.3*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*8.266*			*16.6667*		*49.6*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*8.618*			*16.6667*		*51.7*	*6 - 76*			
LCS (B2C0990-BS1)						Prepared: 3/7/2022 Analyzed: 3/7/2022				
4,4´-DDD	13.0293	2.0	0.08	16.6667		78.2	35 - 94			
4,4´-DDD [2C]	13.3712	2.0	0.08	16.6667		80.2	38 - 85			
4,4´-DDE	11.2890	2.0	0.09	16.6667		67.7	27 - 81			
4,4´-DDE [2C]	11.3147	2.0	0.09	16.6667		67.9	32 - 84			
4,4´-DDT	9.54067	2.0	0.10	16.6667		57.2	22 - 87			
4,4´-DDT [2C]	10.0210	2.0	0.10	16.6667		60.1	23 - 91			
Aldrin	9.01167	1.0	0.09	16.6667		54.1	23 - 75			
Aldrin [2C]	9.59817	1.0	0.09	16.6667		57.6	25 - 79			
alpha-BHC	9.24583	1.0	0.11	16.6667		55.5	23 - 77			
alpha-BHC [2C]	9.62767	1.0	0.11	16.6667		57.8	39 - 92			
alpha-Chlordane	11.4830	1.0	0.10	16.6667		68.9	30 - 85			
alpha-Chlordane [2C]	12.1820	1.0	0.10	16.6667		73.1	33 - 91			
beta-BHC	9.40267	1.0	0.15	16.6667		56.4	29 - 77			
beta-BHC [2C]	10.3773	1.0	0.15	16.6667		62.3	30 - 80			
delta-BHC	11.3107	1.0	0.11	16.6667		67.9	30 - 85			
delta-BHC [2C]	11.5387	1.0	0.11	16.6667		69.2	33 - 92			
Dieldrin	10.9282	2.0	0.09	16.6667		65.6	31 - 80			
Dieldrin [2C]	11.1972	2.0	0.09	16.6667		67.2	33 - 82			
Endosulfan I	10.0472	1.0	0.09	16.6667		60.3	27 - 74			
Endosulfan I [2C]	10.0435	1.0	0.09	16.6667		60.3	30 - 79			
Endosulfan II	11.2292	2.0	0.09	16.6667		67.4	37 - 86			
Endosulfan II [2C]	11.9617	2.0	0.09	16.6667		71.8	38 - 86			
Endosulfan sulfate	10.4497	2.0	0.11	16.6667		62.7	32 - 80			
Endosulfan Sulfate [2C]	10.5332	2.0	0.11	16.6667		63.2	32 - 87			
Endrin	11.2492	2.0	0.07	16.6667		67.5	35 - 92			
Endrin [2C]	11.8940	2.0	0.07	16.6667		71.4	39 - 98			
Endrin aldehyde	11.3782	2.0	0.18	16.6667		68.3	29 - 82			
Endrin aldehyde [2C]	12.2035	2.0	0.18	16.6667		73.2	30 - 91			
Endrin ketone	10.4652	2.0	0.06	16.6667		62.8	30 - 85			
Endrin ketone [2C]	11.1477	2.0	0.06	16.6667		66.9	32 - 84			
gamma-BHC	9.89417	1.0	0.12	16.6667		59.4	25 - 81			
gamma-BHC [2C]	10.4687	1.0	0.12	16.6667		62.8	26 - 83			
gamma-Chlordane	9.07633	1.0	0.11	16.6667		54.5	30 - 77			
gamma-Chlordane [2C]	9.87317	1.0	0.11	16.6667		59.2	32 - 79			
Heptachlor	8.95533	1.0	0.10	16.6667		53.7	23 - 85			
Heptachlor [2C]	9.63133	1.0	0.10	16.6667		57.8	28 - 84			
Heptachlor epoxide	9.79783	1.0	0.09	16.6667		58.8	26 - 76			
Heptachlor epoxide [2C]	10.4272	1.0	0.09	16.6667		62.6	29 - 80			
Methoxychlor	10.4882	5.0	0.14	16.6667		62.9	27 - 93			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0990 - GCSEMI_PCB/PEST_S (continued)										
LCS (B2C0990-BS1) - Continued						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Methoxychlor [2C]	11.4578	5.0	0.14	16.6667		68.7	27 - 98			
Surrogate: Decachlorobiphenyl	*10.01*			*16.6667*		*60.1*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*10.27*			*16.6667*		*61.6*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*8.037*			*16.6667*		*48.2*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*8.646*			*16.6667*		*51.9*	*6 - 76*			
Matrix Spike (B2C0990-MS1)			**Source: 2200301-12**			Prepared: 3/7/2022 Analyzed: 3/7/2022				
4,4´-DDD	12.5163	2.0	0.08	16.6667	ND	75.1	13 - 84			
4,4´-DDD [2C]	12.5782	2.0	0.08	16.6667	ND	75.5	9 - 91			
4,4´-DDE	11.3378	2.0	0.09	16.6667	0.207500	66.8	0 - 115			
4,4´-DDE [2C]	11.3285	2.0	0.09	16.6667	0.212667	66.7	0 - 142			
4,4´-DDT	10.2257	2.0	0.10	16.6667	0.586667	57.8	0 - 116			
4,4´-DDT [2C]	10.3768	2.0	0.10	16.6667	0.376667	60.0	0 - 112			
Aldrin	9.86833	1.0	0.09	16.6667	ND	59.2	5 - 80			
Aldrin [2C]	10.0647	1.0	0.09	16.6667	ND	60.4	4 - 86			
alpha-BHC	10.1923	1.0	0.11	16.6667	ND	61.2	10 - 76			
alpha-BHC [2C]	10.2223	1.0	0.11	16.6667	ND	61.3	8 - 86			
alpha-Chlordane	11.5317	1.0	0.10	16.6667	ND	69.2	6 - 92			
alpha-Chlordane [2C]	11.8817	1.0	0.10	16.6667	ND	71.3	1 - 112			
beta-BHC	9.67867	1.0	0.15	16.6667	ND	58.1	14 - 72			
beta-BHC [2C]	10.2648	1.0	0.15	16.6667	ND	61.6	16 - 76			
delta-BHC	11.5405	1.0	0.11	16.6667	ND	69.2	14 - 76			
delta-BHC [2C]	11.2940	1.0	0.11	16.6667	ND	67.8	12 - 86			
Dieldrin	11.0987	2.0	0.09	16.6667	ND	66.6	0 - 122			
Dieldrin [2C]	10.8918	2.0	0.09	16.6667	ND	65.4	0 - 110			
Endosulfan I	10.2832	1.0	0.09	16.6667	ND	61.7	6 - 80			
Endosulfan I [2C]	10.0333	1.0	0.09	16.6667	ND	60.2	0 - 96			
Endosulfan II	10.8345	2.0	0.09	16.6667	ND	65.0	17 - 82			
Endosulfan II [2C]	11.3703	2.0	0.09	16.6667	ND	68.2	6 - 98			
Endosulfan sulfate	10.4017	2.0	0.11	16.6667	0.326333	60.5	9 - 78			
Endosulfan Sulfate [2C]	10.2715	2.0	0.11	16.6667	0.196500	60.4	14 - 75			
Endrin	11.3730	2.0	0.07	16.6667	ND	68.2	6 - 111			
Endrin [2C]	11.5968	2.0	0.07	16.6667	ND	69.6	21 - 94			
Endrin aldehyde	11.2860	2.0	0.18	16.6667	0.200000	66.5	0 - 121			
Endrin aldehyde [2C]	12.2512	2.0	0.18	16.6667	0.895500	68.1	9 - 87			
Endrin ketone	10.3667	2.0	0.06	16.6667	ND	62.2	8 - 78			
Endrin ketone [2C]	10.6143	2.0	0.06	16.6667	ND	63.7	10 - 84			
gamma-BHC	10.6895	1.0	0.12	16.6667	ND	64.1	14 - 81			
gamma-BHC [2C]	10.9125	1.0	0.12	16.6667	ND	65.5	13 - 84			
gamma-Chlordane	9.23533	1.0	0.11	16.6667	ND	55.4	12 - 79			
gamma-Chlordane [2C]	10.0320	1.0	0.11	16.6667	ND	60.2	11 - 82			
Heptachlor	9.88900	1.0	0.10	16.6667	ND	59.3	3 - 92			
Heptachlor [2C]	10.2127	1.0	0.10	16.6667	ND	61.3	15 - 81			
Heptachlor epoxide	10.1227	1.0	0.09	16.6667	ND	60.7	11 - 75			
Heptachlor epoxide [2C]	10.4288	1.0	0.09	16.6667	ND	62.6	16 - 76			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
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Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0990 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike (B2C0990-MS1) - Continued			**Source: 2200301-12**			Prepared: 3/7/2022 Analyzed: 3/7/2022				
Methoxychlor	10.7020	5.0	0.14	16.6667	ND	64.2	0 - 101			
Methoxychlor [2C]	10.9897	5.0	0.14	16.6667	ND	65.9	0 - 110			
Surrogate: Decachlorobiphenyl	*9.765*			*16.6667*		*58.6*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*9.806*			*16.6667*		*58.8*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*8.834*			*16.6667*		*53.0*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*9.179*			*16.6667*		*55.1*	*6 - 76*			
Matrix Spike Dup (B2C0990-MSD1)			**Source: 2200301-12**			Prepared: 3/7/2022 Analyzed: 3/7/2022				
4,4´-DDD	13.1868	2.0	0.08	16.6667	ND	79.1	13 - 84	5.22	20	
4,4´-DDD [2C]	13.1805	2.0	0.08	16.6667	ND	79.1	9 - 91	4.68	20	
4,4´-DDE	11.6200	2.0	0.09	16.6667	0.207500	68.5	0 - 115	2.46	20	
4,4´-DDE [2C]	11.7493	2.0	0.09	16.6667	0.212667	69.2	0 - 142	3.65	20	
4,4´-DDT	10.8617	2.0	0.10	16.6667	0.586667	61.7	0 - 116	6.03	20	
4,4´-DDT [2C]	11.2195	2.0	0.10	16.6667	0.376667	65.1	0 - 112	7.80	20	
Aldrin	9.44200	1.0	0.09	16.6667	ND	56.7	5 - 80	4.42	20	
Aldrin [2C]	9.60033	1.0	0.09	16.6667	ND	57.6	4 - 86	4.72	20	
alpha-BHC	9.68517	1.0	0.11	16.6667	ND	58.1	10 - 76	5.10	20	
alpha-BHC [2C]	9.67817	1.0	0.11	16.6667	ND	58.1	8 - 86	5.47	20	
alpha-Chlordane	11.6627	1.0	0.10	16.6667	ND	70.0	6 - 92	1.13	20	
alpha-Chlordane [2C]	12.0470	1.0	0.10	16.6667	ND	72.3	1 - 112	1.38	20	
beta-BHC	9.80017	1.0	0.15	16.6667	ND	58.8	14 - 72	1.25	20	
beta-BHC [2C]	11.0673	1.0	0.15	16.6667	ND	66.4	16 - 76	7.52	20	
delta-BHC	11.7218	1.0	0.11	16.6667	ND	70.3	14 - 76	1.56	20	
delta-BHC [2C]	11.6167	1.0	0.11	16.6667	ND	69.7	12 - 86	2.82	20	
Dieldrin	11.3115	2.0	0.09	16.6667	ND	67.9	0 - 122	1.90	20	
Dieldrin [2C]	11.0955	2.0	0.09	16.6667	ND	66.6	0 - 110	1.85	20	
Endosulfan I	10.3020	1.0	0.09	16.6667	ND	61.8	6 - 80	0.183	20	
Endosulfan I [2C]	10.0560	1.0	0.09	16.6667	ND	60.3	0 - 96	0.226	20	
Endosulfan II	11.4088	2.0	0.09	16.6667	ND	68.5	17 - 82	5.16	20	
Endosulfan II [2C]	11.9662	2.0	0.09	16.6667	ND	71.8	6 - 98	5.11	20	
Endosulfan sulfate	11.0405	2.0	0.11	16.6667	0.326333	64.3	9 - 78	5.96	20	
Endosulfan Sulfate [2C]	11.0993	2.0	0.11	16.6667	0.196500	65.4	14 - 75	7.75	20	
Endrin	11.7942	2.0	0.07	16.6667	ND	70.8	6 - 111	3.64	20	
Endrin [2C]	11.9590	2.0	0.07	16.6667	ND	71.8	21 - 94	3.07	20	
Endrin aldehyde	11.8193	2.0	0.18	16.6667	0.200000	69.7	0 - 121	4.62	20	
Endrin aldehyde [2C]	12.7742	2.0	0.18	16.6667	0.895500	71.3	9 - 87	4.18	20	
Endrin ketone	11.0075	2.0	0.06	16.6667	ND	66.0	8 - 78	6.00	20	
Endrin ketone [2C]	11.2278	2.0	0.06	16.6667	ND	67.4	10 - 84	5.62	20	
gamma-BHC	10.2335	1.0	0.12	16.6667	ND	61.4	14 - 81	4.36	20	
gamma-BHC [2C]	10.4627	1.0	0.12	16.6667	ND	62.8	13 - 84	4.21	20	
gamma-Chlordane	9.29700	1.0	0.11	16.6667	ND	55.8	12 - 79	0.666	20	
gamma-Chlordane [2C]	10.3298	1.0	0.11	16.6667	ND	62.0	11 - 82	2.93	20	
Heptachlor	9.45750	1.0	0.10	16.6667	ND	56.7	3 - 92	4.46	20	
Heptachlor [2C]	9.73817	1.0	0.10	16.6667	ND	58.4	15 - 81	4.76	20	
Heptachlor epoxide	9.93250	1.0	0.09	16.6667	ND	59.6	11 - 75	1.90	20	

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Project Number : Ontario Airport / 5925
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Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0990 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike Dup (B2C0990-MSD1) - Continued			**Source: 2200301-12**			Prepared: 3/7/2022 Analyzed: 3/7/2022				
Heptachlor epoxide [2C]	10.3438	1.0	0.09	16.6667	ND	62.1	16 - 76	0.818	20	
Methoxychlor	11.4132	5.0	0.14	16.6667	ND	68.5	0 - 101	6.43	20	
Methoxychlor [2C]	11.8637	5.0	0.14	16.6667	ND	71.2	0 - 110	7.65	20	
Surrogate: Decachlorobiphenyl	*10.30*			*16.6667*		*61.8*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*10.57*			*16.6667*		*63.4*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*8.438*			*16.6667*		*50.6*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*8.805*			*16.6667*		*52.8*	*6 - 76*			

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1079 - MSVOA_S										
Blank (B2C1079-BLK1)							Prepared: 3/11/2022 Analyzed: 3/11/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1079 - MSVOA_S (continued)										
Blank (B2C1079-BLK1) - Continued						Prepared: 3/11/2022 Analyzed: 3/11/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*55.11*			*50.0000*		*110*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.98*			*50.0000*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.80*			*50.0000*		*108*	*77 - 159*			
Surrogate: Toluene-d8	*50.46*			*50.0000*		*101*	*81 - 128*			
LCS (B2C1079-BS1)						Prepared: 3/11/2022 Analyzed: 3/11/2022				
1,1,1,2-Tetrachloroethane	47.2000	5.0	0.52	50.0000		94.4	84 - 123			
1,1,1-Trichloroethane	61.3800	5.0	0.26	50.0000		123	78 - 133			
1,1,2,2-Tetrachloroethane	48.7000	5.0	0.21	50.0000		97.4	63 - 127			
1,1,2-Trichloroethane	53.2500	5.0	0.40	50.0000		106	80 - 125			
1,1-Dichloroethane	57.6900	5.0	1.4	50.0000		115	77 - 128			
1,1-Dichloroethene	54.1200	5.0	1.9	50.0000		108	69 - 138			
1,1-Dichloropropene	53.9900	5.0	0.54	50.0000		108	80 - 133			
1,2,3-Trichloropropane	45.2200	5.0	0.40	50.0000		90.4	74 - 123			
1,2,3-Trichlorobenzene	45.6600	5.0	0.83	50.0000		91.3	79 - 133			
1,2,4-Trichlorobenzene	47.5500	5.0	0.80	50.0000		95.1	73 - 131			
1,2,4-Trimethylbenzene	46.3800	5.0	0.91	50.0000		92.8	86 - 137			
1,2-Dibromo-3-chloropropane	45.7700	10	1.1	50.0000		91.5	62 - 127			
1,2-Dibromoethane	53.5100	5.0	0.40	50.0000		107	83 - 126			
1,2-Dichlorobenzene	45.8300	5.0	0.21	50.0000		91.7	83 - 123			
1,2-Dichloroethane	51.0400	5.0	0.50	50.0000		102	76 - 128			

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1079 - MSVOA_S (continued)										
LCS (B2C1079-BS1) - Continued						Prepared: 3/11/2022 Analyzed: 3/11/2022				
1,2-Dichloropropane	53.6900	5.0	0.46	50.0000		107	77 - 121			
1,3,5-Trimethylbenzene	45.3800	5.0	0.70	50.0000		90.8	84 - 135			
1,3-Dichlorobenzene	45.7700	5.0	0.36	50.0000		91.5	81 - 126			
1,3-Dichloropropane	49.7000	5.0	0.49	50.0000		99.4	80 - 118			
1,4-Dichlorobenzene	46.6700	5.0	0.27	50.0000		93.3	80 - 124			
2,2-Dichloropropane	57.8400	5.0	0.28	50.0000		116	72 - 135			
2-Chlorotoluene	45.6500	5.0	0.53	50.0000		91.3	81 - 127			
4-Chlorotoluene	46.7600	5.0	0.40	50.0000		93.5	83 - 127			
4-Isopropyltoluene	45.9600	5.0	0.81	50.0000		91.9	82 - 143			
Benzene	53.3000	5.0	0.36	50.0000		107	84 - 123			
Bromobenzene	46.5300	5.0	0.62	50.0000		93.1	80 - 122			
Bromochloromethane	58.4100	5.0	0.30	50.0000		117	83 - 127			
Bromodichloromethane	55.3800	5.0	0.52	50.0000		111	82 - 123			
Bromoform	47.8600	5.0	1.4	50.0000		95.7	80 - 132			
Bromomethane	53.5100	5.0	2.5	50.0000		107	67 - 176			
Carbon disulfide	54.8500	5.0	0.94	50.0000		110	75 - 138			
Carbon tetrachloride	51.9100	5.0	0.73	50.0000		104	76 - 131			
Chlorobenzene	48.9800	5.0	0.42	50.0000		98.0	84 - 119			
Chloroethane	65.9500	5.0	1.5	50.0000		132	56 - 170			
Chloroform	60.6400	5.0	0.24	50.0000		121	78 - 129			
Chloromethane	54.8000	5.0	1.1	50.0000		110	63 - 141			
cis-1,2-Dichloroethene	45.1200	5.0	0.20	50.0000		90.2	83 - 125			
cis-1,3-Dichloropropene	53.2900	5.0	0.39	50.0000		107	76 - 129			
Di-isopropyl ether	59.2400	5.0	1.9	50.0000		118	73 - 132			
Dibromochloromethane	49.7100	5.0	0.81	50.0000		99.4	81 - 120			
Dibromomethane	55.0100	5.0	0.23	50.0000		110	79 - 124			
Dichlorodifluoromethane	48.7600	5.0	0.14	50.0000		97.5	18 - 199			
Ethyl Acetate	53.2000	50	7.0	500.000		10.6	76 - 138			MO
Ethyl Ether	618.390	50	17	500.000		124	74 - 128			
Ethyl tert-butyl ether	55.8300	5.0	0.85	50.0000		112	50 - 175			
Ethylbenzene	49.4500	5.0	0.43	50.0000		98.9	86 - 130			
Freon-113	61.1300	5.0	1.3	50.0000		122	66 - 132			
Hexachlorobutadiene	45.6900	5.0	0.40	50.0000		91.4	64 - 135			
Isopropylbenzene	47.4300	5.0	0.79	50.0000		94.9	80 - 133			
m,p-Xylene	90.1000	10	0.98	100.000		90.1	89 - 133			
Methylene chloride	52.4300	5.0	2.2	50.0000		105	72 - 143			
MTBE	52.8600	5.0	0.81	50.0000		106	73 - 136			
n-Butylbenzene	47.3300	5.0	1.2	50.0000		94.7	76 - 144			
n-Propylbenzene	45.9100	5.0	0.78	50.0000		91.8	81 - 136			
Naphthalene	47.8500	5.0	1.1	50.0000		95.7	64 - 128			
o-Xylene	48.4000	5.0	0.67	50.0000		96.8	82 - 134			
sec-Butylbenzene	47.3200	5.0	0.63	50.0000		94.6	81 - 138			
Styrene	48.9700	5.0	0.45	50.0000		97.9	79 - 152			
tert-Amyl methyl ether	60.1900	5.0	1.1	50.0000		120	48 - 166			
tert-Butanol	309.200	100	11	250.000		124	48 - 148			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1079 - MSVOA_S (continued)										
LCS (B2C1079-BS1) - Continued						Prepared: 3/11/2022 Analyzed: 3/11/2022				
tert-Butylbenzene	45.6900	5.0	0.80	50.0000		91.4	81 - 135			
Tetrachloroethene	48.2900	5.0	0.31	50.0000		96.6	75 - 127			
Toluene	54.0500	5.0	0.27	50.0000		108	88 - 130			
trans-1,2-Dichloroethene	73.6100	5.0	0.56	50.0000		147	79 - 127			L5
trans-1,3-Dichloropropene	50.3700	5.0	0.59	50.0000		101	80 - 130			
Trichloroethene	52.6700	5.0	0.32	50.0000		105	83 - 126			
Trichlorofluoromethane	64.0900	5.0	1.0	50.0000		128	62 - 143			
Vinyl acetate	59.5700	50	6.0	500.000		11.9	69 - 150			MO
Vinyl chloride	59.5200	5.0	0.92	50.0000		119	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*55.92*			*50.0000*		*112*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.09*			*50.0000*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*55.82*			*50.0000*		*112*	*77 - 159*			
Surrogate: Toluene-d8	*51.16*			*50.0000*		*102*	*81 - 128*			
LCS Dup (B2C1079-BSD1)						Prepared: 3/11/2022 Analyzed: 3/11/2022				
1,1,1,2-Tetrachloroethane	45.6700	5.0	0.52	50.0000		91.3	84 - 123	3.29	20	
1,1,1-Trichloroethane	59.1600	5.0	0.26	50.0000		118	78 - 133	3.68	20	
1,1,2,2-Tetrachloroethane	48.1000	5.0	0.21	50.0000		96.2	63 - 127	1.24	20	
1,1,2-Trichloroethane	54.0800	5.0	0.40	50.0000		108	80 - 125	1.55	20	
1,1-Dichloroethane	55.2000	5.0	1.4	50.0000		110	77 - 128	4.41	20	
1,1-Dichloroethene	51.4200	5.0	1.9	50.0000		103	69 - 138	5.12	20	
1,1-Dichloropropene	54.0000	5.0	0.54	50.0000		108	80 - 133	0.0185	20	
1,2,3-Trichloropropane	45.7600	5.0	0.40	50.0000		91.5	74 - 123	1.19	20	
1,2,3-Trichlorobenzene	46.1800	5.0	0.83	50.0000		92.4	79 - 133	1.13	20	
1,2,4-Trichlorobenzene	45.9100	5.0	0.80	50.0000		91.8	73 - 131	3.51	20	
1,2,4-Trimethylbenzene	45.7500	5.0	0.91	50.0000		91.5	86 - 137	1.37	20	
1,2-Dibromo-3-chloropropane	49.2100	10	1.1	50.0000		98.4	62 - 127	7.24	20	
1,2-Dibromoethane	54.8400	5.0	0.40	50.0000		110	83 - 126	2.46	20	
1,2-Dichlorobenzene	46.5800	5.0	0.21	50.0000		93.2	83 - 123	1.62	20	
1,2-Dichloroethane	53.8000	5.0	0.50	50.0000		108	76 - 128	5.27	20	
1,2-Dichloropropane	54.5400	5.0	0.46	50.0000		109	77 - 121	1.57	20	
1,3,5-Trimethylbenzene	44.6300	5.0	0.70	50.0000		89.3	84 - 135	1.67	20	
1,3-Dichlorobenzene	45.5000	5.0	0.36	50.0000		91.0	81 - 126	0.592	20	
1,3-Dichloropropane	48.1800	5.0	0.49	50.0000		96.4	80 - 118	3.11	20	
1,4-Dichlorobenzene	46.9500	5.0	0.27	50.0000		93.9	80 - 124	0.598	20	
2,2-Dichloropropane	53.8300	5.0	0.28	50.0000		108	72 - 135	7.18	20	
2-Chlorotoluene	45.4300	5.0	0.53	50.0000		90.9	81 - 127	0.483	20	
4-Chlorotoluene	46.7000	5.0	0.40	50.0000		93.4	83 - 127	0.128	20	
4-Isopropyltoluene	44.1300	5.0	0.81	50.0000		88.3	82 - 143	4.06	20	
Benzene	53.4300	5.0	0.36	50.0000		107	84 - 123	0.244	20	
Bromobenzene	47.0000	5.0	0.62	50.0000		94.0	80 - 122	1.01	20	
Bromochloromethane	57.5900	5.0	0.30	50.0000		115	83 - 127	1.41	20	
Bromodichloromethane	55.2800	5.0	0.52	50.0000		111	82 - 123	0.181	20	
Bromoform	46.5100	5.0	1.4	50.0000		93.0	80 - 132	2.86	20	
Bromomethane	51.0400	5.0	2.5	50.0000		102	67 - 176	4.73	20	

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1079 - MSVOA_S (continued)										
LCS Dup (B2C1079-BSD1) - Continued					Prepared: 3/11/2022 Analyzed: 3/11/2022					
Carbon disulfide	52.4900	5.0	0.94	50.0000		105	75 - 138	4.40	20	
Carbon tetrachloride	51.7100	5.0	0.73	50.0000		103	76 - 131	0.386	20	
Chlorobenzene	46.8500	5.0	0.42	50.0000		93.7	84 - 119	4.45	20	
Chloroethane	64.3700	5.0	1.5	50.0000		129	56 - 170	2.42	20	
Chloroform	57.1700	5.0	0.24	50.0000		114	78 - 129	5.89	20	
Chloromethane	52.6000	5.0	1.1	50.0000		105	63 - 141	4.10	20	
cis-1,2-Dichloroethene	43.3900	5.0	0.20	50.0000		86.8	83 - 125	3.91	20	
cis-1,3-Dichloropropene	51.9700	5.0	0.39	50.0000		104	76 - 129	2.51	20	
Di-isopropyl ether	57.5000	5.0	1.9	50.0000		115	73 - 132	2.98	20	
Dibromochloromethane	50.2700	5.0	0.81	50.0000		101	81 - 120	1.12	20	
Dibromomethane	55.6700	5.0	0.23	50.0000		111	79 - 124	1.19	20	
Dichlorodifluoromethane	44.7400	5.0	0.14	50.0000		89.5	18 - 199	8.60	20	
Ethyl Acetate	30.7200	50	7.0	500.000		6.14	76 - 138	53.6	20	MO
Ethyl Ether	595.830	50	17	500.000		119	74 - 128	3.72	20	
Ethyl tert-butyl ether	54.5300	5.0	0.85	50.0000		109	50 - 175	2.36	20	
Ethylbenzene	46.7700	5.0	0.43	50.0000		93.5	86 - 130	5.57	20	
Freon-113	59.1100	5.0	1.3	50.0000		118	66 - 132	3.36	20	
Hexachlorobutadiene	45.5100	5.0	0.40	50.0000		91.0	64 - 135	0.395	20	
Isopropylbenzene	46.0100	5.0	0.79	50.0000		92.0	80 - 133	3.04	20	
m,p-Xylene	87.1200	10	0.98	100.000		87.1	89 - 133	3.36	20	L3
Methylene chloride	51.0500	5.0	2.2	50.0000		102	72 - 143	2.67	20	
MTBE	52.0800	5.0	0.81	50.0000		104	73 - 136	1.49	20	
n-Butylbenzene	45.7300	5.0	1.2	50.0000		91.5	76 - 144	3.44	20	
n-Propylbenzene	44.6800	5.0	0.78	50.0000		89.4	81 - 136	2.72	20	
Naphthalene	47.9100	5.0	1.1	50.0000		95.8	64 - 128	0.125	20	
o-Xylene	47.1700	5.0	0.67	50.0000		94.3	82 - 134	2.57	20	
sec-Butylbenzene	46.1400	5.0	0.63	50.0000		92.3	81 - 138	2.53	20	
Styrene	47.5100	5.0	0.45	50.0000		95.0	79 - 152	3.03	20	
tert-Amyl methyl ether	59.4300	5.0	1.1	50.0000		119	48 - 166	1.27	20	
tert-Butanol	297.920	100	11	250.000		119	48 - 148	3.72	20	
tert-Butylbenzene	45.2700	5.0	0.80	50.0000		90.5	81 - 135	0.923	20	
Tetrachloroethene	46.4700	5.0	0.31	50.0000		92.9	75 - 127	3.84	20	
Toluene	53.1100	5.0	0.27	50.0000		106	88 - 130	1.75	20	
trans-1,2-Dichloroethene	69.7700	5.0	0.56	50.0000		140	79 - 127	5.36	20	L5
trans-1,3-Dichloropropene	50.1400	5.0	0.59	50.0000		100	80 - 130	0.458	20	
Trichloroethene	53.4600	5.0	0.32	50.0000		107	83 - 126	1.49	20	
Trichlorofluoromethane	59.5900	5.0	1.0	50.0000		119	62 - 143	7.28	20	
Vinyl acetate	36.7400	50	6.0	500.000		7.35	69 - 150	47.4	20	MO
Vinyl chloride	56.0900	5.0	0.92	50.0000		112	69 - 140	5.93	20	
Surrogate: 1,2-Dichloroethane-d4	*51.14*			*50.0000*		*102*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.68*			*50.0000*		*101*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.56*			*50.0000*		*107*	*77 - 159*			
Surrogate: Toluene-d8	*52.73*			*50.0000*		*105*	*81 - 128*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0991 - MSSEMI_NAL										
Blank (B2C0991-BLK1)							Prepared: 3/7/2022 Analyzed: 3/8/2022			
1,2,4-Trichlorobenzene	ND	330	50							
1,2-Dichlorobenzene	ND	330	26							
1,3-Dichlorobenzene	ND	330	27							
1,4-Dichlorobenzene	ND	330	27							
2,4,5-Trichlorophenol	ND	330	30							
2,4,6-Trichlorophenol	ND	330	35							
2,4-Dichlorophenol	ND	1600	34							
2,4-Dimethylphenol	ND	330	26							
2,4-Dinitrophenol	ND	1600	86							
2,4-Dinitrotoluene	ND	330	33							
2,6-Dinitrotoluene	ND	330	49							
2-Chloronaphthalene	ND	330	28							
2-Chlorophenol	ND	330	31							
2-Methylnaphthalene	ND	330	27							
2-Methylphenol	ND	330	36							
2-Nitroaniline	ND	1600	43							
2-Nitrophenol	ND	330	45							
3,3´-Dichlorobenzidine	ND	660	280							
3-Nitroaniline	ND	1600	49							
4,6-Dinitro-2-methyphenol	ND	1600	41							
4-Bromophenyl-phenylether	ND	330	64							
4-Chloro-3-methylphenol	ND	660	71							
4-Chloroaniline	ND	660	53							
4-Chlorophenyl-phenylether	ND	330	33							
4-Methylphenol	ND	330	57							
4-Nitroaniline	ND	1600	37							
4-Nitrophenol	ND	330	64							
Acenaphthene	ND	330	43							
Acenaphthylene	ND	330	62							
Anthracene	ND	330	51							
Benzidine (M)	ND	1600	1400							
Benzo(a)anthracene	ND	330	44							
Benzo(a)pyrene	ND	330	64							
Benzo(b)fluoranthene	ND	330	65							
Benzo(g,h,i)perylene	ND	330	81							
Benzo(k)fluoranthene	ND	330	33							
Benzoic acid	ND	1600	890							
Benzyl alcohol	ND	660	32							
bis(2-chloroethoxy)methane	ND	330	64							
bis(2-Chloroethyl)ether	ND	330	66							
bis(2-chloroisopropyl)ether	ND	330	76							
bis(2-ethylhexyl)phthalate	ND	330	63							
Butylbenzylphthalate	ND	330	41							
Chrysene	ND	330	84							
Di-n-butylphthalate	ND	330	51							

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0991 - MSSEMI_NAL (continued)										
Blank (B2C0991-BLK1) - Continued						Prepared: 3/7/2022 Analyzed: 3/8/2022				
Di-n-octylphthalate	ND	330	63							
Dibenz(a,h)anthracene	ND	330	45							
Dibenzofuran	ND	330	58							
Diethyl phthalate	ND	330	58							
Dimethyl phthalate	ND	330	40							
Fluoranthene	ND	330	60							
Fluorene	ND	330	110							
Hexachlorobenzene	ND	330	55							
Hexachlorobutadiene	ND	660	53							
Hexachlorocyclopentadiene	ND	660	70							
Hexachloroethane	ND	330	94							
Indeno(1,2,3-cd)pyrene	ND	330	75							
Isophorone	ND	330	85							
N-Nitroso-di-n propylamine	ND	330	60							
N-Nitrosodiphenylamine	ND	330	32							
Naphthalene	ND	330	56							
Nitrobenzene	ND	330	57							
Pentachlorophenol	ND	1600	50							
Phenanthrene	ND	330	67							
Phenol	ND	330	34							
Pyrene	ND	330	72							
Pyridine	ND	1600	270							
Surrogate: 1,2-Dichlorobenzene-d4	*4793*			*6666.67*		*71.9*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*6353*			*10000.0*		*63.5*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*7412*			*10000.0*		*74.1*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*5201*			*6666.67*		*78.0*	*34 - 106*			
Surrogate: 2-Fluorophenol	*7121*			*10000.0*		*71.2*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*6857*			*6666.67*		*103*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*4275*			*6666.67*		*64.1*	*23 - 102*			
Surrogate: Phenol-d6	*7018*			*10000.0*		*70.2*	*14 - 104*			
LCS (B2C0991-BS1)						Prepared: 3/7/2022 Analyzed: 3/8/2022				
1,2,4-Trichlorobenzene	5188.00	330	50	6666.67		77.8	41 - 104			
1,2-Dichlorobenzene	4638.67	330	26	6666.67		69.6	37 - 100			
1,3-Dichlorobenzene	4402.67	330	27	6666.67		66.0	36 - 98			
1,4-Dichlorobenzene	4416.67	330	27	6666.67		66.2	37 - 97			
2,4,5-Trichlorophenol	7137.33	330	30	6666.67		107	47 - 115			
2,4,6-Trichlorophenol	7204.00	330	35	6666.67		108	48 - 119			
2,4-Dichlorophenol	5481.33	1600	34	6666.67		82.2	46 - 118			
2,4-Dimethylphenol	5348.00	330	26	6666.67		80.2	41 - 114			
2,4-Dinitrophenol	4889.33	1600	86	6666.67		73.3	0 - 180			
2,4-Dinitrotoluene	6712.00	330	33	6666.67		101	40 - 138			
2,6-Dinitrotoluene	6242.00	330	49	6666.67		93.6	45 - 131			
2-Chloronaphthalene	5798.67	330	28	6666.67		87.0	46 - 112			
2-Chlorophenol	4994.00	330	31	6666.67		74.9	41 - 99			

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19200 Von Karman Ave., Suite 800
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Reported : 05/12/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0991 - MSSEMI_NAL (continued)										
LCS (B2C0991-BS1) - Continued						Prepared: 3/7/2022 Analyzed: 3/8/2022				
2-Methylnaphthalene	5549.33	330	27	6666.67		83.2	45 - 111			
2-Methylphenol	5391.33	330	36	6666.67		80.9	40 - 92			
2-Nitroaniline	5722.67	1600	43	6666.67		85.8	44 - 130			
2-Nitrophenol	5216.67	330	45	6666.67		78.2	34 - 114			
3,3´-Dichlorobenzidine	4796.67	660	280	6666.67		71.9	41 - 128			
3-Nitroaniline	6660.67	1600	49	6666.67		99.9	47 - 123			
4,6-Dinitro-2-methyphenol	6424.67	1600	41	6666.67		96.4	2 - 172			
4-Bromophenyl-phenylether	6353.33	330	64	6666.67		95.3	49 - 116			
4-Chloro-3-methylphenol	6244.00	660	71	6666.67		93.7	45 - 127			
4-Chloroaniline	6061.33	660	53	6666.67		90.9	50 - 106			
4-Chlorophenyl-phenylether	6539.33	330	33	6666.67		98.1	49 - 115			
4-Methylphenol	2758.67	330	57	3333.33		82.8	43 - 109			
4-Nitroaniline	7095.33	1600	37	6666.67		106	44 - 125			
4-Nitrophenol	5669.33	330	64	6666.67		85.0	30 - 146			
Acenaphthene	6205.33	330	43	6666.67		93.1	44 - 110			
Acenaphthylene	5988.67	330	62	6666.67		89.8	42 - 111			
Anthracene	6614.67	330	51	6666.67		99.2	41 - 117			
Benzidine (M)	2933.33	1600	1400	6666.67		44.0	0 - 189			
Benzo(a)anthracene	7187.33	330	44	6666.67		108	45 - 110			
Benzo(a)pyrene	7128.67	330	64	6666.67		107	45 - 116			
Benzo(b)fluoranthene	7074.67	330	65	6666.67		106	43 - 112			
Benzo(g,h,i)perylene	6464.00	330	81	6666.67		97.0	43 - 113			
Benzo(k)fluoranthene	6704.00	330	33	6666.67		101	42 - 114			
Benzoic acid	2905.33	1600	890	6666.67		43.6	0 - 134			
Benzyl alcohol	5469.33	660	32	6666.67		82.0	39 - 117			
bis(2-chloroethoxy)methane	5012.67	330	64	6666.67		75.2	43 - 102			
bis(2-Chloroethyl)ether	4189.33	330	66	6666.67		62.8	38 - 99			
bis(2-chloroisopropyl)ether	4178.67	330	76	6666.67		62.7	30 - 104			
bis(2-ethylhexyl)phthalate	5632.67	330	63	6666.67		84.5	49 - 123			
Butylbenzylphthalate	5846.67	330	41	6666.67		87.7	49 - 122			
Chrysene	7168.00	330	84	6666.67		108	46 - 111			
Di-n-butylphthalate	6838.00	330	51	6666.67		103	48 - 118			
Di-n-octylphthalate	6632.67	330	63	6666.67		99.5	46 - 131			
Dibenz(a,h)anthracene	6711.33	330	45	6666.67		101	43 - 113			
Dibenzofuran	6090.67	330	58	6666.67		91.4	50 - 113			
Diethyl phthalate	6192.00	330	58	6666.67		92.9	50 - 115			
Dimethyl phthalate	6496.00	330	40	6666.67		97.4	48 - 112			
Fluoranthene	7038.00	330	60	6666.67		106	40 - 119			
Fluorene	5904.67	330	110	6666.67		88.6	41 - 117			
Hexachlorobenzene	5568.00	330	55	6666.67		83.5	46 - 123			
Hexachlorobutadiene	5500.67	660	53	6666.67		82.5	37 - 104			
Hexachlorocyclopentadiene	5273.33	660	70	6666.67		79.1	30 - 128			
Hexachloroethane	4437.33	330	94	6666.67		66.6	38 - 103			
Indeno(1,2,3-cd)pyrene	6877.33	330	75	6666.67		103	43 - 113			
Isophorone	5338.00	330	85	6666.67		80.1	43 - 109			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0991 - MSSEMI_NAL (continued)										
LCS (B2C0991-BS1) - Continued						Prepared: 3/7/2022 Analyzed: 3/8/2022				
N-Nitroso-di-n propylamine	5256.67	330	60	6666.67		78.8	44 - 111			
N-Nitrosodiphenylamine	6530.67	330	32	6666.67		98.0	48 - 113			
Naphthalene	5262.00	330	56	6666.67		78.9	38 - 103			
Nitrobenzene	4538.67	330	57	6666.67		68.1	40 - 111			
Pentachlorophenol	6199.33	1600	50	6666.67		93.0	33 - 130			
Phenanthrene	6460.67	330	67	6666.67		96.9	42 - 119			
Phenol	4845.33	330	34	6666.67		72.7	43 - 104			
Pyrene	7407.33	330	72	6666.67		111	38 - 120			
Pyridine	2967.33	1600	270	6666.67		44.5	0 - 72			
Surrogate: 1,2-Dichlorobenzene-d4	*4820*			*6666.67*		*72.3*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*8525*			*10000.0*		*85.3*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*7603*			*10000.0*		*76.0*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*5883*			*6666.67*		*88.2*	*34 - 106*			
Surrogate: 2-Fluorophenol	*6713*			*10000.0*		*67.1*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*6925*			*6666.67*		*104*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*4750*			*6666.67*		*71.2*	*23 - 102*			
Surrogate: Phenol-d6	*7501*			*10000.0*		*75.0*	*14 - 104*			
Matrix Spike (B2C0991-MS1)				**Source: 2200301-13**		Prepared: 3/7/2022 Analyzed: 3/8/2022				
1,2,4-Trichlorobenzene	4602.00	330	50	6666.67	ND	69.0	35 - 113			
1,2-Dichlorobenzene	4472.67	330	26	6666.67	ND	67.1	32 - 102			
1,3-Dichlorobenzene	4337.33	330	27	6666.67	ND	65.1	32 - 100			
1,4-Dichlorobenzene	4343.33	330	27	6666.67	ND	65.1	33 - 97			
2,4,5-Trichlorophenol	6852.67	330	30	6666.67	ND	103	36 - 124			
2,4,6-Trichlorophenol	6660.00	330	35	6666.67	ND	99.9	37 - 130			
2,4-Dichlorophenol	4947.33	1600	34	6666.67	ND	74.2	32 - 130			
2,4-Dimethylphenol	4322.67	330	26	6666.67	ND	64.8	30 - 128			
2,4-Dinitrophenol	5050.67	1600	86	6666.67	ND	75.8	0 - 203			
2,4-Dinitrotoluene	6228.00	330	33	6666.67	ND	93.4	21 - 168			
2,6-Dinitrotoluene	6063.33	330	49	6666.67	ND	90.9	31 - 152			
2-Chloronaphthalene	5499.33	330	28	6666.67	ND	82.5	33 - 130			
2-Chlorophenol	4590.67	330	31	6666.67	ND	68.9	32 - 106			
2-Methylnaphthalene	4988.67	330	27	6666.67	ND	74.8	33 - 125			
2-Methylphenol	4666.00	330	36	6666.67	ND	70.0	34 - 96			
2-Nitroaniline	5544.00	1600	43	6666.67	ND	83.2	30 - 146			
2-Nitrophenol	4900.00	330	45	6666.67	ND	73.5	22 - 125			
3,3´-Dichlorobenzidine	4819.33	660	280	6666.67	ND	72.3	19 - 144			
3-Nitroaniline	6244.00	1600	49	6666.67	ND	93.7	36 - 133			
4,6-Dinitro-2-methyphenol	6642.00	1600	41	6666.67	ND	99.6	0 - 196			
4-Bromophenyl-phenylether	5750.00	330	64	6666.67	ND	86.2	41 - 121			
4-Chloro-3-methylphenol	5505.33	660	71	6666.67	ND	82.6	39 - 134			
4-Chloroaniline	5428.00	660	53	6666.67	ND	81.4	37 - 115			
4-Chlorophenyl-phenylether	6178.00	330	33	6666.67	ND	92.7	34 - 133			
4-Methylphenol	2515.33	330	57	3333.33	ND	75.5	34 - 121			
4-Nitroaniline	6384.00	1600	37	6666.67	ND	95.8	30 - 138			

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0991 - MSSEMI_NAL (continued)										
Matrix Spike (B2C0991-MS1) - Continued		**Source: 2200301-13**				Prepared: 3/7/2022 Analyzed: 3/8/2022				
4-Nitrophenol	4778.67	330	64	6666.67	ND	71.7	5 - 154			
Acenaphthene	5389.33	330	43	6666.67	ND	80.8	33 - 121			
Acenaphthylene	5185.33	330	62	6666.67	ND	77.8	35 - 120			
Anthracene	6248.00	330	51	6666.67	ND	93.7	28 - 133			
Benzidine (M)	1756.67	1600	1400	6666.67	ND	26.4	8 - 175			
Benzo(a)anthracene	6526.67	330	44	6666.67	ND	97.9	32 - 127			
Benzo(a)pyrene	6977.33	330	64	6666.67	ND	105	35 - 127			
Benzo(b)fluoranthene	6875.33	330	65	6666.67	ND	103	29 - 126			
Benzo(g,h,i)perylene	6348.00	330	81	6666.67	ND	95.2	26 - 129			
Benzo(k)fluoranthene	6309.33	330	33	6666.67	ND	94.6	36 - 120			
Benzoic acid	3305.33	1600	890	6666.67	ND	49.6	0 - 208			
Benzyl alcohol	5011.33	660	32	6666.67	ND	75.2	32 - 120			
bis(2-chloroethoxy)methane	3566.00	330	64	6666.67	ND	53.5	34 - 108			
bis(2-Chloroethyl)ether	4166.67	330	66	6666.67	ND	62.5	34 - 100			
bis(2-chloroisopropyl)ether	3924.00	330	76	6666.67	ND	58.9	21 - 111			
bis(2-ethylhexyl)phthalate	5503.33	330	63	6666.67	ND	82.6	39 - 131			
Butylbenzylphthalate	5537.33	330	41	6666.67	ND	83.1	39 - 129			
Chrysene	6076.00	330	84	6666.67	ND	91.1	33 - 126			
Di-n-butylphthalate	6396.00	330	51	6666.67	ND	95.9	42 - 122			
Di-n-octylphthalate	6457.33	330	63	6666.67	ND	96.9	30 - 147			
Dibenz(a,h)anthracene	6662.00	330	45	6666.67	ND	99.9	30 - 126			
Dibenzofuran	5592.00	330	58	6666.67	ND	83.9	36 - 133			
Diethyl phthalate	5833.33	330	58	6666.67	ND	87.5	28 - 139			
Dimethyl phthalate	6124.00	330	40	6666.67	ND	91.9	32 - 129			
Fluoranthene	6430.67	330	60	6666.67	ND	96.5	23 - 140			
Fluorene	5541.33	330	110	6666.67	ND	83.1	32 - 130			
Hexachlorobenzene	5164.67	330	55	6666.67	ND	77.5	27 - 148			
Hexachlorobutadiene	5122.00	660	53	6666.67	ND	76.8	29 - 112			
Hexachlorocyclopentadiene	5052.67	660	70	6666.67	ND	75.8	13 - 147			
Hexachloroethane	4296.67	330	94	6666.67	ND	64.4	31 - 104			
Indeno(1,2,3-cd)pyrene	6778.00	330	75	6666.67	ND	102	21 - 137			
Isophorone	4998.00	330	85	6666.67	ND	75.0	34 - 112			
N-Nitroso-di-n propylamine	4644.67	330	60	6666.67	ND	69.7	36 - 115			
N-Nitrosodiphenylamine	6215.33	330	32	6666.67	ND	93.2	40 - 120			
Naphthalene	4793.33	330	56	6666.67	ND	71.9	33 - 108			
Nitrobenzene	4294.67	330	57	6666.67	ND	64.4	32 - 122			
Pentachlorophenol	5936.00	1600	50	6666.67	ND	89.0	0 - 151			
Phenanthrene	6158.00	330	67	6666.67	ND	92.4	40 - 122			
Phenol	4503.33	330	34	6666.67	ND	67.6	35 - 112			
Pyrene	7039.33	330	72	6666.67	ND	106	28 - 132			
Pyridine	4747.33	1600	270	6666.67	ND	71.2	5 - 107			
Surrogate: 1,2-Dichlorobenzene-d4	*4611*			*6666.67*		*69.2*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*7465*			*10000.0*		*74.6*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*7395*			*10000.0*		*74.0*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*5487*			*6666.67*		*82.3*	*34 - 106*			

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0991 - MSSEMI_NAL (continued)									
Matrix Spike (B2C0991-MS1) - Continued			**Source: 2200301-13**			Prepared: 3/7/2022 Analyzed: 3/8/2022			
Surrogate: 2-Fluorophenol	*6542*		*10000.0*		*65.4*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*6520*		*6666.67*		*97.8*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*4398*		*6666.67*		*66.0*	*23 - 102*			
Surrogate: Phenol-d6	*6882*		*10000.0*		*68.8*	*14 - 104*			
Matrix Spike Dup (B2C0991-MSD1)			**Source: 2200301-13**			Prepared: 3/7/2022 Analyzed: 3/8/2022			
1,2,4-Trichlorobenzene	5193.33	330	50	6666.67	ND	77.9	35 - 113	12.1	20	
1,2-Dichlorobenzene	4481.33	330	26	6666.67	ND	67.2	32 - 102	0.194	20	
1,3-Dichlorobenzene	4366.00	330	27	6666.67	ND	65.5	32 - 100	0.659	20	
1,4-Dichlorobenzene	4488.67	330	27	6666.67	ND	67.3	33 - 97	3.29	20	
2,4,5-Trichlorophenol	7177.33	330	30	6666.67	ND	108	36 - 124	4.63	20	
2,4,6-Trichlorophenol	6881.33	330	35	6666.67	ND	103	37 - 130	3.27	20	
2,4-Dichlorophenol	5478.00	1600	34	6666.67	ND	82.2	32 - 130	10.2	20	
2,4-Dimethylphenol	4908.00	330	26	6666.67	ND	73.6	30 - 128	12.7	20	
2,4-Dinitrophenol	5690.67	1600	86	6666.67	ND	85.4	0 - 203	11.9	20	
2,4-Dinitrotoluene	6426.00	330	33	6666.67	ND	96.4	21 - 168	3.13	20	
2,6-Dinitrotoluene	6373.33	330	49	6666.67	ND	95.6	31 - 152	4.99	20	
2-Chloronaphthalene	5722.67	330	28	6666.67	ND	85.8	33 - 130	3.98	20	
2-Chlorophenol	4942.00	330	31	6666.67	ND	74.1	32 - 106	7.37	20	
2-Methylnaphthalene	5590.00	330	27	6666.67	ND	83.8	33 - 125	11.4	20	
2-Methylphenol	5179.33	330	36	6666.67	ND	77.7	34 - 96	10.4	20	
2-Nitroaniline	5696.00	1600	43	6666.67	ND	85.4	30 - 146	2.70	20	
2-Nitrophenol	5531.33	330	45	6666.67	ND	83.0	22 - 125	12.1	20	
3,3´-Dichlorobenzidine	5116.00	660	280	6666.67	ND	76.7	19 - 144	5.97	20	
3-Nitroaniline	6484.67	1600	49	6666.67	ND	97.3	36 - 133	3.78	20	
4,6-Dinitro-2-methyphenol	7696.00	1600	41	6666.67	ND	115	0 - 196	14.7	20	
4-Bromophenyl-phenylether	6523.33	330	64	6666.67	ND	97.8	41 - 121	12.6	20	
4-Chloro-3-methylphenol	6511.33	660	71	6666.67	ND	97.7	39 - 134	16.7	20	
4-Chloroaniline	6588.00	660	53	6666.67	ND	98.8	37 - 115	19.3	20	
4-Chlorophenyl-phenylether	6271.33	330	33	6666.67	ND	94.1	34 - 133	1.50	20	
4-Methylphenol	2718.00	330	57	3333.33	ND	81.5	34 - 121	7.75	20	
4-Nitroaniline	6629.33	1600	37	6666.67	ND	99.4	30 - 138	3.77	20	
4-Nitrophenol	5322.00	330	64	6666.67	ND	79.8	5 - 154	10.8	20	
Acenaphthene	6070.67	330	43	6666.67	ND	91.1	33 - 121	11.9	20	
Acenaphthylene	5910.00	330	62	6666.67	ND	88.6	35 - 120	13.1	20	
Anthracene	6992.00	330	51	6666.67	ND	105	28 - 133	11.2	20	
Benzidine (M)	2345.33	1600	1400	6666.67	ND	35.2	8 - 175	28.7	20	R
Benzo(a)anthracene	7186.00	330	44	6666.67	ND	108	32 - 127	9.62	20	
Benzo(a)pyrene	6997.33	330	64	6666.67	ND	105	35 - 127	0.286	20	
Benzo(b)fluoranthene	7157.33	330	65	6666.67	ND	107	29 - 126	4.02	20	
Benzo(g,h,i)perylene	6376.67	330	81	6666.67	ND	95.6	26 - 129	0.451	20	
Benzo(k)fluoranthene	6591.33	330	33	6666.67	ND	98.9	36 - 120	4.37	20	
Benzoic acid	3675.33	1600	890	6666.67	ND	55.1	0 - 208	10.6	20	
Benzyl alcohol	5695.33	660	32	6666.67	ND	85.4	32 - 120	12.8	20	
bis(2-chloroethoxy)methane	5194.00	330	64	6666.67	ND	77.9	34 - 108	37.2	20	R

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0991 - MSSEMI_NAL (continued)										
Matrix Spike Dup (B2C0991-MSD1) - Continued			**Source: 2200301-13**			Prepared: 3/7/2022 Analyzed: 3/8/2022				
bis(2-Chloroethyl)ether	4252.00	330	66	6666.67	ND	63.8	34 - 100	2.03	20	
bis(2-chloroisopropyl)ether	4076.67	330	76	6666.67	ND	61.2	21 - 111	3.82	20	
bis(2-ethylhexyl)phthalate	5800.00	330	63	6666.67	ND	87.0	39 - 131	5.25	20	
Butylbenzylphthalate	5946.67	330	41	6666.67	ND	89.2	39 - 129	7.13	20	
Chrysene	7102.00	330	84	6666.67	ND	107	33 - 126	15.6	20	
Di-n-butylphthalate	7142.67	330	51	6666.67	ND	107	42 - 122	11.0	20	
Di-n-octylphthalate	6726.67	330	63	6666.67	ND	101	30 - 147	4.09	20	
Dibenz(a,h)anthracene	6565.33	330	45	6666.67	ND	98.5	30 - 126	1.46	20	
Dibenzofuran	5780.00	330	58	6666.67	ND	86.7	36 - 133	3.31	20	
Diethyl phthalate	6033.33	330	58	6666.67	ND	90.5	28 - 139	3.37	20	
Dimethyl phthalate	6487.33	330	40	6666.67	ND	97.3	32 - 129	5.76	20	
Fluoranthene	7358.00	330	60	6666.67	ND	110	23 - 140	13.5	20	
Fluorene	5769.33	330	110	6666.67	ND	86.5	32 - 130	4.03	20	
Hexachlorobenzene	5777.33	330	55	6666.67	ND	86.7	27 - 148	11.2	20	
Hexachlorobutadiene	5542.00	660	53	6666.67	ND	83.1	29 - 112	7.88	20	
Hexachlorocyclopentadiene	5278.00	660	70	6666.67	ND	79.2	13 - 147	4.36	20	
Hexachloroethane	4428.67	330	94	6666.67	ND	66.4	31 - 104	3.03	20	
Indeno(1,2,3-cd)pyrene	6691.33	330	75	6666.67	ND	100	21 - 137	1.29	20	
Isophorone	5754.00	330	85	6666.67	ND	86.3	34 - 112	14.1	20	
N-Nitroso-di-n propylamine	5129.33	330	60	6666.67	ND	76.9	36 - 115	9.92	20	
N-Nitrosodiphenylamine	7292.00	330	32	6666.67	ND	109	40 - 120	15.9	20	
Naphthalene	5372.67	330	56	6666.67	ND	80.6	33 - 108	11.4	20	
Nitrobenzene	4698.67	330	57	6666.67	ND	70.5	32 - 122	8.98	20	
Pentachlorophenol	6668.00	1600	50	6666.67	ND	100	0 - 151	11.6	20	
Phenanthrene	6446.67	330	67	6666.67	ND	96.7	40 - 122	4.58	20	
Phenol	4739.33	330	34	6666.67	ND	71.1	35 - 112	5.11	20	
Pyrene	7493.33	330	72	6666.67	ND	112	28 - 132	6.25	20	
Pyridine	4794.67	1600	270	6666.67	ND	71.9	5 - 107	0.992	20	
Surrogate: 1,2-Dichlorobenzene-d4	*4485*			*6666.67*		*67.3*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*8210*			*10000.0*		*82.1*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*7423*			*10000.0*		*74.2*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*5752*			*6666.67*		*86.3*	*34 - 106*			
Surrogate: 2-Fluorophenol	*6588*			*10000.0*		*65.9*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*6743*			*6666.67*		*101*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*4900*			*6666.67*		*73.5*	*23 - 102*			
Surrogate: Phenol-d6	*7235*			*10000.0*		*72.4*	*14 - 104*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 3/4/22
Page 1 of 2

2200301

3.0°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) JCV, JHN
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	61W-1-1-1	3/4/22	0810	Soil	1	1			X									
2	61W-1-1-6		0845		5	1	4			X	X	X						
3	61W-1-2-1		0910		1	1			X									
4	61W-1-2-6		0925		5	1	4			X	X	X						
5	61W-1-2-15		0930		5	1	4			X	X	X						
6	61W-1-3-1		1010		1	1			X									
7	61W-1-3-6		1030		5	1	4			X	X	X						
8	61W-1-4-1		1045		1	1			X									
9	61W-1-4-6		1100		5	1	4			X	X	X						
10	61W-1-5-1		1125		1	1			X									
11	61W-1-5-6		1140		5	1	4			X	X	X						
12	61W-1-8-1		1210		1	1			X							X	X	
13	61W-1-8-6		1220		6	2	4			X	X	X	X	X				
14	61W-1-7-1		1320		1	1			X									
15	61W-1-7-5.5		1330		5	1	4			X	X	X						

Relinquished by: (Signature)	3/4/22 1546	Received by: (Signature)	Date: 3/4/22 Time: 1546
Relinquished by: (Signature)	3/4/22 1907	Received by: (Signature) ATL Ethan Tran	Date: 3/4/22 Time: 19:07
Relinquished by: (Signature)		Received by: (Signature)	Date: Time:

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/4/22

2200301

3.0°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) JCV, JHN
TEL: (949) 679-1070 E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
16	6|W-1-7-13	3/4/22	1350	Soil	5	1	4			X	X	X						
17	TB-20220304	3/4/22	1400	water	4		4											X

Relinquished by: (Signature)	3/4/22 1546	Received by: (Signature)	Date: 3/4/22 Time: 1546
Relinquished by: (Signature)	3/4/22 19:07	Received by: (Signature) ATL Ethan Tran	Date: 3/4/22 Time: 19:07
Relinquished by: (Signature)		Received by: (Signature)	Date: Time:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: March 14, 2022

Mr. Jerald Ancheta
Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Tel:(562)989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

Project: **Work Order 2200301**
Lab I.D.: **220308-28**

Dear Mr. Ancheta:

The **analytical results** for the soil sample , received by our lab on March 8, 2022, are attached. The sample was received chilled, intact and accompanying chain of custody record.

Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Pearl Wong
Quality Manager

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or Manager's Designee, as verified by the above signature which applies to this PDS File as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of ELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced Technology Laboratories**
3275 Walnut Avenue, Signal Hill, CA 90755
Tel:(562)989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

PROJECT: **Work Order: 2200301**

MATRIX:SOIL
DATE SAMPLED:03/04/22
REPORT TO:MR. JERALD ANCHETA

DATE RECEIVED:03/08/22
DATE EXTRACTED:03/09-10/22
DATE ANALYZED:03/10/22
DATE REPORTED:03/14/22

SAMPLE I.D.: **ATL Lab#: 2200301-12 / 61W-1-8-1**
LAB I.D.: 220308-28

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Advanced Technology Laboratories**
3275 Walnut Avenue, Signal Hill, CA 90755
TEL(562)989-4045 E-Mail: Carmen.Aguila@ATLGlobal.com

PROJECT: **Work Order: 2200301**

MATRIX:SOIL
DATE SAMPLED:03/04/22
REPORT TO:MR. JERALD ANCHETA

DATE RECEIVED:03/08/22
DATE EXTRACTED:03/09-10/22
DATE ANALYZED:03/10/22
DATE REPORTED:03/14/22

METHOD BLANK FOR LAB I.D.: 220308-28

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report
Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid** Date Analyzed: **3/10~11/2022**
Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 220307-10 MS/MSD

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.050	0.050	**100%**	0.057	**114%**	**13%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.050	0.043	**86%**	70-130
2,4,5-TP	0.050	0.052	**105%**	70-130
Dinoseb	0.250	0.260	**104%**	70-130

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	220307-9	220307-10	220308-28			
DCAA	50-150	104%	98%	103%	124%			

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:								
DCAA	50-150							

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:								
DCAA	50-150							

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

* = *Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: Amy

Final Reviewer: CD

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 2200301

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Jerald Ancheta
(Jerald.Ancheta@atlglobal.com)
Sampler: _Client Sampler

RECEIVING LABORATORY:

Enviro-Chem, Inc.
1214 East Lexington Avenue
Pomona, CA 91766
Phone :(909) 590-5905
Fax:
PO#: SC16074

IMPORTANT : Please 'J-Flag' results to MDL. Please include Work Order # and PO # in your invoice.

QC Requirements:
- [x] Routine
- [ ] MS/MSD
- [ ] Caltrans
- [ ] Level IV*
- [ ] DUP
- [ ] Other: _____

TAT Requirements:
- [x] Standard
- [ ] Rush _____ Days
- [ ] Fastest Possible

EDD Requirements:
- [ ] Standard Excel
- [ ] Geotracker EDF
- [ ] EQuis
- [ ] Other: _____

* All Level IV sample containers (including empty ones) must be returned to ATL 30 days after receipt.

Analysis	Expires	Sampled	Comments
ATL Lab#: 2200301-12 / 61W-1-8-1 8151_SUB [Chlorinated Herbicides]	**Soil** 03/18/22 12:10	**03/04/22 12:10** Glass Jar - 2 oz	

220318 -28

Prepared by: _____ 3/7/22
Sample Control Technician — Date

Inspected by: _____ 3/7/22
PM Lead / SC Lead — Date

Approved by: _____ 3/7/2022
Dedicated ATL Project Manager — Date

	Date	Time
Released By ATL Sample Control	3/8/22	12:15
Released By Courier		
Released By	03/08/22	16:00

	Date	Time
Received By Courier		
Received By Subcontract Laboratory	03/09/22	1215
Received By		

C:\PROGRAM FILES (X86)\PROMIUM\ELEMENT\PRINT\SCO_ATL(A.10).NEW.RPT

May 12, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200307
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 07, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 05/12/22 15:41 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
68-20-2-1	2200307-01	Soil	3/07/22 8:12	3/07/22 16:59
68-20-2-5.5	2200307-02	Soil	3/07/22 8:20	3/07/22 16:59
68-20-3-1	2200307-03	Soil	3/07/22 8:52	3/07/22 16:59
68-20-3-5.5	2200307-04	Soil	3/07/22 9:04	3/07/22 16:59
68-17-4-1	2200307-05	Soil	3/07/22 9:38	3/07/22 16:59
68-17-4-3	2200307-06	Soil	3/07/22 9:46	3/07/22 16:59
68-6-1-1	2200307-07	Soil	3/07/22 10:30	3/07/22 16:59
68-6-1-5.5	2200307-08	Soil	3/07/22 10:40	3/07/22 16:59
68-7-2-1	2200307-09	Soil	3/07/22 11:20	3/07/22 16:59
68-7-2-5.5	2200307-10	Soil	3/07/22 11:30	3/07/22 16:59
68-6-2-1	2200307-11	Soil	3/07/22 13:02	3/07/22 16:59
68-6-2-5.5	2200307-12	Soil	3/07/22 13:13	3/07/22 16:59
68-7-1-1	2200307-13	Soil	3/07/22 13:35	3/07/22 16:59
68-7-1-5.5	2200307-14	Soil	3/07/22 13:55	3/07/22 16:59
TB_20220307	2200307-15	Water	3/07/22 13:20	3/07/22 16:59

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Notes and Definitions

S1	Surrogate recovery was above laboratory acceptance limit. No associated target analyte was detected in the sample.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200307-01	68-20-2-1	**ND**	mg/kg	0.10	1	B2C1000	03/08/2022	03/10/22 14:10	
2200307-03	68-20-3-1	**ND**	mg/kg	0.10	1	B2C1000	03/08/2022	03/10/22 14:23	
2200307-07	68-6-1-1	**ND**	mg/kg	0.10	1	B2C1000	03/08/2022	03/10/22 14:26	
2200307-09	68-7-2-1	**ND**	mg/kg	0.10	1	B2C1000	03/08/2022	03/10/22 14:30	
2200307-11	68-6-2-1	**ND**	mg/kg	0.10	1	B2C1000	03/08/2022	03/10/22 14:33	
2200307-13	68-7-1-1	**ND**	mg/kg	0.10	1	B2C1000	03/08/2022	03/10/22 14:44	

Client Sample ID: 68-20-2-1
Lab ID: 2200307-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Barium	**85**	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Beryllium	**2.4**	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Chromium	**13**	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Cobalt	**4.5**	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Copper	**13**	2.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Lead	**5.2**	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Nickel	**5.7**	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Selenium	**1.4**	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Silver	**4.8**	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Vanadium	**28**	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	
Zinc	**34**	1.0	1	B2C0998	03/09/2022	03/10/22 13:47	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-20-2-5.5

Lab ID: 2200307-02

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Surrogate: 1,2-Dichlorobenzene-d4	*70.1 %*	*12 - 125*		B2C1149	03/14/2022	*03/14/22 23:28*	
Surrogate: 2-Fluorobiphenyl	*83.8 %*	*14 - 139*		B2C1149	03/14/2022	*03/14/22 23:28*	
Surrogate: Nitrobenzene-d5	*63.7 %*	*8 - 155*		B2C1149	03/14/2022	*03/14/22 23:28*	
Surrogate: 4-Terphenyl-d14	*121 %*	*16 - 152*		B2C1149	03/14/2022	*03/14/22 23:28*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 03:04	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 03:04	
Surrogate: p-Terphenyl	*110 %*	*62 - 141*		B2C1020	03/08/2022	*03/09/22 03:04*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,1,1-Trichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,1,2-Trichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-20-2-5.5

Lab ID: 2200307-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,1-Dichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,1-Dichloropropene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2,3-Trichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2-Dibromoethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2-Dichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2-Dichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2-Dichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,3-Dichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,3-Dichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,4-Dichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
2,2-Dichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
2-Chlorotoluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
4-Chlorotoluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
4-Isopropyltoluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Benzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Bromobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Bromochloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Bromodichloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Bromoform	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Bromomethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Carbon disulfide	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Carbon tetrachloride	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Chlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Chloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Chloroform	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Chloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Di-isopropyl ether	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Dibromochloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Dibromomethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Dichlorodifluoromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Ethyl Acetate	ND	47	1	B2C1077	03/11/2022	03/11/22 12:59	
Ethyl Ether	ND	47	1	B2C1077	03/11/2022	03/11/22 12:59	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-20-2-5.5

Lab ID: 2200307-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Ethylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Freon-113	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Hexachlorobutadiene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Isopropylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
m,p-Xylene	ND	9.4	1	B2C1077	03/11/2022	03/11/22 12:59	
Methylene chloride	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
MTBE	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
n-Butylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
n-Propylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Naphthalene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
o-Xylene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
sec-Butylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Styrene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
tert-Amyl methyl ether	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
tert-Butanol	ND	94	1	B2C1077	03/11/2022	03/11/22 12:59	
tert-Butylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Tetrachloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Toluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Trichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Trichlorofluoromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Vinyl acetate	ND	47	1	B2C1077	03/11/2022	03/11/22 12:59	
Vinyl chloride	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Surrogate: 1,2-Dichloroethane-d4	*165 %*	*66 - 200*		B2C1077	03/11/2022	*03/11/22 12:59*	
Surrogate: 4-Bromofluorobenzene	*108 %*	*50 - 146*		B2C1077	03/11/2022	*03/11/22 12:59*	
Surrogate: Dibromofluoromethane	*111 %*	*77 - 159*		B2C1077	03/11/2022	*03/11/22 12:59*	
Surrogate: Toluene-d8	*111 %*	*81 - 128*		B2C1077	03/11/2022	*03/11/22 12:59*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.97	1	B2C1113	03/13/2022	03/13/22 09:23	
Surrogate: 4-Bromofluorobenzene	*89.5 %*	*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 09:23*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-20-3-1

Lab ID: 2200307-03

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Barium	**84**	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Beryllium	**2.3**	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Chromium	**12**	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Cobalt	**4.6**	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Copper	**12**	2.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Lead	**2.6**	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Nickel	**5.4**	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Selenium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Silver	**4.8**	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Vanadium	**28**	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Zinc	**31**	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-20-3-5.5

Lab ID: 2200307-04

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Surrogate: 1,2-Dichlorobenzene-d4	*58.6 %*	*12 - 125*		B2C1149	03/14/2022	*03/14/22 23:54*	
Surrogate: 2-Fluorobiphenyl	*75.4 %*	*14 - 139*		B2C1149	03/14/2022	*03/14/22 23:54*	
Surrogate: Nitrobenzene-d5	*55.1 %*	*8 - 155*		B2C1149	03/14/2022	*03/14/22 23:54*	
Surrogate: 4-Terphenyl-d14	*111 %*	*16 - 152*		B2C1149	03/14/2022	*03/14/22 23:54*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 03:26	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 03:26	
Surrogate: p-Terphenyl	*141 %*	*62 - 141*		B2C1020	03/08/2022	*03/09/22 03:26*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,1,1-Trichloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,1,2,2-Tetrachloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,1,2-Trichloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-20-3-5.5

Lab ID: 2200307-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,1-Dichloroethene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,1-Dichloropropene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2,3-Trichloropropane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2,3-Trichlorobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2,4-Trichlorobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2,4-Trimethylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2-Dibromoethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2-Dichlorobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2-Dichloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2-Dichloropropane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,3,5-Trimethylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,3-Dichlorobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,3-Dichloropropane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,4-Dichlorobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
2,2-Dichloropropane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
2-Chlorotoluene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
4-Chlorotoluene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
4-Isopropyltoluene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Benzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Bromobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Bromochloromethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Bromodichloromethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Bromoform	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Bromomethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Carbon disulfide	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Carbon tetrachloride	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Chlorobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Chloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Chloroform	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Chloromethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
cis-1,2-Dichloroethene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
cis-1,3-Dichloropropene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Di-isopropyl ether	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Dibromochloromethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Dibromomethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Dichlorodifluoromethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Ethyl Acetate	ND	55	1	B2C1077	03/11/2022	03/11/22 13:25	
Ethyl Ether	ND	55	1	B2C1077	03/11/2022	03/11/22 13:25	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-20-3-5.5

Lab ID: 2200307-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Ethylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Freon-113	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Hexachlorobutadiene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Isopropylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
m,p-Xylene	ND	11	1	B2C1077	03/11/2022	03/11/22 13:25	
Methylene chloride	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
MTBE	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
n-Butylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
n-Propylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Naphthalene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
o-Xylene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
sec-Butylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Styrene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
tert-Amyl methyl ether	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
tert-Butanol	ND	110	1	B2C1077	03/11/2022	03/11/22 13:25	
tert-Butylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Tetrachloroethene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Toluene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
trans-1,2-Dichloroethene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
trans-1,3-Dichloropropene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Trichloroethene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Trichlorofluoromethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Vinyl acetate	ND	55	1	B2C1077	03/11/2022	03/11/22 13:25	
Vinyl chloride	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Surrogate: 1,2-Dichloroethane-d4	*141 %*	*66 - 200*		B2C1077	03/11/2022	*03/11/22 13:25*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*50 - 146*		B2C1077	03/11/2022	*03/11/22 13:25*	
Surrogate: Dibromofluoromethane	*104 %*	*77 - 159*		B2C1077	03/11/2022	*03/11/22 13:25*	
Surrogate: Toluene-d8	*109 %*	*81 - 128*		B2C1077	03/11/2022	*03/11/22 13:25*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C1113	03/13/2022	03/13/22 09:48	
Surrogate: 4-Bromofluorobenzene	*85.4 %*	*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 09:48*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-17-4-1
Lab ID: 2200307-05

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 03:47	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 03:47	
Surrogate: p-Terphenyl	*103 %*	*62 - 141*		B2C1020	03/08/2022	*03/09/22 03:47*	

Polychlorinated Biphenyls by EPA 8082

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Aroclor 1221	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Aroclor 1232	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Aroclor 1242	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Aroclor 1248	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Aroclor 1254	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Aroclor 1260	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Surrogate: Decachlorobiphenyl	*61.2 %*	*0 - 87*		B2C1010	03/08/2022	*03/09/22 18:50*	
Surrogate: Tetrachloro-m-xylene	*54.8 %*	*0 - 103*		B2C1010	03/08/2022	*03/09/22 18:50*	

Gasoline Range Hydrocarbons by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C6-C12	ND	1.0	1	B2C1152	03/15/2022	03/15/22 03:37	
Surrogate: 4-Bromofluorobenzene	*91.3 %*	*47.6 - 121.18*		B2C1152	03/15/2022	*03/15/22 03:37*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-6-1-1

Lab ID: 2200307-07

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Barium	**110**	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Beryllium	**3.0**	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Chromium	**17**	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Cobalt	**6.3**	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Copper	**14**	2.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Lead	**3.2**	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Nickel	**7.4**	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Selenium	**1.1**	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Silver	**5.9**	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Vanadium	**36**	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Zinc	**41**	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-6-1-5.5

Lab ID: 2200307-08

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Surrogate: 1,2-Dichlorobenzene-d4	*62.8 %*	*12 - 125*		B2C1149	03/14/2022	*03/15/22 00:20*	
Surrogate: 2-Fluorobiphenyl	*80.0 %*	*14 - 139*		B2C1149	03/14/2022	*03/15/22 00:20*	
Surrogate: Nitrobenzene-d5	*61.8 %*	*8 - 155*		B2C1149	03/14/2022	*03/15/22 00:20*	
Surrogate: 4-Terphenyl-d14	*107 %*	*16 - 152*		B2C1149	03/14/2022	*03/15/22 00:20*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 04:08	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 04:08	
Surrogate: p-Terphenyl	*142 %*	*62 - 141*		B2C1020	03/08/2022	*03/09/22 04:08*	S1

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,1,1-Trichloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,1,2-Trichloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-6-1-5.5

Lab ID: 2200307-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,1-Dichloroethene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,1-Dichloropropene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2,3-Trichloropropane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2,3-Trichlorobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2,4-Trichlorobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2,4-Trimethylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2-Dibromoethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2-Dichlorobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2-Dichloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2-Dichloropropane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,3,5-Trimethylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,3-Dichlorobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,3-Dichloropropane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,4-Dichlorobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
2,2-Dichloropropane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
2-Chlorotoluene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
4-Chlorotoluene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
4-Isopropyltoluene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Benzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Bromobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Bromochloromethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Bromodichloromethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Bromoform	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Bromomethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Carbon disulfide	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Carbon tetrachloride	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Chlorobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Chloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Chloroform	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Chloromethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
cis-1,2-Dichloroethene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
cis-1,3-Dichloropropene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Di-isopropyl ether	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Dibromochloromethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Dibromomethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Dichlorodifluoromethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Ethyl Acetate	ND	51	1	B2C1077	03/11/2022	03/11/22 13:50	
Ethyl Ether	ND	51	1	B2C1077	03/11/2022	03/11/22 13:50	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-6-1-5.5

Lab ID: 2200307-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Ethylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Freon-113	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Hexachlorobutadiene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Isopropylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
m,p-Xylene	ND	10	1	B2C1077	03/11/2022	03/11/22 13:50	
Methylene chloride	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
MTBE	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
n-Butylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
n-Propylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Naphthalene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
o-Xylene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
sec-Butylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Styrene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
tert-Amyl methyl ether	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
tert-Butanol	ND	100	1	B2C1077	03/11/2022	03/11/22 13:50	
tert-Butylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Tetrachloroethene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Toluene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
trans-1,2-Dichloroethene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
trans-1,3-Dichloropropene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Trichloroethene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Trichlorofluoromethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Vinyl acetate	ND	51	1	B2C1077	03/11/2022	03/11/22 13:50	
Vinyl chloride	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Surrogate: 1,2-Dichloroethane-d4	*149 %*	*66 - 200*		B2C1077	03/11/2022	*03/11/22 13:50*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*50 - 146*		B2C1077	03/11/2022	*03/11/22 13:50*	
Surrogate: Dibromofluoromethane	*103 %*	*77 - 159*		B2C1077	03/11/2022	*03/11/22 13:50*	
Surrogate: Toluene-d8	*112 %*	*81 - 128*		B2C1077	03/11/2022	*03/11/22 13:50*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.90	1	B2C1113	03/13/2022	03/13/22 10:12	
Surrogate: 4-Bromofluorobenzene	*90.9 %*	*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 10:12*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-7-2-1

Lab ID: 2200307-09

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Barium	**120**	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Beryllium	**3.3**	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Chromium	**18**	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Cobalt	**7.2**	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Copper	**16**	2.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Lead	**4.1**	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Nickel	**8.4**	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Selenium	**2.4**	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Silver	**6.6**	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Vanadium	**39**	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Zinc	**46**	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-7-2-5.5

Lab ID: 2200307-10

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Surrogate: 1,2-Dichlorobenzene-d4	*67.1 %*	*12 - 125*		B2C1149	03/14/2022	*03/15/22 00:45*	
Surrogate: 2-Fluorobiphenyl	*85.2 %*	*14 - 139*		B2C1149	03/14/2022	*03/15/22 00:45*	
Surrogate: Nitrobenzene-d5	*65.0 %*	*8 - 155*		B2C1149	03/14/2022	*03/15/22 00:45*	
Surrogate: 4-Terphenyl-d14	*114 %*	*16 - 152*		B2C1149	03/14/2022	*03/15/22 00:45*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 04:30	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 04:30	
Surrogate: p-Terphenyl	*119 %*	*62 - 141*		B2C1020	03/08/2022	*03/09/22 04:30*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,1,1-Trichloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,1,2-Trichloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-7-2-5.5

Lab ID: 2200307-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,1-Dichloroethene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,1-Dichloropropene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2,3-Trichloropropane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2-Dibromoethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2-Dichlorobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2-Dichloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2-Dichloropropane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,3-Dichlorobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,3-Dichloropropane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,4-Dichlorobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
2,2-Dichloropropane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
2-Chlorotoluene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
4-Chlorotoluene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
4-Isopropyltoluene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Benzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Bromobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Bromochloromethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Bromodichloromethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Bromoform	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Bromomethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Carbon disulfide	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Carbon tetrachloride	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Chlorobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Chloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Chloroform	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Chloromethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Di-isopropyl ether	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Dibromochloromethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Dibromomethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Dichlorodifluoromethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Ethyl Acetate	ND	43	1	B2C1077	03/11/2022	03/11/22 14:16	
Ethyl Ether	ND	43	1	B2C1077	03/11/2022	03/11/22 14:16	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-7-2-5.5

Lab ID: 2200307-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Ethylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Freon-113	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Hexachlorobutadiene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Isopropylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
m,p-Xylene	ND	8.6	1	B2C1077	03/11/2022	03/11/22 14:16	
Methylene chloride	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
MTBE	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
n-Butylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
n-Propylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Naphthalene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
o-Xylene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
sec-Butylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Styrene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
tert-Amyl methyl ether	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
tert-Butanol	ND	86	1	B2C1077	03/11/2022	03/11/22 14:16	
tert-Butylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Tetrachloroethene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Toluene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Trichloroethene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Trichlorofluoromethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Vinyl acetate	ND	43	1	B2C1077	03/11/2022	03/11/22 14:16	
Vinyl chloride	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Surrogate: 1,2-Dichloroethane-d4	*175 %*	*66 - 200*		B2C1077	03/11/2022	*03/11/22 14:16*	
Surrogate: 4-Bromofluorobenzene	*106 %*	*50 - 146*		B2C1077	03/11/2022	*03/11/22 14:16*	
Surrogate: Dibromofluoromethane	*120 %*	*77 - 159*		B2C1077	03/11/2022	*03/11/22 14:16*	
Surrogate: Toluene-d8	*110 %*	*81 - 128*		B2C1077	03/11/2022	*03/11/22 14:16*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C1113	03/13/2022	03/13/22 10:37	
Surrogate: 4-Bromofluorobenzene	*89.3 %*	*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 10:37*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-6-2-1

Lab ID: 2200307-11

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Barium	**110**	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Beryllium	**3.1**	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Chromium	**17**	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Cobalt	**6.5**	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Copper	**13**	2.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Lead	**3.6**	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Nickel	**7.2**	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Selenium	**1.7**	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Silver	**6.2**	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Vanadium	**37**	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Zinc	**43**	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-6-2-5.5

Lab ID: 2200307-12

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Surrogate: 1,2-Dichlorobenzene-d4	*69.7 %*	*12 - 125*		B2C1149	03/14/2022	*03/15/22 01:12*	
Surrogate: 2-Fluorobiphenyl	*84.0 %*	*14 - 139*		B2C1149	03/14/2022	*03/15/22 01:12*	
Surrogate: Nitrobenzene-d5	*65.1 %*	*8 - 155*		B2C1149	03/14/2022	*03/15/22 01:12*	
Surrogate: 4-Terphenyl-d14	*117 %*	*16 - 152*		B2C1149	03/14/2022	*03/15/22 01:12*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 04:51	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 04:51	
Surrogate: p-Terphenyl	*138 %*	*62 - 141*		B2C1020	03/08/2022	*03/09/22 04:51*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,1,1-Trichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,1,2-Trichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-6-2-5.5

Lab ID: 2200307-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,1-Dichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,1-Dichloropropene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2,3-Trichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2-Dibromo-3-chloropropane	ND	9.5	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2-Dibromoethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2-Dichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2-Dichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2-Dichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,3-Dichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,3-Dichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,4-Dichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
2,2-Dichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
2-Chlorotoluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
4-Chlorotoluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
4-Isopropyltoluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Benzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Bromobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Bromochloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Bromodichloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Bromoform	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Bromomethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Carbon disulfide	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Carbon tetrachloride	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Chlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Chloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Chloroform	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Chloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Di-isopropyl ether	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Dibromochloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Dibromomethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Dichlorodifluoromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Ethyl Acetate	ND	47	1	B2C1077	03/11/2022	03/11/22 14:42	
Ethyl Ether	ND	47	1	B2C1077	03/11/2022	03/11/22 14:42	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-6-2-5.5

Lab ID: 2200307-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Ethylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Freon-113	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Hexachlorobutadiene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Isopropylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
m,p-Xylene	ND	9.5	1	B2C1077	03/11/2022	03/11/22 14:42	
Methylene chloride	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
MTBE	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
n-Butylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
n-Propylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Naphthalene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
o-Xylene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
sec-Butylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Styrene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
tert-Amyl methyl ether	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
tert-Butanol	ND	95	1	B2C1077	03/11/2022	03/11/22 14:42	
tert-Butylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Tetrachloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Toluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Trichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Trichlorofluoromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Vinyl acetate	ND	47	1	B2C1077	03/11/2022	03/11/22 14:42	
Vinyl chloride	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Surrogate: 1,2-Dichloroethane-d4	*155 %*	*66 - 200*		B2C1077	03/11/2022	*03/11/22 14:42*	
Surrogate: 4-Bromofluorobenzene	*104 %*	*50 - 146*		B2C1077	03/11/2022	*03/11/22 14:42*	
Surrogate: Dibromofluoromethane	*110 %*	*77 - 159*		B2C1077	03/11/2022	*03/11/22 14:42*	
Surrogate: Toluene-d8	*107 %*	*81 - 128*		B2C1077	03/11/2022	*03/11/22 14:42*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.95	1	B2C1113	03/13/2022	03/13/22 11:01	
Surrogate: 4-Bromofluorobenzene	*88.3 %*	*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 11:01*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-7-1-1

Lab ID: 2200307-13

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Barium	**69**	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Beryllium	**1.9**	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Chromium	**11**	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Cobalt	**4.6**	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Copper	**8.9**	2.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Lead	**2.6**	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Nickel	**5.0**	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Selenium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Silver	**3.7**	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Vanadium	**24**	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Zinc	**29**	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-7-1-5.5

Lab ID: 2200307-14

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Surrogate: 1,2-Dichlorobenzene-d4	*71.6 %*	*12 - 125*		B2C1149	03/14/2022	*03/15/22 01:37*	
Surrogate: 2-Fluorobiphenyl	*84.2 %*	*14 - 139*		B2C1149	03/14/2022	*03/15/22 01:37*	
Surrogate: Nitrobenzene-d5	*64.7 %*	*8 - 155*		B2C1149	03/14/2022	*03/15/22 01:37*	
Surrogate: 4-Terphenyl-d14	*118 %*	*16 - 152*		B2C1149	03/14/2022	*03/15/22 01:37*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 05:12	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 05:12	
Surrogate: p-Terphenyl	*122 %*	*62 - 141*		B2C1020	03/08/2022	*03/09/22 05:12*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,1,1-Trichloroethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,1,2-Trichloroethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-7-1-5.5

Lab ID: 2200307-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,1-Dichloroethene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,1-Dichloropropene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2,3-Trichloropropane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2-Dibromo-3-chloropropane	ND	9.2	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2-Dibromoethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2-Dichlorobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2-Dichloroethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2-Dichloropropane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,3-Dichlorobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,3-Dichloropropane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,4-Dichlorobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
2,2-Dichloropropane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
2-Chlorotoluene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
4-Chlorotoluene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
4-Isopropyltoluene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Benzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Bromobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Bromochloromethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Bromodichloromethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Bromoform	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Bromomethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Carbon disulfide	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Carbon tetrachloride	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Chlorobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Chloroethane	**17**	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Chloroform	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Chloromethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Di-isopropyl ether	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Dibromochloromethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Dibromomethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Dichlorodifluoromethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Ethyl Acetate	ND	46	1	B2C1077	03/11/2022	03/11/22 15:07	
Ethyl Ether	ND	46	1	B2C1077	03/11/2022	03/11/22 15:07	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-7-1-5.5

Lab ID: 2200307-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Ethylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Freon-113	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Hexachlorobutadiene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Isopropylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
m,p-Xylene	ND	9.2	1	B2C1077	03/11/2022	03/11/22 15:07	
Methylene chloride	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
MTBE	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
n-Butylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
n-Propylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Naphthalene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
o-Xylene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
sec-Butylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Styrene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
tert-Amyl methyl ether	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
tert-Butanol	ND	92	1	B2C1077	03/11/2022	03/11/22 15:07	
tert-Butylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Tetrachloroethene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Toluene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Trichloroethene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Trichlorofluoromethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Vinyl acetate	ND	46	1	B2C1077	03/11/2022	03/11/22 15:07	
Vinyl chloride	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Surrogate: 1,2-Dichloroethane-d4	*161 %*	*66 - 200*		B2C1077	03/11/2022	*03/11/22 15:07*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*50 - 146*		B2C1077	03/11/2022	*03/11/22 15:07*	
Surrogate: Dibromofluoromethane	*108 %*	*77 - 159*		B2C1077	03/11/2022	*03/11/22 15:07*	
Surrogate: Toluene-d8	*112 %*	*81 - 128*		B2C1077	03/11/2022	*03/11/22 15:07*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C1113	03/13/2022	03/13/22 11:26	
Surrogate: 4-Bromofluorobenzene	*88.0 %*	*47.6 - 121.18*		B2C1113	03/13/2022	*03/13/22 11:26*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

QUALITY CONTROL SECTION

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1149 - MSSEMI_S										
Blank (B2C1149-BLK1)						Prepared: 3/14/2022 Analyzed: 3/14/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	ND	5.0	0.45							
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	ND	5.0	0.34							
Pyrene	ND	5.0	0.51							
Surrogate: 1,2-Dichlorobenzene-d4	*21.80*			*33.3333*		*65.4*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*26.94*			*33.3333*		*80.8*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*15.54*			*33.3333*		*46.6*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*39.03*			*33.3333*		*117*	*16 - 152*			
LCS (B2C1149-BS1)						Prepared: 3/14/2022 Analyzed: 3/14/2022				
2-Methylnaphthalene	23.0107	5.0	0.60	33.3333		69.0	39 - 92			
Acenaphthene	26.6737	5.0	0.41	33.3333		80.0	35 - 94			
Acenaphthylene	29.3323	5.0	0.41	33.3333		88.0	31 - 101			
Anthracene	23.4793	5.0	0.56	33.3333		70.4	37 - 95			
Benzo(a)anthracene	26.5360	5.0	0.56	33.3333		79.6	43 - 102			
Benzo(a)pyrene	27.0590	5.0	0.69	33.3333		81.2	38 - 95			
Benzo(b)fluoranthene	28.9413	5.0	2.2	33.3333		86.8	44 - 102			
Benzo(g,h,i)perylene	23.5337	5.0	0.80	33.3333		70.6	34 - 114			
Benzo(k)fluoranthene	27.0187	5.0	0.70	33.3333		81.1	34 - 110			
Chrysene	30.3950	5.0	0.61	33.3333		91.2	46 - 101			
Dibenz(a,h)anthracene	23.8210	5.0	0.88	33.3333		71.5	35 - 117			
Fluoranthene	28.1763	5.0	0.45	33.3333		84.5	46 - 107			
Fluorene	27.9957	5.0	0.35	33.3333		84.0	35 - 98			
Indeno(1,2,3-cd)pyrene	24.2050	5.0	0.82	33.3333		72.6	35 - 114			
Naphthalene	23.5307	5.0	0.56	33.3333		70.6	39 - 86			
Phenanthrene	27.7383	5.0	0.34	33.3333		83.2	43 - 98			
Pyrene	28.3930	5.0	0.51	33.3333		85.2	44 - 108			
Surrogate: 1,2-Dichlorobenzene-d4	*23.08*			*33.3333*		*69.2*	*12 - 125*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1149 - MSSEMI_S (continued)										
LCS (B2C1149-BS1) - Continued						Prepared: 3/14/2022 Analyzed: 3/14/2022				
Surrogate: 2-Fluorobiphenyl	*26.75*			*33.3333*		*80.3*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*21.65*			*33.3333*		*65.0*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*33.48*			*33.3333*		*100*	*16 - 152*			
Matrix Spike (B2C1149-MS1)			**Source: 2200307-10**			Prepared: 3/14/2022 Analyzed: 3/14/2022				
2-Methylnaphthalene	24.6897	5.0	0.60	33.3333	ND	74.1	43 - 120			
Acenaphthene	30.1083	5.0	0.41	33.3333	ND	90.3	52 - 113			
Acenaphthylene	30.6713	5.0	0.41	33.3333	ND	92.0	44 - 126			
Anthracene	27.9053	5.0	0.56	33.3333	ND	83.7	49 - 128			
Benzo(a)anthracene	29.1493	5.0	0.56	33.3333	ND	87.4	32 - 158			
Benzo(a)pyrene	27.2937	5.0	0.69	33.3333	ND	81.9	39 - 137			
Benzo(b)fluoranthene	31.1577	5.0	2.2	33.3333	ND	93.5	52 - 132			
Benzo(g,h,i)perylene	27.3143	5.0	0.80	33.3333	ND	81.9	35 - 162			
Benzo(k)fluoranthene	30.0907	5.0	0.70	33.3333	ND	90.3	18 - 153			
Chrysene	33.2883	5.0	0.61	33.3333	ND	99.9	25 - 160			
Dibenz(a,h)anthracene	27.0950	5.0	0.88	33.3333	ND	81.3	41 - 155			
Fluoranthene	30.7537	5.0	0.45	33.3333	ND	92.3	5 - 185			
Fluorene	29.2517	5.0	0.35	33.3333	ND	87.8	28 - 135			
Indeno(1,2,3-cd)pyrene	27.4323	5.0	0.82	33.3333	ND	82.3	36 - 162			
Naphthalene	25.6073	5.0	0.56	33.3333	ND	76.8	41 - 113			
Phenanthrene	30.0330	5.0	0.34	33.3333	ND	90.1	35 - 143			
Pyrene	31.0980	5.0	0.51	33.3333	ND	93.3	10 - 184			
Surrogate: 1,2-Dichlorobenzene-d4	*25.23*			*33.3333*		*75.7*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*28.33*			*33.3333*		*85.0*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*24.93*			*33.3333*		*74.8*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*37.57*			*33.3333*		*113*	*16 - 152*			
Matrix Spike Dup (B2C1149-MSD1)			**Source: 2200307-10**			Prepared: 3/14/2022 Analyzed: 3/14/2022				
2-Methylnaphthalene	21.2197	5.0	0.60	33.3333	ND	63.7	43 - 120	15.1	20	
Acenaphthene	25.1877	5.0	0.41	33.3333	ND	75.6	52 - 113	17.8	20	
Acenaphthylene	28.0250	5.0	0.41	33.3333	ND	84.1	44 - 126	9.02	20	
Anthracene	24.8657	5.0	0.56	33.3333	ND	74.6	49 - 128	11.5	20	
Benzo(a)anthracene	25.6723	5.0	0.56	33.3333	ND	77.0	32 - 158	12.7	20	
Benzo(a)pyrene	24.1357	5.0	0.69	33.3333	ND	72.4	39 - 137	12.3	20	
Benzo(b)fluoranthene	27.3750	5.0	2.2	33.3333	ND	82.1	52 - 132	12.9	20	
Benzo(g,h,i)perylene	24.0880	5.0	0.80	33.3333	ND	72.3	35 - 162	12.6	20	
Benzo(k)fluoranthene	25.7330	5.0	0.70	33.3333	ND	77.2	18 - 153	15.6	20	
Chrysene	28.6320	5.0	0.61	33.3333	ND	85.9	25 - 160	15.0	20	
Dibenz(a,h)anthracene	22.0493	5.0	0.88	33.3333	ND	66.1	41 - 155	20.5	20	R
Fluoranthene	28.8287	5.0	0.45	33.3333	ND	86.5	5 - 185	6.46	20	
Fluorene	26.7893	5.0	0.35	33.3333	ND	80.4	28 - 135	8.79	20	
Indeno(1,2,3-cd)pyrene	23.2723	5.0	0.82	33.3333	ND	69.8	36 - 162	16.4	20	
Naphthalene	22.2973	5.0	0.56	33.3333	ND	66.9	41 - 113	13.8	20	
Phenanthrene	24.4213	5.0	0.34	33.3333	ND	73.3	35 - 143	20.6	20	R
Pyrene	29.1253	5.0	0.51	33.3333	ND	87.4	10 - 184	6.55	20	

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19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1149 - MSSEMI_S (continued)									
Matrix Spike Dup (B2C1149-MSD1) - Continued			**Source: 2200307-10**		Prepared: 3/14/2022 Analyzed: 3/14/2022				
Surrogate: 1,2-Dichlorobenzene-d4	*19.21*		*33.3333*		*57.6*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*23.23*		*33.3333*		*69.7*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*20.99*		*33.3333*		*63.0*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*32.25*		*33.3333*		*96.7*	*16 - 152*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1113 - GCVOA_S										
Blank (B2C1113-BLK1)						Prepared: 3/13/2022 Analyzed: 3/13/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6856*			*0.800000*		*85.7*	*47.6 - 121.18*			
LCS (B2C1113-BS1)						Prepared: 3/13/2022 Analyzed: 3/13/2022				
Gasoline Range Organics	6.48500	1.0	0.13	5.00000		130	68.69 - 124.04			L5
Surrogate: 4-Bromofluorobenzene	*0.7330*			*0.800000*		*91.6*	*47.6 - 121.18*			
LCS Dup (B2C1113-BSD1)						Prepared: 3/13/2022 Analyzed: 3/13/2022				
Gasoline Range Organics	6.67200	1.0	0.13	5.00000		133	68.69 - 124.04	2.84	20	L5
Surrogate: 4-Bromofluorobenzene	*0.6877*			*0.800000*		*86.0*	*47.6 - 121.18*			

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GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Gasoline Range Hydrocarbons by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1152 - GCVOA_S										
Blank (B2C1152-BLK1)						Prepared: 3/15/2022 Analyzed: 3/15/2022				
C6-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6919*			*0.800000*		*86.5*	*47.6 - 121.18*			
LCS (B2C1152-BS1)						Prepared: 3/15/2022 Analyzed: 3/15/2022				
Gasoline Range Organics	5.74600	1.0	0.13	5.00000		115	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7734*			*0.800000*		*96.7*	*47.6 - 121.18*			
LCS Dup (B2C1152-BSD1)						Prepared: 3/15/2022 Analyzed: 3/15/2022				
Gasoline Range Organics	5.63400	1.0	0.13	5.00000		113	68.69 - 124.04	1.97	20	
Surrogate: 4-Bromofluorobenzene	*0.7505*			*0.800000*		*93.8*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0998 - EPA 3050B_S										
Blank (B2C0998-BLK1)						Prepared: 3/8/2022 Analyzed: 3/10/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C0998-BS1)						Prepared: 3/8/2022 Analyzed: 3/10/2022				
Antimony	24.3825	2.0	0.51	25.0000		97.5	80 - 120			
Arsenic	23.6670	1.0	0.12	25.0000		94.7	80 - 120			
Barium	24.3631	1.0	0.12	25.0000		97.5	80 - 120			
Beryllium	25.5230	1.0	0.03	25.0100		102	80 - 120			
Cadmium	24.2410	1.0	0.14	25.0000		97.0	80 - 120			
Chromium	25.4216	1.0	0.26	25.0000		102	80 - 120			
Cobalt	26.4981	1.0	0.07	25.0000		106	80 - 120			
Copper	25.1230	2.0	0.19	25.0000		100	80 - 120			
Lead	24.5395	1.0	0.18	25.0000		98.2	80 - 120			
Molybdenum	25.4814	1.0	0.12	25.0000		102	80 - 120			
Nickel	24.7267	1.0	0.18	25.0000		98.9	80 - 120			
Selenium	24.2986	1.0	0.40	25.0000		97.2	80 - 120			
Silver	11.8688	1.0	0.12	12.5000		95.0	80 - 120			
Thallium	24.0603	1.0	0.38	25.0000		96.2	80 - 120			
Vanadium	25.0982	1.0	0.06	25.0000		100	80 - 120			
Zinc	24.0894	1.0	0.15	25.0000		96.4	80 - 120			
Matrix Spike (B2C0998-MS1)			**Source: 2200306-18**			Prepared: 3/8/2022 Analyzed: 3/10/2022				
Antimony	8.99032	2.0	0.51	25.0000	0.767699	32.9	0 - 102			
Arsenic	21.8225	1.0	0.12	25.0000	1.15705	82.7	55 - 117			
Barium	158.461	1.0	0.12	25.0000	154.542	15.7	11 - 177			
Beryllium	21.6015	1.0	0.03	25.0100	2.52953	76.3	64 - 115			
Cadmium	20.8251	1.0	0.14	25.0000	0.649616	80.7	62 - 116			
Chromium	45.6958	1.0	0.26	25.0000	24.2971	85.6	42 - 145			
Cobalt	32.8511	1.0	0.07	25.0000	10.9267	87.7	60 - 126			
Copper	44.6293	2.0	0.19	25.0000	20.3937	96.9	37 - 163			
Lead	26.3390	1.0	0.18	25.0000	6.40960	79.7	26 - 161			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C0998 - EPA 3050B_S (continued)										
Matrix Spike (B2C0998-MS1) - Continued			**Source: 2200306-18**				Prepared: 3/8/2022 Analyzed: 3/10/2022			
Molybdenum	20.2870	1.0	0.12	25.0000	0.835638	77.8	31 - 122			
Nickel	33.5444	1.0	0.18	25.0000	15.2025	73.4	52 - 130			
Selenium	24.2934	1.0	0.40	25.0000	2.81860	85.9	25 - 129			
Silver	14.5617	1.0	0.12	12.5000	4.20929	82.8	48 - 133			
Thallium	18.7028	1.0	0.38	25.0000	ND	74.8	25 - 119			
Vanadium	59.6018	1.0	0.06	25.0000	38.4505	84.6	51 - 141			
Zinc	76.9880	1.0	0.15	25.0000	57.3615	78.5	8 - 170			
Matrix Spike Dup (B2C0998-MSD1)			**Source: 2200306-18**				Prepared: 3/8/2022 Analyzed: 3/10/2022			
Antimony	9.24372	2.0	0.51	25.0000	0.767699	33.9	0 - 102	2.78	20	
Arsenic	21.6531	1.0	0.12	25.0000	1.15705	82.0	55 - 117	0.779	20	
Barium	166.466	1.0	0.12	25.0000	154.542	47.7	11 - 177	4.93	20	
Beryllium	22.0546	1.0	0.03	25.0100	2.52953	78.1	64 - 115	2.08	20	
Cadmium	21.2185	1.0	0.14	25.0000	0.649616	82.3	62 - 116	1.87	20	
Chromium	46.0856	1.0	0.26	25.0000	24.2971	87.2	42 - 145	0.849	20	
Cobalt	33.0930	1.0	0.07	25.0000	10.9267	88.7	60 - 126	0.734	20	
Copper	44.4820	2.0	0.19	25.0000	20.3937	96.4	37 - 163	0.331	20	
Lead	26.6552	1.0	0.18	25.0000	6.40960	81.0	26 - 161	1.19	20	
Molybdenum	20.7878	1.0	0.12	25.0000	0.835638	79.8	31 - 122	2.44	20	
Nickel	33.1697	1.0	0.18	25.0000	15.2025	71.9	52 - 130	1.12	20	
Selenium	23.8123	1.0	0.40	25.0000	2.81860	84.0	25 - 129	2.00	20	
Silver	15.0971	1.0	0.12	12.5000	4.20929	87.1	48 - 133	3.61	20	
Thallium	19.4044	1.0	0.38	25.0000	ND	77.6	25 - 119	3.68	20	
Vanadium	60.6695	1.0	0.06	25.0000	38.4505	88.9	51 - 141	1.78	20	
Zinc	78.9828	1.0	0.15	25.0000	57.3615	86.5	8 - 170	2.56	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1000 - EPA 7471_S										
Blank (B2C1000-BLK1)						Prepared: 3/8/2022 Analyzed: 3/10/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1000-BS1)						Prepared: 3/8/2022 Analyzed: 3/10/2022				
Mercury	0.395171	0.10	0.01	0.416667		94.8	80 - 120			
Matrix Spike (B2C1000-MS1)			**Source: 2200307-01**			Prepared: 3/8/2022 Analyzed: 3/10/2022				
Mercury	0.465905	0.10	0.01	0.416667	0.034296	104	70 - 130			
Matrix Spike Dup (B2C1000-MSD1)			**Source: 2200307-01**			Prepared: 3/8/2022 Analyzed: 3/10/2022				
Mercury	0.479818	0.10	0.01	0.416667	0.034296	107	70 - 130	2.94	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1000 - EPA 7471_S									
Post Spike (B2C1000-PS1)			**Source: 2200307-01**		Prepared: 3/8/2022 Analyzed: 3/10/2022				
Mercury	0.005884		5.00000E-3	0.000412	109	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1020 - GCSEMI_DRO_S										
Blank (B2C1020-BLK1)						Prepared: 3/8/2022 Analyzed: 3/8/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*93.20*			*80.0000*		*117*	*62 - 141*			
LCS (B2C1020-BS1)						Prepared: 3/8/2022 Analyzed: 3/8/2022				
DRO	985.537	10	3.6	1000.00		98.6	56 - 139			
Surrogate: p-Terphenyl	*95.67*			*80.0000*		*120*	*62 - 141*			
Matrix Spike (B2C1020-MS1)			**Source: 2200310-01**			Prepared: 3/8/2022 Analyzed: 3/8/2022				
DRO	978.148	10	3.6	1000.00	15.8340	96.2	38 - 161			
Surrogate: p-Terphenyl	*100.3*			*80.0000*		*125*	*62 - 141*			
Matrix Spike Dup (B2C1020-MSD1)			**Source: 2200310-01**			Prepared: 3/8/2022 Analyzed: 3/8/2022				
DRO	978.425	10	3.6	1000.00	15.8340	96.3	38 - 161	0.0283	20	
Surrogate: p-Terphenyl	*97.99*			*80.0000*		*122*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1010 - GCSEMI_PCB/PEST_S										
Blank (B2C1010-BLK1)						Prepared: 3/8/2022 Analyzed: 3/8/2022				
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
Surrogate: Decachlorobiphenyl	*9.606*			*16.6667*		*57.6*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*10.71*			*16.6667*		*64.2*	*0 - 103*			
Blank (B2C1010-BLK2)						Prepared: 3/8/2022 Analyzed: 3/9/2022				
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
Surrogate: Decachlorobiphenyl	*8.972*			*16.6667*		*53.8*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*7.916*			*16.6667*		*47.5*	*0 - 103*			
LCS (B2C1010-BS1)						Prepared: 3/8/2022 Analyzed: 3/8/2022				
Aroclor 1016	112.976	16	1.9	166.667		67.8	11 - 108			
Aroclor 1260	113.380	16	1.9	166.667		68.0	19 - 112			
Surrogate: Decachlorobiphenyl	*9.464*			*16.6667*		*56.8*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*10.75*			*16.6667*		*64.5*	*0 - 103*			
LCS (B2C1010-BS2)						Prepared: 3/8/2022 Analyzed: 3/9/2022				
Aroclor 1016	74.0312	16	1.9	166.667		44.4	11 - 108			
Aroclor 1260	94.3393	16	1.9	166.667		56.6	19 - 112			
Surrogate: Decachlorobiphenyl	*8.987*			*16.6667*		*53.9*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*7.703*			*16.6667*		*46.2*	*0 - 103*			
Matrix Spike (B2C1010-MS1)			**Source: 2200308-03**			Prepared: 3/8/2022 Analyzed: 3/8/2022				
Aroclor 1016	118.228	16	1.9	166.667	ND	70.9	0 - 135			
Aroclor 1260	124.500	16	1.9	166.667	9.42633	69.0	0 - 127			
Surrogate: Decachlorobiphenyl	*10.20*			*16.6667*		*61.2*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*11.69*			*16.6667*		*70.2*	*0 - 103*			
Matrix Spike Dup (B2C1010-MSD1)			**Source: 2200308-03**			Prepared: 3/8/2022 Analyzed: 3/8/2022				
Aroclor 1016	122.692	16	1.9	166.667	ND	73.6	0 - 135	3.71	20	
Aroclor 1260	126.334	16	1.9	166.667	9.42633	70.1	0 - 127	1.46	20	
Surrogate: Decachlorobiphenyl	*10.15*			*16.6667*		*60.9*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*11.32*			*16.6667*		*67.9*	*0 - 103*			

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1010 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike Dup (B2C1010-MSD1) - Continued			**Source: 2200308-03**			Prepared: 3/8/2022 Analyzed: 3/8/2022			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1077 - MSVOA_S										
Blank (B2C1077-BLK1)							Prepared: 3/11/2022 Analyzed: 3/11/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1077 - MSVOA_S (continued)										
Blank (B2C1077-BLK1) - Continued						Prepared: 3/11/2022 Analyzed: 3/11/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*73.53*			*50.0000*		*147*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*53.58*			*50.0000*		*107*	*50 - 146*			
Surrogate: Dibromofluoromethane	*55.66*			*50.0000*		*111*	*77 - 159*			
Surrogate: Toluene-d8	*55.53*			*50.0000*		*111*	*81 - 128*			
LCS (B2C1077-BS1)						Prepared: 3/11/2022 Analyzed: 3/11/2022				
1,1,1,2-Tetrachloroethane	47.9100	5.0	0.52	50.0000		95.8	84 - 123			
1,1,1-Trichloroethane	65.0600	5.0	0.26	50.0000		130	78 - 133			
1,1,2,2-Tetrachloroethane	42.2700	5.0	0.21	50.0000		84.5	63 - 127			
1,1,2-Trichloroethane	47.1100	5.0	0.40	50.0000		94.2	80 - 125			
1,1-Dichloroethane	51.9100	5.0	1.4	50.0000		104	77 - 128			
1,1-Dichloroethene	49.9100	5.0	1.9	50.0000		99.8	69 - 138			
1,1-Dichloropropene	48.0200	5.0	0.54	50.0000		96.0	80 - 133			
1,2,3-Trichloropropane	44.7600	5.0	0.40	50.0000		89.5	74 - 123			
1,2,3-Trichlorobenzene	46.8500	5.0	0.83	50.0000		93.7	79 - 133			
1,2,4-Trichlorobenzene	48.4500	5.0	0.80	50.0000		96.9	73 - 131			
1,2,4-Trimethylbenzene	45.7900	5.0	0.91	50.0000		91.6	86 - 137			
1,2-Dibromo-3-chloropropane	57.6900	10	1.1	50.0000		115	62 - 127			
1,2-Dibromoethane	44.5100	5.0	0.40	50.0000		89.0	83 - 126			
1,2-Dichlorobenzene	43.0000	5.0	0.21	50.0000		86.0	83 - 123			
1,2-Dichloroethane	62.0300	5.0	0.50	50.0000		124	76 - 128			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1077 - MSVOA_S (continued)										
LCS (B2C1077-BS1) - Continued						Prepared: 3/11/2022 Analyzed: 3/11/2022				
1,2-Dichloropropane	46.6800	5.0	0.46	50.0000		93.4	77 - 121			
1,3,5-Trimethylbenzene	46.6100	5.0	0.70	50.0000		93.2	84 - 135			
1,3-Dichlorobenzene	42.0000	5.0	0.36	50.0000		84.0	81 - 126			
1,3-Dichloropropane	45.6700	5.0	0.49	50.0000		91.3	80 - 118			
1,4-Dichlorobenzene	42.3300	5.0	0.27	50.0000		84.7	80 - 124			
2,2-Dichloropropane	62.1100	5.0	0.28	50.0000		124	72 - 135			
2-Chlorotoluene	49.6200	5.0	0.53	50.0000		99.2	81 - 127			
4-Chlorotoluene	52.2100	5.0	0.40	50.0000		104	83 - 127			
4-Isopropyltoluene	46.9700	5.0	0.81	50.0000		93.9	82 - 143			
Benzene	49.3300	5.0	0.36	50.0000		98.7	84 - 123			
Bromobenzene	43.5200	5.0	0.62	50.0000		87.0	80 - 122			
Bromochloromethane	48.9800	5.0	0.30	50.0000		98.0	83 - 127			
Bromodichloromethane	55.1400	5.0	0.52	50.0000		110	82 - 123			
Bromoform	50.0700	5.0	1.4	50.0000		100	80 - 132			
Bromomethane	60.5100	5.0	2.5	50.0000		121	67 - 176			
Carbon disulfide	44.4800	5.0	0.94	50.0000		89.0	75 - 138			
Carbon tetrachloride	63.2400	5.0	0.73	50.0000		126	76 - 131			
Chlorobenzene	45.0300	5.0	0.42	50.0000		90.1	84 - 119			
Chloroethane	53.4200	5.0	1.5	50.0000		107	56 - 170			
Chloroform	57.3500	5.0	0.24	50.0000		115	78 - 129			
Chloromethane	41.5900	5.0	1.1	50.0000		83.2	63 - 141			
cis-1,2-Dichloroethene	67.3900	5.0	0.20	50.0000		135	83 - 125			L5
cis-1,3-Dichloropropene	45.7500	5.0	0.39	50.0000		91.5	76 - 129			
Di-isopropyl ether	46.7500	5.0	1.9	50.0000		93.5	73 - 132			
Dibromochloromethane	48.7400	5.0	0.81	50.0000		97.5	81 - 120			
Dibromomethane	51.2300	5.0	0.23	50.0000		102	79 - 124			
Dichlorodifluoromethane	52.5400	5.0	0.14	50.0000		105	18 - 199			
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138			MO
Ethyl Ether	560.030	50	17	500.000		112	74 - 128			
Ethyl tert-butyl ether	46.9300	5.0	0.85	50.0000		93.9	50 - 175			
Ethylbenzene	52.0200	5.0	0.43	50.0000		104	86 - 130			
Freon-113	52.4200	5.0	1.3	50.0000		105	66 - 132			
Hexachlorobutadiene	56.6900	5.0	0.40	50.0000		113	64 - 135			
Isopropylbenzene	47.2800	5.0	0.79	50.0000		94.6	80 - 133			
m,p-Xylene	102.000	10	0.98	100.000		102	89 - 133			
Methylene chloride	47.1600	5.0	2.2	50.0000		94.3	72 - 143			
MTBE	48.8900	5.0	0.81	50.0000		97.8	73 - 136			
n-Butylbenzene	50.2200	5.0	1.2	50.0000		100	76 - 144			
n-Propylbenzene	48.7200	5.0	0.78	50.0000		97.4	81 - 136			
Naphthalene	38.9900	5.0	1.1	50.0000		78.0	64 - 128			
o-Xylene	51.3300	5.0	0.67	50.0000		103	82 - 134			
sec-Butylbenzene	46.2500	5.0	0.63	50.0000		92.5	81 - 138			
Styrene	44.7700	5.0	0.45	50.0000		89.5	79 - 152			
tert-Amyl methyl ether	42.3400	5.0	1.1	50.0000		84.7	48 - 166			
tert-Butanol	226.290	100	11	250.000		90.5	48 - 148			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1077 - MSVOA_S (continued)										
LCS (B2C1077-BS1) - Continued						Prepared: 3/11/2022 Analyzed: 3/11/2022				
tert-Butylbenzene	46.9000	5.0	0.80	50.0000		93.8	81 - 135			
Tetrachloroethene	50.1200	5.0	0.31	50.0000		100	75 - 127			
Toluene	51.0900	5.0	0.27	50.0000		102	88 - 130			
trans-1,2-Dichloroethene	39.0600	5.0	0.56	50.0000		78.1	79 - 127			L3
trans-1,3-Dichloropropene	50.8200	5.0	0.59	50.0000		102	80 - 130			
Trichloroethene	49.3200	5.0	0.32	50.0000		98.6	83 - 126			
Trichlorofluoromethane	69.4300	5.0	1.0	50.0000		139	62 - 143			
Vinyl acetate	104.050	50	6.0	500.000		20.8	69 - 150			MO
Vinyl chloride	50.4400	5.0	0.92	50.0000		101	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*73.87*			*50.0000*		*148*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*58.07*			*50.0000*		*116*	*50 - 146*			
Surrogate: Dibromofluoromethane	*57.55*			*50.0000*		*115*	*77 - 159*			
Surrogate: Toluene-d8	*55.81*			*50.0000*		*112*	*81 - 128*			
LCS Dup (B2C1077-BSD1)						Prepared: 3/11/2022 Analyzed: 3/11/2022				
1,1,1,2-Tetrachloroethane	46.1500	5.0	0.52	50.0000		92.3	84 - 123	3.74	20	
1,1,1-Trichloroethane	63.2800	5.0	0.26	50.0000		127	78 - 133	2.77	20	
1,1,2,2-Tetrachloroethane	42.2500	5.0	0.21	50.0000		84.5	63 - 127	0.0473	20	
1,1,2-Trichloroethane	46.9400	5.0	0.40	50.0000		93.9	80 - 125	0.362	20	
1,1-Dichloroethane	51.2500	5.0	1.4	50.0000		102	77 - 128	1.28	20	
1,1-Dichloroethene	47.8100	5.0	1.9	50.0000		95.6	69 - 138	4.30	20	
1,1-Dichloropropene	45.8000	5.0	0.54	50.0000		91.6	80 - 133	4.73	20	
1,2,3-Trichloropropane	44.4400	5.0	0.40	50.0000		88.9	74 - 123	0.717	20	
1,2,3-Trichlorobenzene	45.6900	5.0	0.83	50.0000		91.4	79 - 133	2.51	20	
1,2,4-Trichlorobenzene	45.0400	5.0	0.80	50.0000		90.1	73 - 131	7.29	20	
1,2,4-Trimethylbenzene	45.6500	5.0	0.91	50.0000		91.3	86 - 137	0.306	20	
1,2-Dibromo-3-chloropropane	58.4200	10	1.1	50.0000		117	62 - 127	1.26	20	
1,2-Dibromoethane	46.6200	5.0	0.40	50.0000		93.2	83 - 126	4.63	20	
1,2-Dichlorobenzene	43.0700	5.0	0.21	50.0000		86.1	83 - 123	0.163	20	
1,2-Dichloroethane	65.0100	5.0	0.50	50.0000		130	76 - 128	4.69	20	L3
1,2-Dichloropropane	45.7600	5.0	0.46	50.0000		91.5	77 - 121	1.99	20	
1,3,5-Trimethylbenzene	44.8000	5.0	0.70	50.0000		89.6	84 - 135	3.96	20	
1,3-Dichlorobenzene	41.6500	5.0	0.36	50.0000		83.3	81 - 126	0.837	20	
1,3-Dichloropropane	45.3300	5.0	0.49	50.0000		90.7	80 - 118	0.747	20	
1,4-Dichlorobenzene	42.5800	5.0	0.27	50.0000		85.2	80 - 124	0.589	20	
2,2-Dichloropropane	57.2800	5.0	0.28	50.0000		115	72 - 135	8.09	20	
2-Chlorotoluene	48.4500	5.0	0.53	50.0000		96.9	81 - 127	2.39	20	
4-Chlorotoluene	50.4200	5.0	0.40	50.0000		101	83 - 127	3.49	20	
4-Isopropyltoluene	44.2700	5.0	0.81	50.0000		88.5	82 - 143	5.92	20	
Benzene	48.9200	5.0	0.36	50.0000		97.8	84 - 123	0.835	20	
Bromobenzene	42.7500	5.0	0.62	50.0000		85.5	80 - 122	1.79	20	
Bromochloromethane	49.1300	5.0	0.30	50.0000		98.3	83 - 127	0.306	20	
Bromodichloromethane	55.6900	5.0	0.52	50.0000		111	82 - 123	0.993	20	
Bromoform	50.5200	5.0	1.4	50.0000		101	80 - 132	0.895	20	
Bromomethane	56.5800	5.0	2.5	50.0000		113	67 - 176	6.71	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1077 - MSVOA_S (continued)										
LCS Dup (B2C1077-BSD1) - Continued					Prepared: 3/11/2022 Analyzed: 3/11/2022					
Carbon disulfide	42.9100	5.0	0.94	50.0000		85.8	75 - 138	3.59	20	
Carbon tetrachloride	60.9900	5.0	0.73	50.0000		122	76 - 131	3.62	20	
Chlorobenzene	42.4100	5.0	0.42	50.0000		84.8	84 - 119	5.99	20	
Chloroethane	52.9000	5.0	1.5	50.0000		106	56 - 170	0.978	20	
Chloroform	54.6900	5.0	0.24	50.0000		109	78 - 129	4.75	20	
Chloromethane	40.6400	5.0	1.1	50.0000		81.3	63 - 141	2.31	20	
cis-1,2-Dichloroethene	68.6300	5.0	0.20	50.0000		137	83 - 125	1.82	20	L5
cis-1,3-Dichloropropene	47.4500	5.0	0.39	50.0000		94.9	76 - 129	3.65	20	
Di-isopropyl ether	46.5400	5.0	1.9	50.0000		93.1	73 - 132	0.450	20	
Dibromochloromethane	50.6700	5.0	0.81	50.0000		101	81 - 120	3.88	20	
Dibromomethane	53.1400	5.0	0.23	50.0000		106	79 - 124	3.66	20	
Dichlorodifluoromethane	49.9900	5.0	0.14	50.0000		100	18 - 199	4.97	20	
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138	NR	20	MO
Ethyl Ether	563.570	50	17	500.000		113	74 - 128	0.630	20	
Ethyl tert-butyl ether	46.4400	5.0	0.85	50.0000		92.9	50 - 175	1.05	20	
Ethylbenzene	49.7100	5.0	0.43	50.0000		99.4	86 - 130	4.54	20	
Freon-113	46.5400	5.0	1.3	50.0000		93.1	66 - 132	11.9	20	
Hexachlorobutadiene	52.5500	5.0	0.40	50.0000		105	64 - 135	7.58	20	
Isopropylbenzene	44.9000	5.0	0.79	50.0000		89.8	80 - 133	5.16	20	
m,p-Xylene	98.8500	10	0.98	100.000		98.8	89 - 133	3.14	20	
Methylene chloride	46.9400	5.0	2.2	50.0000		93.9	72 - 143	0.468	20	
MTBE	49.8400	5.0	0.81	50.0000		99.7	73 - 136	1.92	20	
n-Butylbenzene	47.3700	5.0	1.2	50.0000		94.7	76 - 144	5.84	20	
n-Propylbenzene	46.0100	5.0	0.78	50.0000		92.0	81 - 136	5.72	20	
Naphthalene	38.0800	5.0	1.1	50.0000		76.2	64 - 128	2.36	20	
o-Xylene	50.0600	5.0	0.67	50.0000		100	82 - 134	2.51	20	
sec-Butylbenzene	43.2100	5.0	0.63	50.0000		86.4	81 - 138	6.80	20	
Styrene	43.5900	5.0	0.45	50.0000		87.2	79 - 152	2.67	20	
tert-Amyl methyl ether	45.0000	5.0	1.1	50.0000		90.0	48 - 166	6.09	20	
tert-Butanol	227.570	100	11	250.000		91.0	48 - 148	0.564	20	
tert-Butylbenzene	44.2300	5.0	0.80	50.0000		88.5	81 - 135	5.86	20	
Tetrachloroethene	45.1800	5.0	0.31	50.0000		90.4	75 - 127	10.4	20	
Toluene	51.7900	5.0	0.27	50.0000		104	88 - 130	1.36	20	
trans-1,2-Dichloroethene	39.6000	5.0	0.56	50.0000		79.2	79 - 127	1.37	20	
trans-1,3-Dichloropropene	51.3700	5.0	0.59	50.0000		103	80 - 130	1.08	20	
Trichloroethene	46.7500	5.0	0.32	50.0000		93.5	83 - 126	5.35	20	
Trichlorofluoromethane	64.6600	5.0	1.0	50.0000		129	62 - 143	7.11	20	
Vinyl acetate	101.090	50	6.0	500.000		20.2	69 - 150	2.89	20	MO
Vinyl chloride	45.5000	5.0	0.92	50.0000		91.0	69 - 140	10.3	20	
Surrogate: 1,2-Dichloroethane-d4	*71.71*			*50.0000*		*143*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*57.20*			*50.0000*		*114*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.02*			*50.0000*		*106*	*77 - 159*			
Surrogate: Toluene-d8	*56.97*			*50.0000*		*114*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 3/7/22
Page 1 of 1

2200307

3.6°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) Tiam Novin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	68-20-2-1	3/7/22	0812	Soil	1	1			X									
2	68-20-2-5.5	"	0820	"	5	1	4			X	X	X		X				
3	68-20-3-1	"	0852	"	1	1			X									
4	68-20-3-5.5	"	0904	"	5	1	4			X	X	X		X				
5	68-17-4-1	"	0938	"	1	1					X	X			X			
6	68-17-4-3	"	0946	"	1	1			X (TAT)									X
7	68-6-1-1	"	1030	"	1	1			X									
8	68-6-1-5.5	"	1040	"	5	1	4			X	X	X		X				
9	68-7-2-1	"	1120	"	1	1			X									
10	68-7-2-5.5	"	1130	"	5	1	4			X	X	X		X				
11	68-6-2-1	"	1302	"	1	1			X									
12	68-6-2-5.5	"	1313	"	5	1	4			X	X	X		X				
13	68-7-1-1	"	1335	"	1	1			X									
14	68-7-1-5.5	"	1355	"	5	1	4			X	X	X		X				
15	TB_20220307	"	1320	water	4		4			X (TAT)								X

Relinquished by: (Signature) Tiam Novin	Received by: (Signature)	Date: 3/7/22	Time: 1534
Relinquished by: (Signature) 3/7/22 16:59	Received by: (Signature) ATL Ethan Tran	Date: 3/7/22	Time: 16:59
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

May 16, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

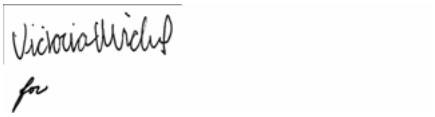
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200316
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 08, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,



Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 05/16/22 10:25 on Behalf of



Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
68-17-2-1	2200316-01	Soil	3/08/22 9:18	3/08/22 17:06
68-17-1-1	2200316-02	Soil	3/08/22 9:54	3/08/22 17:06
68-17-1-5.5	2200316-03	Soil	3/08/22 10:15	3/08/22 17:06
68-17-2-5.5	2200316-04	Soil	3/08/22 10:35	3/08/22 17:06
68-17-3-1	2200316-05	Soil	3/08/22 10:50	3/08/22 17:06
68-17-3-5.5	2200316-06	Soil	3/08/22 11:03	3/08/22 17:06
68-22-1-1-1	2200316-07	Soil	3/08/22 12:45	3/08/22 17:06
68-22-1-1-5.5	2200316-08	Soil	3/08/22 12:55	3/08/22 17:06
TB_20220308	2200316-09	Water	3/08/22 13:25	3/08/22 17:06
68-22-1-2-1	2200316-10	Soil	3/08/22 13:39	3/08/22 17:06
68-22-1-2-5.5	2200316-11	Soil	3/08/22 13:50	3/08/22 17:06
68-22-Shed 1-1-1	2200316-12	Soil	3/08/22 14:24	3/08/22 17:06
68-22-Shed 1-1-5.5	2200316-13	Soil	3/08/22 14:30	3/08/22 17:06
EB_20220308	2200316-14	Water	3/08/22 14:45	3/08/22 17:06

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
D10	Sample required dilution due to dark sample
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200316-01	68-17-2-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 10:44	
2200316-02	68-17-1-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 10:56	
2200316-05	68-17-3-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 10:58	
2200316-07	68-22-1-1-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:02	
2200316-10	68-22-1-2-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:04	
2200316-12	68-22-Shed 1-1-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:14	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-17-2-1

Lab ID: 2200316-01

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Arsenic	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Barium	**100**	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Beryllium	**2.3**	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Cadmium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Chromium	**15**	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Cobalt	**5.5**	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Copper	**12**	2.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Lead	**3.3**	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Molybdenum	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Nickel	**5.9**	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Selenium	**2.3**	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Silver	**4.4**	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Thallium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Vanadium	**31**	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Zinc	**52**	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	

Polychlorinated Biphenyls by EPA 8082 — **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016		ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Aroclor 1221		ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Aroclor 1232		ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Aroclor 1242		ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Aroclor 1248		ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Aroclor 1254		ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Aroclor 1260		ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Surrogate: Decachlorobiphenyl	*56.6 %*		*0 - 87*		B2C1045	03/09/2022	*03/09/22 21:03*	
Surrogate: Tetrachloro-m-xylene	*52.0 %*		*0 - 103*		B2C1045	03/09/2022	*03/09/22 21:03*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-17-1-1
Lab ID: 2200316-02

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Arsenic	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Barium	**93**	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Beryllium	**2.0**	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Cadmium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Chromium	**13**	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Cobalt	**5.2**	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Copper	**11**	2.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Lead	**3.1**	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Molybdenum	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Nickel	**5.6**	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Selenium	**2.4**	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Silver	**4.0**	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Thallium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Vanadium	**28**	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Zinc	**46**	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	

Polychlorinated Biphenyls by EPA 8082

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Aroclor 1221	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Aroclor 1232	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Aroclor 1242	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Aroclor 1248	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Aroclor 1254	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Aroclor 1260	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Surrogate: Decachlorobiphenyl	*53.4 %*	*0 - 87*		B2C1045	03/09/2022	*03/09/22 21:22*	
Surrogate: Tetrachloro-m-xylene	*48.0 %*	*0 - 103*		B2C1045	03/09/2022	*03/09/22 21:22*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-17-1-5.5

Lab ID: 2200316-03

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1039	03/09/2022	03/10/22 13:46	
C23-C32	**13**	10	1	B2C1039	03/09/2022	03/10/22 13:46	
Surrogate: p-Terphenyl	*102 %*	*62 - 141*		B2C1039	03/09/2022	*03/10/22 13:46*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,1,1-Trichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,1,2-Trichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,1-Dichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,1-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,1-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2,3-Trichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2-Dibromo-3-chloropropane	ND	9.2	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2-Dibromoethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2-Dichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,3-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,3-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,4-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
2,2-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
2-Chlorotoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
4-Chlorotoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
4-Isopropyltoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Benzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Bromobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Bromochloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Bromodichloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Bromoform	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Bromomethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Carbon disulfide	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-17-1-5.5

Lab ID: 2200316-03

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Chlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Chloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Chloroform	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Chloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Di-isopropyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Dibromochloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Dibromomethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Dichlorodifluoromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Ethyl Acetate	ND	46	1	B2C1079	03/11/2022	03/11/22 16:07	
Ethyl Ether	ND	46	1	B2C1079	03/11/2022	03/11/22 16:07	
Ethyl tert-butyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Ethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Freon-113	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Hexachlorobutadiene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Isopropylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
m,p-Xylene	ND	9.2	1	B2C1079	03/11/2022	03/11/22 16:07	
Methylene chloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
MTBE	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
n-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
n-Propylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Naphthalene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
o-Xylene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
sec-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Styrene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
tert-Amyl methyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
tert-Butanol	ND	92	1	B2C1079	03/11/2022	03/11/22 16:07	
tert-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Tetrachloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Toluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Trichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Trichlorofluoromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Vinyl acetate	ND	46	1	B2C1079	03/11/2022	03/11/22 16:07	
Vinyl chloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Surrogate: 1,2-Dichloroethane-d4	*124 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 16:07*	
Surrogate: 4-Bromofluorobenzene	*99.3 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 16:07*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-17-1-5.5

Lab ID: 2200316-03

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*114 %*		*77 - 159*		B2C1079	03/11/2022	*03/11/22 16:07*	
Surrogate: Toluene-d8	*105 %*		*81 - 128*		B2C1079	03/11/2022	*03/11/22 16:07*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.85	1	B2C1152	03/15/2022	03/15/22 05:15	
Surrogate: 4-Bromofluorobenzene	*90.9 %*		*47.6 - 121.18*		B2C1152	03/15/2022	*03/15/22 05:15*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-17-2-5.5

Lab ID: 2200316-04

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1039	03/09/2022	03/10/22 14:05	
C23-C32	**12**	10	1	B2C1039	03/09/2022	03/10/22 14:05	
Surrogate: p-Terphenyl	*100 %*	*62 - 141*		B2C1039	03/09/2022	*03/10/22 14:05*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,1,1-Trichloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,1,2,2-Tetrachloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,1,2-Trichloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,1-Dichloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,1-Dichloroethene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,1-Dichloropropene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2,3-Trichloropropane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2,3-Trichlorobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2,4-Trichlorobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2,4-Trimethylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2-Dibromoethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2-Dichlorobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2-Dichloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2-Dichloropropane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,3,5-Trimethylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,3-Dichlorobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,3-Dichloropropane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,4-Dichlorobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
2,2-Dichloropropane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
2-Chlorotoluene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
4-Chlorotoluene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
4-Isopropyltoluene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Benzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Bromobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Bromochloromethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Bromodichloromethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Bromoform	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Bromomethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Carbon disulfide	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-17-2-5.5

Lab ID: 2200316-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Chlorobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Chloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Chloroform	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Chloromethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
cis-1,2-Dichloroethene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
cis-1,3-Dichloropropene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Di-isopropyl ether	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Dibromochloromethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Dibromomethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Dichlorodifluoromethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Ethyl Acetate	ND	54	1	B2C1079	03/11/2022	03/11/22 16:31	
Ethyl Ether	ND	54	1	B2C1079	03/11/2022	03/11/22 16:31	
Ethyl tert-butyl ether	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Ethylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Freon-113	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Hexachlorobutadiene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Isopropylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
m,p-Xylene	ND	11	1	B2C1079	03/11/2022	03/11/22 16:31	
Methylene chloride	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
MTBE	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
n-Butylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
n-Propylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Naphthalene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
o-Xylene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
sec-Butylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Styrene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
tert-Amyl methyl ether	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
tert-Butanol	ND	110	1	B2C1079	03/11/2022	03/11/22 16:31	
tert-Butylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Tetrachloroethene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Toluene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
trans-1,2-Dichloroethene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
trans-1,3-Dichloropropene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Trichloroethene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Trichlorofluoromethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Vinyl acetate	ND	54	1	B2C1079	03/11/2022	03/11/22 16:31	
Vinyl chloride	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Surrogate: 1,2-Dichloroethane-d4	*117 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 16:31*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 16:31*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-17-2-5.5

Lab ID: 2200316-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*111 %*		*77 - 159*		B2C1079	03/11/2022	*03/11/22 16:31*	
Surrogate: Toluene-d8	*102 %*		*81 - 128*		B2C1079	03/11/2022	*03/11/22 16:31*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	1.1	1	B2C1152	03/15/2022	03/15/22 05:40	
Surrogate: 4-Bromofluorobenzene	*85.4 %*		*47.6 - 121.18*		B2C1152	03/15/2022	*03/15/22 05:40*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-17-3-1

Lab ID: 2200316-05

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Arsenic	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Barium	**83**	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Beryllium	**1.9**	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Cadmium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Chromium	**12**	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Cobalt	**4.7**	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Copper	**10**	2.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Lead	**2.5**	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Molybdenum	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Nickel	**5.2**	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Selenium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Silver	**3.7**	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Thallium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Vanadium	**26**	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Zinc	**35**	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	

Polychlorinated Biphenyls by EPA 8082 — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Aroclor 1221	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Aroclor 1232	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Aroclor 1242	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Aroclor 1248	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Aroclor 1254	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Aroclor 1260	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Surrogate: Decachlorobiphenyl	*52.4 %*	*0 - 87*		B2C1045	03/09/2022	*03/09/22 21:41*	
Surrogate: Tetrachloro-m-xylene	*44.5 %*	*0 - 103*		B2C1045	03/09/2022	*03/09/22 21:41*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-17-3-5.5

Lab ID: 2200316-06

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1039	03/09/2022	03/10/22 14:24	
C23-C32	**13**	10	1	B2C1039	03/09/2022	03/10/22 14:24	
Surrogate: p-Terphenyl	*102 %*	*62 - 141*		B2C1039	03/09/2022	*03/10/22 14:24*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,1,1-Trichloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,1,2-Trichloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,1-Dichloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,1-Dichloroethene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,1-Dichloropropene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2,3-Trichloropropane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2-Dibromo-3-chloropropane	ND	9.5	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2-Dibromoethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2-Dichlorobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2-Dichloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2-Dichloropropane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,3-Dichlorobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,3-Dichloropropane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,4-Dichlorobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
2,2-Dichloropropane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
2-Chlorotoluene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
4-Chlorotoluene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
4-Isopropyltoluene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Benzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Bromobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Bromochloromethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Bromodichloromethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Bromoform	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Bromomethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Carbon disulfide	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-17-3-5.5

Lab ID: 2200316-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Chlorobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Chloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Chloroform	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Chloromethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Di-isopropyl ether	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Dibromochloromethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Dibromomethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Dichlorodifluoromethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Ethyl Acetate	ND	47	1	B2C1079	03/11/2022	03/11/22 16:56	
Ethyl Ether	ND	47	1	B2C1079	03/11/2022	03/11/22 16:56	
Ethyl tert-butyl ether	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Ethylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Freon-113	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Hexachlorobutadiene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Isopropylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
m,p-Xylene	ND	9.5	1	B2C1079	03/11/2022	03/11/22 16:56	
Methylene chloride	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
MTBE	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
n-Butylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
n-Propylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Naphthalene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
o-Xylene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
sec-Butylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Styrene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
tert-Amyl methyl ether	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
tert-Butanol	ND	95	1	B2C1079	03/11/2022	03/11/22 16:56	
tert-Butylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Tetrachloroethene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Toluene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Trichloroethene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Trichlorofluoromethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Vinyl acetate	ND	47	1	B2C1079	03/11/2022	03/11/22 16:56	
Vinyl chloride	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 16:56*	
Surrogate: 4-Bromofluorobenzene	*97.4 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 16:56*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-17-3-5.5
Lab ID: 2200316-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*113 %*	*77 - 159*		B2C1079	03/11/2022	*03/11/22 16:56*	
Surrogate: Toluene-d8	*103 %*	*81 - 128*		B2C1079	03/11/2022	*03/11/22 16:56*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.98	1	B2C1152	03/15/2022	03/15/22 06:04	
Surrogate: 4-Bromofluorobenzene	*87.7 %*	*47.6 - 121.18*		B2C1152	03/15/2022	*03/15/22 06:04*	

Client Sample ID: 68-22-1-1-1
Lab ID: 2200316-07

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Arsenic	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Barium	**110**	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Beryllium	**2.5**	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Cadmium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Chromium	**17**	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Cobalt	**6.3**	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Copper	**13**	2.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Lead	**4.7**	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Molybdenum	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Nickel	**6.3**	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Selenium	**1.9**	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Silver	**5.0**	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Thallium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Vanadium	**33**	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Zinc	**49**	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-22-1-1-5.5

Lab ID: 2200316-08

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Acenaphthene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Acenaphthylene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Anthracene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Benzo(a)anthracene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Benzo(a)pyrene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Benzo(b)fluoranthene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Benzo(g,h,i)perylene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Benzo(k)fluoranthene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Chrysene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Dibenz(a,h)anthracene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Fluoranthene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Fluorene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Indeno(1,2,3-cd)pyrene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Naphthalene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Phenanthrene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Pyrene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Surrogate: 1,2-Dichlorobenzene-d4	*63.1 %*	*12 - 125*		B2C1149	03/14/2022	*03/15/22 02:03*	
Surrogate: 2-Fluorobiphenyl	*86.8 %*	*14 - 139*		B2C1149	03/14/2022	*03/15/22 02:03*	
Surrogate: Nitrobenzene-d5	*51.0 %*	*8 - 155*		B2C1149	03/14/2022	*03/15/22 02:03*	
Surrogate: 4-Terphenyl-d14	*117 %*	*16 - 152*		B2C1149	03/14/2022	*03/15/22 02:03*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1039	03/09/2022	03/10/22 14:42	
C23-C32	**16**	10	1	B2C1039	03/09/2022	03/10/22 14:42	
Surrogate: p-Terphenyl	*109 %*	*62 - 141*		B2C1039	03/09/2022	*03/10/22 14:42*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,1,1-Trichloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,1,2,2-Tetrachloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,1,2-Trichloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-22-1-1-5.5

Lab ID: 2200316-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,1-Dichloroethene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,1-Dichloropropene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2,3-Trichloropropane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2,3-Trichlorobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2,4-Trichlorobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2,4-Trimethylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2-Dibromo-3-chloropropane	ND	8.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2-Dibromoethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2-Dichlorobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2-Dichloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2-Dichloropropane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,3,5-Trimethylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,3-Dichlorobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,3-Dichloropropane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,4-Dichlorobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
2,2-Dichloropropane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
2-Chlorotoluene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
4-Chlorotoluene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
4-Isopropyltoluene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Benzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Bromobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Bromochloromethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Bromodichloromethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Bromoform	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Bromomethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Carbon disulfide	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Carbon tetrachloride	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Chlorobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Chloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Chloroform	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Chloromethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
cis-1,2-Dichloroethene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
cis-1,3-Dichloropropene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Di-isopropyl ether	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Dibromochloromethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Dibromomethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Dichlorodifluoromethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Ethyl Acetate	ND	40	1	B2C1079	03/11/2022	03/11/22 17:21	
Ethyl Ether	ND	40	1	B2C1079	03/11/2022	03/11/22 17:21	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-22-1-1-5.5

Lab ID: 2200316-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Ethylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Freon-113	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Hexachlorobutadiene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Isopropylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
m,p-Xylene	ND	8.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Methylene chloride	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
MTBE	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
n-Butylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
n-Propylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Naphthalene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
o-Xylene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
sec-Butylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Styrene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
tert-Amyl methyl ether	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
tert-Butanol	ND	80	1	B2C1079	03/11/2022	03/11/22 17:21	
tert-Butylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Tetrachloroethene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Toluene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
trans-1,2-Dichloroethene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
trans-1,3-Dichloropropene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Trichloroethene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Trichlorofluoromethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Vinyl acetate	ND	40	1	B2C1079	03/11/2022	03/11/22 17:21	
Vinyl chloride	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Surrogate: 1,2-Dichloroethane-d4	*118 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 17:21*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 17:21*	
Surrogate: Dibromofluoromethane	*111 %*	*77 - 159*		B2C1079	03/11/2022	*03/11/22 17:21*	
Surrogate: Toluene-d8	*103 %*	*81 - 128*		B2C1079	03/11/2022	*03/11/22 17:21*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.78	1	B2C1152	03/15/2022	03/15/22 06:29	
Surrogate: 4-Bromofluorobenzene	*94.2 %*	*47.6 - 121.18*		B2C1152	03/15/2022	*03/15/22 06:29*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-22-1-2-1

Lab ID: 2200316-10

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Arsenic	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Barium	**110**	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Beryllium	**2.1**	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Cadmium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Chromium	**15**	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Cobalt	**5.7**	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Copper	**12**	2.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Lead	**3.8**	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Molybdenum	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Nickel	**6.4**	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Selenium	**1.8**	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Silver	**3.9**	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Thallium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Vanadium	**30**	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Zinc	**39**	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-22-1-2-5.5

Lab ID: 2200316-11

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Surrogate: 1,2-Dichlorobenzene-d4	*66.6 %*	*12 - 125*		B2C1149	03/14/2022	*03/15/22 02:29*	
Surrogate: 2-Fluorobiphenyl	*81.3 %*	*14 - 139*		B2C1149	03/14/2022	*03/15/22 02:29*	
Surrogate: Nitrobenzene-d5	*62.7 %*	*8 - 155*		B2C1149	03/14/2022	*03/15/22 02:29*	
Surrogate: 4-Terphenyl-d14	*110 %*	*16 - 152*		B2C1149	03/14/2022	*03/15/22 02:29*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1039	03/09/2022	03/10/22 15:00	
C23-C32	**13**	10	1	B2C1039	03/09/2022	03/10/22 15:00	
Surrogate: p-Terphenyl	*94.6 %*	*62 - 141*		B2C1039	03/09/2022	*03/10/22 15:00*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,1,1-Trichloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,1,2-Trichloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-22-1-2-5.5

Lab ID: 2200316-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,1-Dichloroethene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,1-Dichloropropene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2,3-Trichloropropane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2,3-Trichlorobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2,4-Trichlorobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2,4-Trimethylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2-Dibromoethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2-Dichlorobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2-Dichloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2-Dichloropropane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,3,5-Trimethylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,3-Dichlorobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,3-Dichloropropane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,4-Dichlorobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
2,2-Dichloropropane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
2-Chlorotoluene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
4-Chlorotoluene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
4-Isopropyltoluene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Benzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Bromobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Bromochloromethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Bromodichloromethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Bromoform	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Bromomethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Carbon disulfide	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Carbon tetrachloride	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Chlorobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Chloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Chloroform	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Chloromethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
cis-1,2-Dichloroethene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
cis-1,3-Dichloropropene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Di-isopropyl ether	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Dibromochloromethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Dibromomethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Dichlorodifluoromethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Ethyl Acetate	ND	51	1	B2C1079	03/11/2022	03/11/22 17:45	
Ethyl Ether	ND	51	1	B2C1079	03/11/2022	03/11/22 17:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-22-1-2-5.5

Lab ID: 2200316-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Ethylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Freon-113	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Hexachlorobutadiene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Isopropylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
m,p-Xylene	ND	10	1	B2C1079	03/11/2022	03/11/22 17:45	
Methylene chloride	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
MTBE	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
n-Butylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
n-Propylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Naphthalene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
o-Xylene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
sec-Butylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Styrene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
tert-Amyl methyl ether	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
tert-Butanol	ND	100	1	B2C1079	03/11/2022	03/11/22 17:45	
tert-Butylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Tetrachloroethene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Toluene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
trans-1,2-Dichloroethene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
trans-1,3-Dichloropropene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Trichloroethene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Trichlorofluoromethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Vinyl acetate	ND	51	1	B2C1079	03/11/2022	03/11/22 17:45	
Vinyl chloride	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Surrogate: 1,2-Dichloroethane-d4	*120 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 17:45*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 17:45*	
Surrogate: Dibromofluoromethane	*115 %*	*77 - 159*		B2C1079	03/11/2022	*03/11/22 17:45*	
Surrogate: Toluene-d8	*101 %*	*81 - 128*		B2C1079	03/11/2022	*03/11/22 17:45*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.93	1	B2C1152	03/15/2022	03/15/22 06:53	
Surrogate: 4-Bromofluorobenzene	*88.2 %*	*47.6 - 121.18*		B2C1152	03/15/2022	*03/15/22 06:53*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-22-Shed 1-1-1

Lab ID: 2200316-12

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Arsenic	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Barium	**110**	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Beryllium	**2.5**	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Cadmium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Chromium	**15**	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Cobalt	**5.9**	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Copper	**12**	2.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Lead	**2.8**	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Molybdenum	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Nickel	**5.7**	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Selenium	**2.7**	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Silver	**4.8**	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Thallium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Vanadium	**32**	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Zinc	**38**	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-22-Shed 1-1-5.5
Lab ID: 2200316-13

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1039	03/09/2022	03/10/22 15:18	
C23-C32	**12**	10	1	B2C1039	03/09/2022	03/10/22 15:18	
Surrogate: p-Terphenyl	*90.9 %*	*62 - 141*		B2C1039	03/09/2022	*03/10/22 15:18*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,1,1-Trichloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,1,2-Trichloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,1-Dichloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,1-Dichloroethene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,1-Dichloropropene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2,3-Trichloropropane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2-Dibromoethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2-Dichlorobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2-Dichloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2-Dichloropropane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,3-Dichlorobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,3-Dichloropropane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,4-Dichlorobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
2,2-Dichloropropane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
2-Chlorotoluene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
4-Chlorotoluene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
4-Isopropyltoluene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Benzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Bromobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Bromochloromethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Bromodichloromethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Bromoform	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Bromomethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Carbon disulfide	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-22-Shed 1-1-5.5

Lab ID: 2200316-13

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Chlorobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Chloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Chloroform	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Chloromethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Di-isopropyl ether	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Dibromochloromethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Dibromomethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Dichlorodifluoromethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Ethyl Acetate	ND	39	1	B2C1079	03/11/2022	03/11/22 18:10	
Ethyl Ether	ND	39	1	B2C1079	03/11/2022	03/11/22 18:10	
Ethyl tert-butyl ether	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Ethylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Freon-113	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Hexachlorobutadiene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Isopropylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
m,p-Xylene	ND	7.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Methylene chloride	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
MTBE	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
n-Butylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
n-Propylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Naphthalene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
o-Xylene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
sec-Butylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Styrene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
tert-Amyl methyl ether	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
tert-Butanol	ND	79	1	B2C1079	03/11/2022	03/11/22 18:10	
tert-Butylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Tetrachloroethene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Toluene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Trichloroethene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Trichlorofluoromethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Vinyl acetate	ND	39	1	B2C1079	03/11/2022	03/11/22 18:10	
Vinyl chloride	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Surrogate: 1,2-Dichloroethane-d4	*122 %*	*66 - 200*		B2C1079	03/11/2022	*03/11/22 18:10*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*50 - 146*		B2C1079	03/11/2022	*03/11/22 18:10*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 68-22-Shed 1-1-5.5

Lab ID: 2200316-13

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*123 %*		*77 - 159*		B2C1079	03/11/2022	*03/11/22 18:10*	
Surrogate: Toluene-d8	*104 %*		*81 - 128*		B2C1079	03/11/2022	*03/11/22 18:10*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.90	1	B2C1152	03/15/2022	03/15/22 07:17	
Surrogate: 4-Bromofluorobenzene	*90.4 %*		*47.6 - 121.18*		B2C1152	03/15/2022	*03/15/22 07:17*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

QUALITY CONTROL SECTION

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1149 - MSSEMI_S										
Blank (B2C1149-BLK1)						Prepared: 3/14/2022 Analyzed: 3/14/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	ND	5.0	0.45							
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	ND	5.0	0.34							
Pyrene	ND	5.0	0.51							
Surrogate: 1,2-Dichlorobenzene-d4	*21.80*			*33.3333*		*65.4*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*26.94*			*33.3333*		*80.8*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*15.54*			*33.3333*		*46.6*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*39.03*			*33.3333*		*117*	*16 - 152*			
LCS (B2C1149-BS1)						Prepared: 3/14/2022 Analyzed: 3/14/2022				
2-Methylnaphthalene	23.0107	5.0	0.60	33.3333		69.0	39 - 92			
Acenaphthene	26.6737	5.0	0.41	33.3333		80.0	35 - 94			
Acenaphthylene	29.3323	5.0	0.41	33.3333		88.0	31 - 101			
Anthracene	23.4793	5.0	0.56	33.3333		70.4	37 - 95			
Benzo(a)anthracene	26.5360	5.0	0.56	33.3333		79.6	43 - 102			
Benzo(a)pyrene	27.0590	5.0	0.69	33.3333		81.2	38 - 95			
Benzo(b)fluoranthene	28.9413	5.0	2.2	33.3333		86.8	44 - 102			
Benzo(g,h,i)perylene	23.5337	5.0	0.80	33.3333		70.6	34 - 114			
Benzo(k)fluoranthene	27.0187	5.0	0.70	33.3333		81.1	34 - 110			
Chrysene	30.3950	5.0	0.61	33.3333		91.2	46 - 101			
Dibenz(a,h)anthracene	23.8210	5.0	0.88	33.3333		71.5	35 - 117			
Fluoranthene	28.1763	5.0	0.45	33.3333		84.5	46 - 107			
Fluorene	27.9957	5.0	0.35	33.3333		84.0	35 - 98			
Indeno(1,2,3-cd)pyrene	24.2050	5.0	0.82	33.3333		72.6	35 - 114			
Naphthalene	23.5307	5.0	0.56	33.3333		70.6	39 - 86			
Phenanthrene	27.7383	5.0	0.34	33.3333		83.2	43 - 98			
Pyrene	28.3930	5.0	0.51	33.3333		85.2	44 - 108			
Surrogate: 1,2-Dichlorobenzene-d4	*23.08*			*33.3333*		*69.2*	*12 - 125*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1149 - MSSEMI_S (continued)										
LCS (B2C1149-BS1) - Continued						Prepared: 3/14/2022 Analyzed: 3/14/2022				
Surrogate: 2-Fluorobiphenyl	*26.75*			*33.3333*		*80.3*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*21.65*			*33.3333*		*65.0*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*33.48*			*33.3333*		*100*	*16 - 152*			
Matrix Spike (B2C1149-MS1)			**Source: 2200307-10**			Prepared: 3/14/2022 Analyzed: 3/14/2022				
2-Methylnaphthalene	24.6897	5.0	0.60	33.3333	ND	74.1	43 - 120			
Acenaphthene	30.1083	5.0	0.41	33.3333	ND	90.3	52 - 113			
Acenaphthylene	30.6713	5.0	0.41	33.3333	ND	92.0	44 - 126			
Anthracene	27.9053	5.0	0.56	33.3333	ND	83.7	49 - 128			
Benzo(a)anthracene	29.1493	5.0	0.56	33.3333	ND	87.4	32 - 158			
Benzo(a)pyrene	27.2937	5.0	0.69	33.3333	ND	81.9	39 - 137			
Benzo(b)fluoranthene	31.1577	5.0	2.2	33.3333	ND	93.5	52 - 132			
Benzo(g,h,i)perylene	27.3143	5.0	0.80	33.3333	ND	81.9	35 - 162			
Benzo(k)fluoranthene	30.0907	5.0	0.70	33.3333	ND	90.3	18 - 153			
Chrysene	33.2883	5.0	0.61	33.3333	ND	99.9	25 - 160			
Dibenz(a,h)anthracene	27.0950	5.0	0.88	33.3333	ND	81.3	41 - 155			
Fluoranthene	30.7537	5.0	0.45	33.3333	ND	92.3	5 - 185			
Fluorene	29.2517	5.0	0.35	33.3333	ND	87.8	28 - 135			
Indeno(1,2,3-cd)pyrene	27.4323	5.0	0.82	33.3333	ND	82.3	36 - 162			
Naphthalene	25.6073	5.0	0.56	33.3333	ND	76.8	41 - 113			
Phenanthrene	30.0330	5.0	0.34	33.3333	ND	90.1	35 - 143			
Pyrene	31.0980	5.0	0.51	33.3333	ND	93.3	10 - 184			
Surrogate: 1,2-Dichlorobenzene-d4	*25.23*			*33.3333*		*75.7*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*28.33*			*33.3333*		*85.0*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*24.93*			*33.3333*		*74.8*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*37.57*			*33.3333*		*113*	*16 - 152*			
Matrix Spike Dup (B2C1149-MSD1)			**Source: 2200307-10**			Prepared: 3/14/2022 Analyzed: 3/14/2022				
2-Methylnaphthalene	21.2197	5.0	0.60	33.3333	ND	63.7	43 - 120	15.1	20	
Acenaphthene	25.1877	5.0	0.41	33.3333	ND	75.6	52 - 113	17.8	20	
Acenaphthylene	28.0250	5.0	0.41	33.3333	ND	84.1	44 - 126	9.02	20	
Anthracene	24.8657	5.0	0.56	33.3333	ND	74.6	49 - 128	11.5	20	
Benzo(a)anthracene	25.6723	5.0	0.56	33.3333	ND	77.0	32 - 158	12.7	20	
Benzo(a)pyrene	24.1357	5.0	0.69	33.3333	ND	72.4	39 - 137	12.3	20	
Benzo(b)fluoranthene	27.3750	5.0	2.2	33.3333	ND	82.1	52 - 132	12.9	20	
Benzo(g,h,i)perylene	24.0880	5.0	0.80	33.3333	ND	72.3	35 - 162	12.6	20	
Benzo(k)fluoranthene	25.7330	5.0	0.70	33.3333	ND	77.2	18 - 153	15.6	20	
Chrysene	28.6320	5.0	0.61	33.3333	ND	85.9	25 - 160	15.0	20	
Dibenz(a,h)anthracene	22.0493	5.0	0.88	33.3333	ND	66.1	41 - 155	20.5	20	R
Fluoranthene	28.8287	5.0	0.45	33.3333	ND	86.5	5 - 185	6.46	20	
Fluorene	26.7893	5.0	0.35	33.3333	ND	80.4	28 - 135	8.79	20	
Indeno(1,2,3-cd)pyrene	23.2723	5.0	0.82	33.3333	ND	69.8	36 - 162	16.4	20	
Naphthalene	22.2973	5.0	0.56	33.3333	ND	66.9	41 - 113	13.8	20	
Phenanthrene	24.4213	5.0	0.34	33.3333	ND	73.3	35 - 143	20.6	20	R
Pyrene	29.1253	5.0	0.51	33.3333	ND	87.4	10 - 184	6.55	20	

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/16/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1149 - MSSEMI_S (continued)									
Matrix Spike Dup (B2C1149-MSD1) - Continued			**Source: 2200307-10**		Prepared: 3/14/2022 Analyzed: 3/14/2022				
Surrogate: 1,2-Dichlorobenzene-d4	*19.21*		*33.3333*		*57.6*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*23.23*		*33.3333*		*69.7*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*20.99*		*33.3333*		*63.0*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*32.25*		*33.3333*		*96.7*	*16 - 152*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1152 - GCVOA_S										
Blank (B2C1152-BLK1)						Prepared: 3/15/2022 Analyzed: 3/15/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6919*			*0.800000*		*86.5*	*47.6 - 121.18*			
LCS (B2C1152-BS1)						Prepared: 3/15/2022 Analyzed: 3/15/2022				
Gasoline Range Organics	5.74600	1.0	0.13	5.00000		115	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7734*			*0.800000*		*96.7*	*47.6 - 121.18*			
LCS Dup (B2C1152-BSD1)						Prepared: 3/15/2022 Analyzed: 3/15/2022				
Gasoline Range Organics	5.63400	1.0	0.13	5.00000		113	68.69 - 124.04	1.97	20	
Surrogate: 4-Bromofluorobenzene	*0.7505*			*0.800000*		*93.8*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1032 - EPA 3050B_S										
Blank (B2C1032-BLK1)						Prepared: 3/9/2022 Analyzed: 3/9/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1032-BS1)						Prepared: 3/9/2022 Analyzed: 3/9/2022				
Antimony	26.2213	2.0	0.51	25.0000		105	80 - 120			
Arsenic	27.1756	1.0	0.12	25.0000		109	80 - 120			
Barium	26.1127	1.0	0.12	25.0000		104	80 - 120			
Beryllium	28.0814	1.0	0.03	25.0100		112	80 - 120			
Cadmium	27.1955	1.0	0.14	25.0000		109	80 - 120			
Chromium	27.3470	1.0	0.26	25.0000		109	80 - 120			
Cobalt	28.9780	1.0	0.07	25.0000		116	80 - 120			
Copper	26.9327	2.0	0.19	25.0000		108	80 - 120			
Lead	26.9355	1.0	0.18	25.0000		108	80 - 120			
Molybdenum	27.8629	1.0	0.12	25.0000		111	80 - 120			
Nickel	27.0212	1.0	0.18	25.0000		108	80 - 120			
Selenium	28.1742	1.0	0.40	25.0000		113	80 - 120			
Silver	12.8825	1.0	0.12	12.5000		103	80 - 120			
Thallium	27.1773	1.0	0.38	25.0000		109	80 - 120			
Vanadium	27.2601	1.0	0.06	25.0000		109	80 - 120			
Zinc	26.9772	1.0	0.15	25.0000		108	80 - 120			
Matrix Spike (B2C1032-MS1)			**Source: 2200315-01**			Prepared: 3/9/2022 Analyzed: 3/9/2022				
Antimony	39.7045	2.0	0.51	25.0000	26.1027	54.4	0 - 102			
Arsenic	41.3429	1.0	0.12	25.0000	15.4172	104	55 - 117			
Barium	768.548	1.0	0.12	25.0000	713.375	221	11 - 177			M2
Beryllium	22.9591	1.0	0.03	25.0100	1.54836	85.6	64 - 115			
Cadmium	43.7769	1.0	0.14	25.0000	19.4841	97.2	62 - 116			
Chromium	268.463	1.0	0.26	25.0000	212.956	222	42 - 145			M2
Cobalt	59.4786	1.0	0.07	25.0000	33.8706	102	60 - 126			
Copper	696.152	100	9.4	25.0000	795.726	-398	37 - 163			M2
Lead	602.715	50	9.1	25.0000	5666.45	-20300	26 - 161			M2

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/16/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1032 - EPA 3050B_S (continued)										
Matrix Spike (B2C1032-MS1) - Continued			**Source: 2200315-01**			Prepared: 3/9/2022 Analyzed: 3/9/2022				
Molybdenum	104.606	1.0	0.12	25.0000	89.0377	62.3	31 - 122			
Nickel	215.563	1.0	0.18	25.0000	199.223	65.4	52 - 130			
Selenium	47.6704	1.0	0.40	25.0000	21.0207	107	25 - 129			
Silver	15.7183	1.0	0.12	12.5000	2.74922	104	48 - 133			
Thallium	18.9686	1.0	0.38	25.0000	ND	75.9	25 - 119			
Vanadium	94.3344	1.0	0.06	25.0000	53.8040	162	51 - 141			M2
Zinc	2516.87	50	7.5	25.0000	2754.58	-951	8 - 170			M2
Matrix Spike Dup (B2C1032-MSD1)			**Source: 2200315-01**			Prepared: 3/9/2022 Analyzed: 3/9/2022				
Antimony	40.6889	2.0	0.51	25.0000	26.1027	58.3	0 - 102	2.45	20	
Arsenic	42.4332	1.0	0.12	25.0000	15.4172	108	55 - 117	2.60	20	
Barium	802.530	1.0	0.12	25.0000	713.375	357	11 - 177	4.33	20	M2
Beryllium	23.6303	1.0	0.03	25.0100	1.54836	88.3	64 - 115	2.88	20	
Cadmium	44.8365	1.0	0.14	25.0000	19.4841	101	62 - 116	2.39	20	
Chromium	277.023	1.0	0.26	25.0000	212.956	256	42 - 145	3.14	20	M2
Cobalt	60.4248	1.0	0.07	25.0000	33.8706	106	60 - 126	1.58	20	
Copper	811.221	100	9.4	25.0000	795.726	62.0	37 - 163	15.3	20	
Lead	720.704	50	9.1	25.0000	5666.45	-19800	26 - 161	17.8	20	M2
Molybdenum	109.156	1.0	0.12	25.0000	89.0377	80.5	31 - 122	4.26	20	
Nickel	222.871	1.0	0.18	25.0000	199.223	94.6	52 - 130	3.33	20	
Selenium	49.3315	1.0	0.40	25.0000	21.0207	113	25 - 129	3.42	20	
Silver	16.4811	1.0	0.12	12.5000	2.74922	110	48 - 133	4.74	20	
Thallium	20.5531	1.0	0.38	25.0000	ND	82.2	25 - 119	8.02	20	
Vanadium	96.9364	1.0	0.06	25.0000	53.8040	173	51 - 141	2.72	20	M2
Zinc	2999.52	50	7.5	25.0000	2754.58	980	8 - 170	17.5	20	M2

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1085 - EPA 7471_S										
Blank (B2C1085-BLK1)						Prepared: 3/11/2022 Analyzed: 3/14/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1085-BS1)						Prepared: 3/11/2022 Analyzed: 3/14/2022				
Mercury	0.424890	0.10	0.01	0.416667		102	80 - 120			
Matrix Spike (B2C1085-MS1)			**Source: 2200316-01**			Prepared: 3/11/2022 Analyzed: 3/14/2022				
Mercury	0.418068	0.10	0.01	0.416667	0.021839	95.1	70 - 130			
Matrix Spike Dup (B2C1085-MSD1)			**Source: 2200316-01**			Prepared: 3/11/2022 Analyzed: 3/14/2022				
Mercury	0.421348	0.10	0.01	0.416667	0.021839	95.9	70 - 130	0.782	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1085 - EPA 7471_S									
Post Spike (B2C1085-PS1)			**Source: 2200316-01**		Prepared: 3/11/2022 Analyzed: 3/14/2022				
Mercury	0.005031		5.00000E-3	0.000262	95.4	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1039 - GCSEMI_DRO_S										
Blank (B2C1039-BLK1)						Prepared: 3/9/2022 Analyzed: 3/10/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*75.84*			*80.0000*		*94.8*	*62 - 141*			
LCS (B2C1039-BS1)						Prepared: 3/9/2022 Analyzed: 3/10/2022				
DRO	932.763	10	3.6	1000.00		93.3	56 - 139			
Surrogate: p-Terphenyl	*80.56*			*80.0000*		*101*	*62 - 141*			
Matrix Spike (B2C1039-MS1)			**Source: 2200318-02**			Prepared: 3/9/2022 Analyzed: 3/10/2022				
DRO	932.858	10	3.6	1000.00	ND	93.3	38 - 161			
Surrogate: p-Terphenyl	*81.55*			*80.0000*		*102*	*62 - 141*			
Matrix Spike Dup (B2C1039-MSD1)			**Source: 2200318-02**			Prepared: 3/9/2022 Analyzed: 3/10/2022				
DRO	937.937	10	3.6	1000.00	ND	93.8	38 - 161	0.543	20	
Surrogate: p-Terphenyl	*82.82*			*80.0000*		*104*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1045 - GCSEMI_PCB/PEST_S										
Blank (B2C1045-BLK1)						Prepared: 3/9/2022 Analyzed: 3/9/2022				
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
Surrogate: Decachlorobiphenyl	*10.80*			*16.6667*		*64.8*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*10.03*			*16.6667*		*60.2*	*0 - 103*			
LCS (B2C1045-BS1)						Prepared: 3/9/2022 Analyzed: 3/9/2022				
Aroclor 1016	123.368	16	1.9	333.333		37.0	11 - 108			
Aroclor 1260	136.347	16	1.9	333.333		40.9	19 - 112			
Surrogate: Decachlorobiphenyl	*11.35*			*16.6667*		*68.1*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*11.18*			*16.6667*		*67.1*	*0 - 103*			
Matrix Spike (B2C1045-MS1)			**Source: 2200316-01**			Prepared: 3/9/2022 Analyzed: 3/9/2022				
Aroclor 1016	106.090	16	1.9	333.333	ND	31.8	0 - 135			
Aroclor 1260	119.952	16	1.9	333.333	ND	36.0	0 - 127			
Surrogate: Decachlorobiphenyl	*9.771*			*16.6667*		*58.6*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*9.669*			*16.6667*		*58.0*	*0 - 103*			
Matrix Spike Dup (B2C1045-MSD1)			**Source: 2200316-01**			Prepared: 3/9/2022 Analyzed: 3/9/2022				
Aroclor 1016	109.417	16	1.9	333.333	ND	32.8	0 - 135	3.09	20	
Aroclor 1260	123.399	16	1.9	333.333	ND	37.0	0 - 127	2.83	20	
Surrogate: Decachlorobiphenyl	*9.927*			*16.6667*		*59.6*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*9.928*			*16.6667*		*59.6*	*0 - 103*			

Certificate of Analysis

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Irvine , CA 92612	Reported : 05/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1079 - MSVOA_S										
Blank (B2C1079-BLK1)							Prepared: 3/11/2022 Analyzed: 3/11/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1079 - MSVOA_S (continued)										
Blank (B2C1079-BLK1) - Continued						Prepared: 3/11/2022 Analyzed: 3/11/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*55.11*			*50.0000*		*110*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.98*			*50.0000*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.80*			*50.0000*		*108*	*77 - 159*			
Surrogate: Toluene-d8	*50.46*			*50.0000*		*101*	*81 - 128*			
LCS (B2C1079-BS1)						Prepared: 3/11/2022 Analyzed: 3/11/2022				
1,1,1,2-Tetrachloroethane	47.2000	5.0	0.52	50.0000		94.4	84 - 123			
1,1,1-Trichloroethane	61.3800	5.0	0.26	50.0000		123	78 - 133			
1,1,2,2-Tetrachloroethane	48.7000	5.0	0.21	50.0000		97.4	63 - 127			
1,1,2-Trichloroethane	53.2500	5.0	0.40	50.0000		106	80 - 125			
1,1-Dichloroethane	57.6900	5.0	1.4	50.0000		115	77 - 128			
1,1-Dichloroethene	54.1200	5.0	1.9	50.0000		108	69 - 138			
1,1-Dichloropropene	53.9900	5.0	0.54	50.0000		108	80 - 133			
1,2,3-Trichloropropane	45.2200	5.0	0.40	50.0000		90.4	74 - 123			
1,2,3-Trichlorobenzene	45.6600	5.0	0.83	50.0000		91.3	79 - 133			
1,2,4-Trichlorobenzene	47.5500	5.0	0.80	50.0000		95.1	73 - 131			
1,2,4-Trimethylbenzene	46.3800	5.0	0.91	50.0000		92.8	86 - 137			
1,2-Dibromo-3-chloropropane	45.7700	10	1.1	50.0000		91.5	62 - 127			
1,2-Dibromoethane	53.5100	5.0	0.40	50.0000		107	83 - 126			
1,2-Dichlorobenzene	45.8300	5.0	0.21	50.0000		91.7	83 - 123			
1,2-Dichloroethane	51.0400	5.0	0.50	50.0000		102	76 - 128			

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1079 - MSVOA_S (continued)										
LCS (B2C1079-BS1) - Continued						Prepared: 3/11/2022 Analyzed: 3/11/2022				
1,2-Dichloropropane	53.6900	5.0	0.46	50.0000		107	77 - 121			
1,3,5-Trimethylbenzene	45.3800	5.0	0.70	50.0000		90.8	84 - 135			
1,3-Dichlorobenzene	45.7700	5.0	0.36	50.0000		91.5	81 - 126			
1,3-Dichloropropane	49.7000	5.0	0.49	50.0000		99.4	80 - 118			
1,4-Dichlorobenzene	46.6700	5.0	0.27	50.0000		93.3	80 - 124			
2,2-Dichloropropane	57.8400	5.0	0.28	50.0000		116	72 - 135			
2-Chlorotoluene	45.6500	5.0	0.53	50.0000		91.3	81 - 127			
4-Chlorotoluene	46.7600	5.0	0.40	50.0000		93.5	83 - 127			
4-Isopropyltoluene	45.9600	5.0	0.81	50.0000		91.9	82 - 143			
Benzene	53.3000	5.0	0.36	50.0000		107	84 - 123			
Bromobenzene	46.5300	5.0	0.62	50.0000		93.1	80 - 122			
Bromochloromethane	58.4100	5.0	0.30	50.0000		117	83 - 127			
Bromodichloromethane	55.3800	5.0	0.52	50.0000		111	82 - 123			
Bromoform	47.8600	5.0	1.4	50.0000		95.7	80 - 132			
Bromomethane	53.5100	5.0	2.5	50.0000		107	67 - 176			
Carbon disulfide	54.8500	5.0	0.94	50.0000		110	75 - 138			
Carbon tetrachloride	51.9100	5.0	0.73	50.0000		104	76 - 131			
Chlorobenzene	48.9800	5.0	0.42	50.0000		98.0	84 - 119			
Chloroethane	65.9500	5.0	1.5	50.0000		132	56 - 170			
Chloroform	60.6400	5.0	0.24	50.0000		121	78 - 129			
Chloromethane	54.8000	5.0	1.1	50.0000		110	63 - 141			
cis-1,2-Dichloroethene	45.1200	5.0	0.20	50.0000		90.2	83 - 125			
cis-1,3-Dichloropropene	53.2900	5.0	0.39	50.0000		107	76 - 129			
Di-isopropyl ether	59.2400	5.0	1.9	50.0000		118	73 - 132			
Dibromochloromethane	49.7100	5.0	0.81	50.0000		99.4	81 - 120			
Dibromomethane	55.0100	5.0	0.23	50.0000		110	79 - 124			
Dichlorodifluoromethane	48.7600	5.0	0.14	50.0000		97.5	18 - 199			
Ethyl Acetate	53.2000	50	7.0	500.000		10.6	76 - 138			MO
Ethyl Ether	618.390	50	17	500.000		124	74 - 128			
Ethyl tert-butyl ether	55.8300	5.0	0.85	50.0000		112	50 - 175			
Ethylbenzene	49.4500	5.0	0.43	50.0000		98.9	86 - 130			
Freon-113	61.1300	5.0	1.3	50.0000		122	66 - 132			
Hexachlorobutadiene	45.6900	5.0	0.40	50.0000		91.4	64 - 135			
Isopropylbenzene	47.4300	5.0	0.79	50.0000		94.9	80 - 133			
m,p-Xylene	90.1000	10	0.98	100.000		90.1	89 - 133			
Methylene chloride	52.4300	5.0	2.2	50.0000		105	72 - 143			
MTBE	52.8600	5.0	0.81	50.0000		106	73 - 136			
n-Butylbenzene	47.3300	5.0	1.2	50.0000		94.7	76 - 144			
n-Propylbenzene	45.9100	5.0	0.78	50.0000		91.8	81 - 136			
Naphthalene	47.8500	5.0	1.1	50.0000		95.7	64 - 128			
o-Xylene	48.4000	5.0	0.67	50.0000		96.8	82 - 134			
sec-Butylbenzene	47.3200	5.0	0.63	50.0000		94.6	81 - 138			
Styrene	48.9700	5.0	0.45	50.0000		97.9	79 - 152			
tert-Amyl methyl ether	60.1900	5.0	1.1	50.0000		120	48 - 166			
tert-Butanol	309.200	100	11	250.000		124	48 - 148			

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1079 - MSVOA_S (continued)										
LCS (B2C1079-BS1) - Continued						Prepared: 3/11/2022 Analyzed: 3/11/2022				
tert-Butylbenzene	45.6900	5.0	0.80	50.0000		91.4	81 - 135			
Tetrachloroethene	48.2900	5.0	0.31	50.0000		96.6	75 - 127			
Toluene	54.0500	5.0	0.27	50.0000		108	88 - 130			
trans-1,2-Dichloroethene	73.6100	5.0	0.56	50.0000		147	79 - 127			L5
trans-1,3-Dichloropropene	50.3700	5.0	0.59	50.0000		101	80 - 130			
Trichloroethene	52.6700	5.0	0.32	50.0000		105	83 - 126			
Trichlorofluoromethane	64.0900	5.0	1.0	50.0000		128	62 - 143			
Vinyl acetate	59.5700	50	6.0	500.000		11.9	69 - 150			MO
Vinyl chloride	59.5200	5.0	0.92	50.0000		119	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*55.92*			*50.0000*		*112*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.09*			*50.0000*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*55.82*			*50.0000*		*112*	*77 - 159*			
Surrogate: Toluene-d8	*51.16*			*50.0000*		*102*	*81 - 128*			
LCS Dup (B2C1079-BSD1)						Prepared: 3/11/2022 Analyzed: 3/11/2022				
1,1,1,2-Tetrachloroethane	45.6700	5.0	0.52	50.0000		91.3	84 - 123	3.29	20	
1,1,1-Trichloroethane	59.1600	5.0	0.26	50.0000		118	78 - 133	3.68	20	
1,1,2,2-Tetrachloroethane	48.1000	5.0	0.21	50.0000		96.2	63 - 127	1.24	20	
1,1,2-Trichloroethane	54.0800	5.0	0.40	50.0000		108	80 - 125	1.55	20	
1,1-Dichloroethane	55.2000	5.0	1.4	50.0000		110	77 - 128	4.41	20	
1,1-Dichloroethene	51.4200	5.0	1.9	50.0000		103	69 - 138	5.12	20	
1,1-Dichloropropene	54.0000	5.0	0.54	50.0000		108	80 - 133	0.0185	20	
1,2,3-Trichloropropane	45.7600	5.0	0.40	50.0000		91.5	74 - 123	1.19	20	
1,2,3-Trichlorobenzene	46.1800	5.0	0.83	50.0000		92.4	79 - 133	1.13	20	
1,2,4-Trichlorobenzene	45.9100	5.0	0.80	50.0000		91.8	73 - 131	3.51	20	
1,2,4-Trimethylbenzene	45.7500	5.0	0.91	50.0000		91.5	86 - 137	1.37	20	
1,2-Dibromo-3-chloropropane	49.2100	10	1.1	50.0000		98.4	62 - 127	7.24	20	
1,2-Dibromoethane	54.8400	5.0	0.40	50.0000		110	83 - 126	2.46	20	
1,2-Dichlorobenzene	46.5800	5.0	0.21	50.0000		93.2	83 - 123	1.62	20	
1,2-Dichloroethane	53.8000	5.0	0.50	50.0000		108	76 - 128	5.27	20	
1,2-Dichloropropane	54.5400	5.0	0.46	50.0000		109	77 - 121	1.57	20	
1,3,5-Trimethylbenzene	44.6300	5.0	0.70	50.0000		89.3	84 - 135	1.67	20	
1,3-Dichlorobenzene	45.5000	5.0	0.36	50.0000		91.0	81 - 126	0.592	20	
1,3-Dichloropropane	48.1800	5.0	0.49	50.0000		96.4	80 - 118	3.11	20	
1,4-Dichlorobenzene	46.9500	5.0	0.27	50.0000		93.9	80 - 124	0.598	20	
2,2-Dichloropropane	53.8300	5.0	0.28	50.0000		108	72 - 135	7.18	20	
2-Chlorotoluene	45.4300	5.0	0.53	50.0000		90.9	81 - 127	0.483	20	
4-Chlorotoluene	46.7000	5.0	0.40	50.0000		93.4	83 - 127	0.128	20	
4-Isopropyltoluene	44.1300	5.0	0.81	50.0000		88.3	82 - 143	4.06	20	
Benzene	53.4300	5.0	0.36	50.0000		107	84 - 123	0.244	20	
Bromobenzene	47.0000	5.0	0.62	50.0000		94.0	80 - 122	1.01	20	
Bromochloromethane	57.5900	5.0	0.30	50.0000		115	83 - 127	1.41	20	
Bromodichloromethane	55.2800	5.0	0.52	50.0000		111	82 - 123	0.181	20	
Bromoform	46.5100	5.0	1.4	50.0000		93.0	80 - 132	2.86	20	
Bromomethane	51.0400	5.0	2.5	50.0000		102	67 - 176	4.73	20	

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1079 - MSVOA_S (continued)										
LCS Dup (B2C1079-BSD1) - Continued					Prepared: 3/11/2022 Analyzed: 3/11/2022					
Carbon disulfide	52.4900	5.0	0.94	50.0000		105	75 - 138	4.40	20	
Carbon tetrachloride	51.7100	5.0	0.73	50.0000		103	76 - 131	0.386	20	
Chlorobenzene	46.8500	5.0	0.42	50.0000		93.7	84 - 119	4.45	20	
Chloroethane	64.3700	5.0	1.5	50.0000		129	56 - 170	2.42	20	
Chloroform	57.1700	5.0	0.24	50.0000		114	78 - 129	5.89	20	
Chloromethane	52.6000	5.0	1.1	50.0000		105	63 - 141	4.10	20	
cis-1,2-Dichloroethene	43.3900	5.0	0.20	50.0000		86.8	83 - 125	3.91	20	
cis-1,3-Dichloropropene	51.9700	5.0	0.39	50.0000		104	76 - 129	2.51	20	
Di-isopropyl ether	57.5000	5.0	1.9	50.0000		115	73 - 132	2.98	20	
Dibromochloromethane	50.2700	5.0	0.81	50.0000		101	81 - 120	1.12	20	
Dibromomethane	55.6700	5.0	0.23	50.0000		111	79 - 124	1.19	20	
Dichlorodifluoromethane	44.7400	5.0	0.14	50.0000		89.5	18 - 199	8.60	20	
Ethyl Acetate	30.7200	50	7.0	500.000		6.14	76 - 138	53.6	20	MO
Ethyl Ether	595.830	50	17	500.000		119	74 - 128	3.72	20	
Ethyl tert-butyl ether	54.5300	5.0	0.85	50.0000		109	50 - 175	2.36	20	
Ethylbenzene	46.7700	5.0	0.43	50.0000		93.5	86 - 130	5.57	20	
Freon-113	59.1100	5.0	1.3	50.0000		118	66 - 132	3.36	20	
Hexachlorobutadiene	45.5100	5.0	0.40	50.0000		91.0	64 - 135	0.395	20	
Isopropylbenzene	46.0100	5.0	0.79	50.0000		92.0	80 - 133	3.04	20	
m,p-Xylene	87.1200	10	0.98	100.000		87.1	89 - 133	3.36	20	L3
Methylene chloride	51.0500	5.0	2.2	50.0000		102	72 - 143	2.67	20	
MTBE	52.0800	5.0	0.81	50.0000		104	73 - 136	1.49	20	
n-Butylbenzene	45.7300	5.0	1.2	50.0000		91.5	76 - 144	3.44	20	
n-Propylbenzene	44.6800	5.0	0.78	50.0000		89.4	81 - 136	2.72	20	
Naphthalene	47.9100	5.0	1.1	50.0000		95.8	64 - 128	0.125	20	
o-Xylene	47.1700	5.0	0.67	50.0000		94.3	82 - 134	2.57	20	
sec-Butylbenzene	46.1400	5.0	0.63	50.0000		92.3	81 - 138	2.53	20	
Styrene	47.5100	5.0	0.45	50.0000		95.0	79 - 152	3.03	20	
tert-Amyl methyl ether	59.4300	5.0	1.1	50.0000		119	48 - 166	1.27	20	
tert-Butanol	297.920	100	11	250.000		119	48 - 148	3.72	20	
tert-Butylbenzene	45.2700	5.0	0.80	50.0000		90.5	81 - 135	0.923	20	
Tetrachloroethene	46.4700	5.0	0.31	50.0000		92.9	75 - 127	3.84	20	
Toluene	53.1100	5.0	0.27	50.0000		106	88 - 130	1.75	20	
trans-1,2-Dichloroethene	69.7700	5.0	0.56	50.0000		140	79 - 127	5.36	20	L5
trans-1,3-Dichloropropene	50.1400	5.0	0.59	50.0000		100	80 - 130	0.458	20	
Trichloroethene	53.4600	5.0	0.32	50.0000		107	83 - 126	1.49	20	
Trichlorofluoromethane	59.5900	5.0	1.0	50.0000		119	62 - 143	7.28	20	
Vinyl acetate	36.7400	50	6.0	500.000		7.35	69 - 150	47.4	20	MO
Vinyl chloride	56.0900	5.0	0.92	50.0000		112	69 - 140	5.93	20	
Surrogate: 1,2-Dichloroethane-d4	*51.14*			*50.0000*		*102*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.68*			*50.0000*		*101*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.56*			*50.0000*		*107*	*77 - 159*			
Surrogate: Toluene-d8	*52.73*			*50.0000*		*105*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/8/22

Page 1 of 1

2200316

3.4°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tian Novin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	68-17-2-1	3/8/22	0918	Soil	1	1			X						X			
2	68-17-1-1		0954		1	1			X						X			
3	68-17-1-5.5		1015		5	1	4			X	X	X						
4	68-17-2-5.5		1035		5	1	4			X	X	X						
5	68-17-3-1		1050		1	1			X						X			
6	68-17-3-5.5		1103		5	1	4			X	X	X						
7	68-22-1-1-1		1245		1	1			X									
8	68-22-1-1-5.5		1255	↓	5	1	4			X	X	X		X				
9	TB_20220308		1325	Water	4		4											X
10	68-22-1-2-1		1339	Soil	1				X									
11	68-22-1-2-5.5		1350		5	1	4			X	X	X		X				
12	68-22-Shed 1-1-1		1424		1	1			X									
13	68-22-Shed 1-1-5.5		1430	↓	5	1	4			X	X	X						
14	EB_20220308	↓	1445	Water	5	1	4											X

Relinquished by: (Signature) Tian Novin	Received by: (Signature)	Date: 3/8/22	Time: 1508
Relinquished by: (Signature) 3/8/22 17:06	Received by: (Signature) ATL Ethan Tran	Date: 3/8/22	Time: 17:06
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

May 16, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

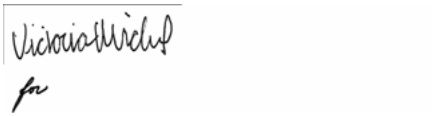
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200329
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 09, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,



Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 05/16/22 10:20 on Behalf of



Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-42-1-1	2200329-01	Soil	3/09/22 8:16	3/09/22 18:09
61W-42-1-5.5	2200329-02	Soil	3/09/22 8:38	3/09/22 18:09
61W-41-2-1	2200329-03	Soil	3/09/22 9:10	3/09/22 18:09
61W-41-2-5.5	2200329-04	Soil	3/09/22 9:22	3/09/22 18:09
61W-41-1-1	2200329-05	Soil	3/09/22 9:52	3/09/22 18:09
61W-41-1-5.5	2200329-06	Soil	3/09/22 10:05	3/09/22 18:09
61W-40-1-1	2200329-07	Soil	3/09/22 10:38	3/09/22 18:09
61W-40-1-5.5	2200329-08	Soil	3/09/22 11:05	3/09/22 18:09
61W-29-3-1	2200329-09	Soil	3/09/22 12:00	3/09/22 18:09
61W-29-3-5	2200329-10	Soil	3/09/22 12:14	3/09/22 18:09
61W-29-2-1	2200329-11	Soil	3/09/22 13:06	3/09/22 18:09
61W-29-2-5	2200329-12	Soil	3/09/22 13:13	3/09/22 18:09
TB_20220309	2200329-13	Water	3/09/22 13:16	3/09/22 18:09
61W-29-1-1	2200329-14	Soil	3/09/22 13:28	3/09/22 18:09
61W-29-1-5	2200329-15	Soil	3/09/22 13:33	3/09/22 18:09
61W-24-1-1	2200329-16	Soil	3/09/22 14:05	3/09/22 18:09
61W-24-1-3	2200329-17	Soil	3/09/22 14:08	3/09/22 18:09

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Notes and Definitions

S4	Surrogate was diluted out.
S1	Surrogate recovery was above laboratory acceptance limit. No associated target analyte was detected in the sample.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
D10	Sample required dilution due to dark sample
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200329-01	61W-42-1-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:37	
2200329-03	61W-41-2-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:39	
2200329-05	61W-41-1-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:48	
2200329-07	61W-40-1-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:50	
2200329-09	61W-29-3-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:53	
2200329-11	61W-29-2-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:56	
2200329-14	61W-29-1-1	**ND**	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:59	

Client Sample ID: 61W-42-1-1

Lab ID: 2200329-01

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Barium	**84**	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Beryllium	**2.0**	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Chromium	**11**	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Cobalt	**4.5**	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Copper	**8.2**	2.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Lead	**2.1**	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Nickel	**4.9**	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Selenium	**1.5**	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Silver	**4.3**	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Vanadium	**25**	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	
Zinc	**31**	1.0	1	B2C1100	03/15/2022	03/15/22 17:07	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-42-1-5.5

Lab ID: 2200329-02

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1117	03/12/2022	03/15/22 00:15	
C23-C32	ND	10	1	B2C1117	03/12/2022	03/15/22 00:15	
Surrogate: p-Terphenyl	*184 %*	*62 - 141*		B2C1117	03/12/2022	*03/15/22 00:15*	S1

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,1,1-Trichloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,1,2-Trichloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,1-Dichloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,1-Dichloroethene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,1-Dichloropropene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2,3-Trichloropropane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2-Dibromoethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2-Dichlorobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2-Dichloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2-Dichloropropane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,3-Dichlorobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,3-Dichloropropane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,4-Dichlorobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
2,2-Dichloropropane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
2-Chlorotoluene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
4-Chlorotoluene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
4-Isopropyltoluene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Benzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Bromobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Bromochloromethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Bromodichloromethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Bromoform	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Bromomethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Carbon disulfide	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-42-1-5.5

Lab ID: 2200329-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Chlorobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Chloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Chloroform	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Chloromethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Di-isopropyl ether	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Dibromochloromethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Dibromomethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Dichlorodifluoromethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Ethyl Acetate	ND	43	1	B2C1128	03/15/2022	03/14/22 15:14	
Ethyl Ether	ND	43	1	B2C1128	03/15/2022	03/14/22 15:14	
Ethyl tert-butyl ether	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Ethylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Freon-113	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Hexachlorobutadiene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Isopropylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
m,p-Xylene	ND	8.7	1	B2C1128	03/15/2022	03/14/22 15:14	
Methylene chloride	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
MTBE	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
n-Butylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
n-Propylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Naphthalene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
o-Xylene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
sec-Butylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Styrene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
tert-Amyl methyl ether	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
tert-Butanol	ND	87	1	B2C1128	03/15/2022	03/14/22 15:14	
tert-Butylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Tetrachloroethene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Toluene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Trichloroethene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Trichlorofluoromethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Vinyl acetate	ND	43	1	B2C1128	03/15/2022	03/14/22 15:14	
Vinyl chloride	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Surrogate: 1,2-Dichloroethane-d4	*170 %*	*66 - 200*		B2C1128	03/15/2022	*03/14/22 15:14*	
Surrogate: 4-Bromofluorobenzene	*109 %*	*50 - 146*		B2C1128	03/15/2022	*03/14/22 15:14*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-42-1-5.5
Lab ID: 2200329-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*116 %*	*77 - 159*		B2C1128	03/15/2022	*03/14/22 15:14*	
Surrogate: Toluene-d8	*110 %*	*81 - 128*		B2C1128	03/15/2022	*03/14/22 15:14*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1132	03/14/2022	03/14/22 22:43	
Surrogate: 4-Bromofluorobenzene	*92.9 %*	*47.6 - 121.18*		B2C1132	03/14/2022	*03/14/22 22:43*	

Client Sample ID: 61W-41-2-1
Lab ID: 2200329-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Barium	**92**	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Beryllium	**2.1**	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Chromium	**12**	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Cobalt	**4.8**	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Copper	**10**	2.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Lead	**2.3**	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Nickel	**5.1**	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Selenium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Silver	**4.6**	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Vanadium	**27**	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Zinc	**36**	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-41-2-5.5

Lab ID: 2200329-04

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Surrogate: 1,2-Dichlorobenzene-d4	*47.1 %*	*12 - 125*		B2C1140	03/14/2022	*03/16/22 17:16*	
Surrogate: 2-Fluorobiphenyl	*53.0 %*	*14 - 139*		B2C1140	03/14/2022	*03/16/22 17:16*	
Surrogate: Nitrobenzene-d5	*28.5 %*	*8 - 155*		B2C1140	03/14/2022	*03/16/22 17:16*	
Surrogate: 4-Terphenyl-d14	*97.5 %*	*16 - 152*		B2C1140	03/14/2022	*03/16/22 17:16*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1117	03/12/2022	03/15/22 00:38	
C23-C32	ND	10	1	B2C1117	03/12/2022	03/15/22 00:38	
Surrogate: p-Terphenyl	*98.5 %*	*62 - 141*		B2C1117	03/12/2022	*03/15/22 00:38*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,1,1-Trichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,1,2-Trichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-41-2-5.5

Lab ID: 2200329-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,1-Dichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,1-Dichloropropene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2,3-Trichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2,3-Trichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2,4-Trichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2,4-Trimethylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2-Dibromoethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2-Dichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2-Dichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2-Dichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,3,5-Trimethylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,3-Dichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,3-Dichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,4-Dichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
2,2-Dichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
2-Chlorotoluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
4-Chlorotoluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
4-Isopropyltoluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Benzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Bromobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Bromochloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Bromodichloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Bromoform	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Bromomethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Carbon disulfide	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Carbon tetrachloride	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Chlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Chloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Chloroform	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Chloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
cis-1,2-Dichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
cis-1,3-Dichloropropene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Di-isopropyl ether	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Dibromochloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Dibromomethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Dichlorodifluoromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Ethyl Acetate	ND	51	1	B2C1128	03/15/2022	03/14/22 15:40	
Ethyl Ether	ND	51	1	B2C1128	03/15/2022	03/14/22 15:40	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-41-2-5.5

Lab ID: 2200329-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Ethylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Freon-113	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Hexachlorobutadiene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Isopropylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
m,p-Xylene	ND	10	1	B2C1128	03/15/2022	03/14/22 15:40	
Methylene chloride	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
MTBE	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
n-Butylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
n-Propylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Naphthalene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
o-Xylene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
sec-Butylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Styrene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
tert-Amyl methyl ether	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
tert-Butanol	ND	100	1	B2C1128	03/15/2022	03/14/22 15:40	
tert-Butylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Tetrachloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Toluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
trans-1,2-Dichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
trans-1,3-Dichloropropene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Trichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Trichlorofluoromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Vinyl acetate	ND	51	1	B2C1128	03/15/2022	03/14/22 15:40	
Vinyl chloride	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Surrogate: 1,2-Dichloroethane-d4	*146 %*	*66 - 200*		B2C1128	03/15/2022	*03/14/22 15:40*	
Surrogate: 4-Bromofluorobenzene	*98.9 %*	*50 - 146*		B2C1128	03/15/2022	*03/14/22 15:40*	
Surrogate: Dibromofluoromethane	*108 %*	*77 - 159*		B2C1128	03/15/2022	*03/14/22 15:40*	
Surrogate: Toluene-d8	*112 %*	*81 - 128*		B2C1128	03/15/2022	*03/14/22 15:40*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1132	03/14/2022	03/14/22 23:08	
Surrogate: 4-Bromofluorobenzene	*90.6 %*	*47.6 - 121.18*		B2C1132	03/14/2022	*03/14/22 23:08*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-41-1-1

Lab ID: 2200329-05

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Barium	**77**	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Beryllium	**2.1**	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Chromium	**11**	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Cobalt	**4.6**	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Copper	**7.8**	2.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Lead	**2.0**	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Nickel	**5.0**	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Selenium	**1.1**	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Silver	**4.4**	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Vanadium	**25**	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Zinc	**30**	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-41-1-5.5

Lab ID: 2200329-06

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Acenaphthene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Acenaphthylene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Anthracene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Benzo(a)anthracene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Benzo(a)pyrene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Benzo(b)fluoranthene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Benzo(g,h,i)perylene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Benzo(k)fluoranthene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Chrysene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Dibenz(a,h)anthracene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Fluoranthene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Fluorene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Indeno(1,2,3-cd)pyrene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Naphthalene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Phenanthrene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Pyrene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Surrogate: 1,2-Dichlorobenzene-d4	*41.5 %*	*12 - 125*		B2C1140	03/14/2022	*03/16/22 17:42*	
Surrogate: 2-Fluorobiphenyl	*43.7 %*	*14 - 139*		B2C1140	03/14/2022	*03/16/22 17:42*	
Surrogate: Nitrobenzene-d5	*5.36 %*	*8 - 155*		B2C1140	03/14/2022	*03/16/22 17:42*	S4
Surrogate: 4-Terphenyl-d14	*164 %*	*16 - 152*		B2C1140	03/14/2022	*03/16/22 17:42*	S4

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	20	2	B2C1117	03/12/2022	03/15/22 01:01	D10
C23-C32	ND	20	2	B2C1117	03/12/2022	03/15/22 01:01	D10
Surrogate: p-Terphenyl	*95.3 %*	*62 - 141*		B2C1117	03/12/2022	*03/15/22 01:01*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,1,1-Trichloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,1,2-Trichloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-41-1-5.5

Lab ID: 2200329-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,1-Dichloroethene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,1-Dichloropropene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2,3-Trichloropropane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2-Dibromo-3-chloropropane	ND	7.8	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2-Dibromoethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2-Dichlorobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2-Dichloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2-Dichloropropane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,3-Dichlorobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,3-Dichloropropane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,4-Dichlorobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
2,2-Dichloropropane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
2-Chlorotoluene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
4-Chlorotoluene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
4-Isopropyltoluene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Benzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Bromobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Bromochloromethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Bromodichloromethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Bromoform	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Bromomethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Carbon disulfide	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Carbon tetrachloride	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Chlorobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Chloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Chloroform	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Chloromethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Di-isopropyl ether	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Dibromochloromethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Dibromomethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Dichlorodifluoromethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Ethyl Acetate	ND	39	1	B2C1128	03/15/2022	03/14/22 16:06	
Ethyl Ether	ND	39	1	B2C1128	03/15/2022	03/14/22 16:06	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-41-1-5.5

Lab ID: 2200329-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Ethylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Freon-113	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Hexachlorobutadiene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Isopropylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
m,p-Xylene	ND	7.8	1	B2C1128	03/15/2022	03/14/22 16:06	
Methylene chloride	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
MTBE	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
n-Butylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
n-Propylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Naphthalene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
o-Xylene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
sec-Butylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Styrene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
tert-Amyl methyl ether	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
tert-Butanol	ND	78	1	B2C1128	03/15/2022	03/14/22 16:06	
tert-Butylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Tetrachloroethene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Toluene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Trichloroethene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Trichlorofluoromethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Vinyl acetate	ND	39	1	B2C1128	03/15/2022	03/14/22 16:06	
Vinyl chloride	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Surrogate: 1,2-Dichloroethane-d4	*156 %*	*66 - 200*		B2C1128	03/15/2022	*03/14/22 16:06*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*50 - 146*		B2C1128	03/15/2022	*03/14/22 16:06*	
Surrogate: Dibromofluoromethane	*111 %*	*77 - 159*		B2C1128	03/15/2022	*03/14/22 16:06*	
Surrogate: Toluene-d8	*111 %*	*81 - 128*		B2C1128	03/15/2022	*03/14/22 16:06*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.78	1	B2C1132	03/14/2022	03/14/22 23:32	
Surrogate: 4-Bromofluorobenzene	*94.3 %*	*47.6 - 121.18*		B2C1132	03/14/2022	*03/14/22 23:32*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-40-1-1

Lab ID: 2200329-07

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Barium	**76**	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Beryllium	**1.9**	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Chromium	**10**	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Cobalt	**4.2**	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Copper	**7.5**	2.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Lead	**1.7**	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Nickel	**4.4**	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Selenium	**1.4**	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Silver	**4.1**	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Vanadium	**22**	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Zinc	**29**	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-40-1-5.5

Lab ID: 2200329-08

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Benzo(g,h,i)perylene	**6.4**	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Chrysene	**7.6**	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Surrogate: 1,2-Dichlorobenzene-d4	*47.4 %*	*12 - 125*		B2C1140	03/14/2022	*03/16/22 18:08*	
Surrogate: 2-Fluorobiphenyl	*57.0 %*	*14 - 139*		B2C1140	03/14/2022	*03/16/22 18:08*	
Surrogate: Nitrobenzene-d5	*32.0 %*	*8 - 155*		B2C1140	03/14/2022	*03/16/22 18:08*	
Surrogate: 4-Terphenyl-d14	*117 %*	*16 - 152*		B2C1140	03/14/2022	*03/16/22 18:08*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1117	03/12/2022	03/15/22 01:23	
C23-C32	ND	10	1	B2C1117	03/12/2022	03/15/22 01:23	
Surrogate: p-Terphenyl	*98.8 %*	*62 - 141*		B2C1117	03/12/2022	*03/15/22 01:23*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,1,1-Trichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,1,2-Trichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-40-1-5.5

Lab ID: 2200329-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,1-Dichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,1-Dichloropropene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2,3-Trichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2,3-Trichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2,4-Trichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2,4-Trimethylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2-Dibromoethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2-Dichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2-Dichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2-Dichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,3,5-Trimethylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,3-Dichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,3-Dichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,4-Dichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
2,2-Dichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
2-Chlorotoluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
4-Chlorotoluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
4-Isopropyltoluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Benzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Bromobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Bromochloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Bromodichloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Bromoform	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Bromomethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Carbon disulfide	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Carbon tetrachloride	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Chlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Chloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Chloroform	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Chloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
cis-1,2-Dichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
cis-1,3-Dichloropropene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Di-isopropyl ether	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Dibromochloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Dibromomethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Dichlorodifluoromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Ethyl Acetate	ND	51	1	B2C1128	03/15/2022	03/14/22 16:31	
Ethyl Ether	ND	51	1	B2C1128	03/15/2022	03/14/22 16:31	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-40-1-5.5

Lab ID: 2200329-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Ethylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Freon-113	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Hexachlorobutadiene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Isopropylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
m,p-Xylene	ND	10	1	B2C1128	03/15/2022	03/14/22 16:31	
Methylene chloride	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
MTBE	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
n-Butylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
n-Propylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Naphthalene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
o-Xylene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
sec-Butylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Styrene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
tert-Amyl methyl ether	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
tert-Butanol	ND	100	1	B2C1128	03/15/2022	03/14/22 16:31	
tert-Butylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Tetrachloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Toluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
trans-1,2-Dichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
trans-1,3-Dichloropropene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Trichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Trichlorofluoromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Vinyl acetate	ND	51	1	B2C1128	03/15/2022	03/14/22 16:31	
Vinyl chloride	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Surrogate: 1,2-Dichloroethane-d4	*154 %*	*66 - 200*		B2C1128	03/15/2022	*03/14/22 16:31*	
Surrogate: 4-Bromofluorobenzene	*108 %*	*50 - 146*		B2C1128	03/15/2022	*03/14/22 16:31*	
Surrogate: Dibromofluoromethane	*109 %*	*77 - 159*		B2C1128	03/15/2022	*03/14/22 16:31*	
Surrogate: Toluene-d8	*113 %*	*81 - 128*		B2C1128	03/15/2022	*03/14/22 16:31*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1132	03/14/2022	03/14/22 23:57	
Surrogate: 4-Bromofluorobenzene	*92.7 %*	*47.6 - 121.18*		B2C1132	03/14/2022	*03/14/22 23:57*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-29-3-1

Lab ID: 2200329-09

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Barium	**86**	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Beryllium	**1.9**	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Chromium	**11**	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Cobalt	**4.4**	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Copper	**7.3**	2.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Lead	**2.7**	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Nickel	**4.8**	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Selenium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Silver	**4.1**	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Vanadium	**25**	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Zinc	**33**	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-29-2-1

Lab ID: 2200329-11

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Barium	**75**	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Beryllium	**1.7**	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Chromium	**10**	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Cobalt	**4.0**	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Copper	**7.0**	2.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Lead	**2.6**	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Nickel	**4.3**	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Selenium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Silver	**3.7**	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Vanadium	**23**	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Zinc	**31**	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-29-1-1

Lab ID: 2200329-14

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Barium	**64**	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Beryllium	**1.7**	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Chromium	**10**	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Cobalt	**3.7**	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Copper	**8.3**	2.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Lead	**5.9**	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Nickel	**5.5**	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Selenium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Silver	**3.6**	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Vanadium	**20**	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Zinc	**33**	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 61W-24-1-1
Lab ID: 2200329-16

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1117	03/12/2022	03/15/22 01:44	
C23-C32	ND	10	1	B2C1117	03/12/2022	03/15/22 01:44	
Surrogate: p-Terphenyl	*102 %*	*62 - 141*		B2C1117	03/12/2022	*03/15/22 01:44*	

Polychlorinated Biphenyls by EPA 8082

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Aroclor 1221	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Aroclor 1232	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Aroclor 1242	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Aroclor 1248	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Aroclor 1254	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Aroclor 1260	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Surrogate: Decachlorobiphenyl	*56.0 %*	*0 - 87*		B2C1110	03/12/2022	*03/14/22 19:37*	
Surrogate: Tetrachloro-m-xylene	*57.4 %*	*0 - 103*		B2C1110	03/12/2022	*03/14/22 19:37*	

Gasoline Range Hydrocarbons by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C6-C12	ND	1.0	1	B2C1132	03/14/2022	03/14/22 15:02	
Surrogate: 4-Bromofluorobenzene	*94.5 %*	*47.6 - 121.18*		B2C1132	03/14/2022	*03/14/22 15:02*	

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

QUALITY CONTROL SECTION

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1140 - MSSEMI_S										
Blank (B2C1140-BLK1)						Prepared: 3/14/2022 Analyzed: 3/16/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	ND	5.0	0.45							
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	ND	5.0	0.34							
Pyrene	ND	5.0	0.51							
Surrogate: 1,2-Dichlorobenzene-d4	*43.89*			*66.6667*		*65.8*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*48.87*			*66.6667*		*73.3*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*34.24*			*66.6667*		*51.4*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*93.01*			*66.6667*		*140*	*16 - 152*			
Blank (B2C1140-BLK2)						Prepared: 3/14/2022 Analyzed: 3/16/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	ND	5.0	0.45							
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	ND	5.0	0.34							
Pyrene	ND	5.0	0.51							
Surrogate: 1,2-Dichlorobenzene-d4	*41.70*			*66.6667*		*62.6*	*12 - 125*			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/16/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1140 - MSSEMI_S (continued)										
Blank (B2C1140-BLK2) - Continued						Prepared: 3/14/2022 Analyzed: 3/16/2022				
Surrogate: 2-Fluorobiphenyl	*48.49*			*66.6667*		*72.7*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*36.09*			*66.6667*		*54.1*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*92.75*			*66.6667*		*139*	*16 - 152*			
Blank (B2C1140-BLK3)						Prepared: 3/14/2022 Analyzed: 3/18/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	ND	5.0	0.45							
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	ND	5.0	0.34							
Pyrene	ND	5.0	0.51							
Surrogate: 1,2-Dichlorobenzene-d4	*33.66*			*66.6667*		*50.5*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*38.18*			*66.6667*		*57.3*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*29.20*			*66.6667*		*43.8*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*64.91*			*66.6667*		*97.4*	*16 - 152*			
LCS (B2C1140-BS1)						Prepared: 3/14/2022 Analyzed: 3/16/2022				
2-Methylnaphthalene	44.8920	5.0	0.60	66.6667		67.3	39 - 92			
Acenaphthene	55.1947	5.0	0.41	66.6667		82.8	35 - 94			
Acenaphthylene	59.6920	5.0	0.41	66.6667		89.5	31 - 101			
Anthracene	57.8433	5.0	0.56	66.6667		86.8	37 - 95			
Benzo(a)anthracene	57.2773	5.0	0.56	66.6667		85.9	43 - 102			
Benzo(a)pyrene	54.9067	5.0	0.69	66.6667		82.4	38 - 95			
Benzo(b)fluoranthene	47.0427	5.0	2.2	66.6667		70.6	44 - 102			
Benzo(g,h,i)perylene	42.6453	5.0	0.80	66.6667		64.0	34 - 114			
Benzo(k)fluoranthene	52.5053	5.0	0.70	66.6667		78.8	34 - 110			
Chrysene	65.5453	5.0	0.61	66.6667		98.3	46 - 101			
Dibenz(a,h)anthracene	35.8667	5.0	0.88	66.6667		53.8	35 - 117			
Fluoranthene	61.9153	5.0	0.45	66.6667		92.9	46 - 107			
Fluorene	53.5373	5.0	0.35	66.6667		80.3	35 - 98			
Indeno(1,2,3-cd)pyrene	39.8080	5.0	0.82	66.6667		59.7	35 - 114			
Naphthalene	47.8367	5.0	0.56	66.6667		71.8	39 - 86			
Phenanthrene	57.3740	5.0	0.34	66.6667		86.1	43 - 98			
Pyrene	63.4473	5.0	0.51	66.6667		95.2	44 - 108			

GSI Environmental, Inc.
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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/16/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1140 - MSSEMI_S (continued)										
LCS (B2C1140-BS1) - Continued						Prepared: 3/14/2022 Analyzed: 3/16/2022				
Surrogate: 1,2-Dichlorobenzene-d4	*45.38*			*66.6667*		*68.1*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*55.94*			*66.6667*		*83.9*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*46.47*			*66.6667*		*69.7*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*73.90*			*66.6667*		*111*	*16 - 152*			
LCS (B2C1140-BS2)						Prepared: 3/14/2022 Analyzed: 3/16/2022				
2-Methylnaphthalene	43.2287	5.0	0.60	66.6667		64.8	39 - 92			
Acenaphthene	51.2607	5.0	0.41	66.6667		76.9	35 - 94			
Acenaphthylene	56.1880	5.0	0.41	66.6667		84.3	31 - 101			
Anthracene	56.8653	5.0	0.56	66.6667		85.3	37 - 95			
Benzo(a)anthracene	54.0513	5.0	0.56	66.6667		81.1	43 - 102			
Benzo(a)pyrene	55.8160	5.0	0.69	66.6667		83.7	38 - 95			
Benzo(b)fluoranthene	50.9693	5.0	2.2	66.6667		76.5	44 - 102			
Benzo(g,h,i)perylene	41.7287	5.0	0.80	66.6667		62.6	34 - 114			
Benzo(k)fluoranthene	54.7280	5.0	0.70	66.6667		82.1	34 - 110			
Chrysene	69.4513	5.0	0.61	66.6667		104	46 - 101			L3
Dibenz(a,h)anthracene	33.3560	5.0	0.88	66.6667		50.0	35 - 117			
Fluoranthene	63.2580	5.0	0.45	66.6667		94.9	46 - 107			
Fluorene	50.7267	5.0	0.35	66.6667		76.1	35 - 98			
Indeno(1,2,3-cd)pyrene	43.4720	5.0	0.82	66.6667		65.2	35 - 114			
Naphthalene	45.0880	5.0	0.56	66.6667		67.6	39 - 86			
Phenanthrene	56.1073	5.0	0.34	66.6667		84.2	43 - 98			
Pyrene	65.0320	5.0	0.51	66.6667		97.5	44 - 108			
Surrogate: 1,2-Dichlorobenzene-d4	*43.30*			*66.6667*		*64.9*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*50.57*			*66.6667*		*75.9*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*46.58*			*66.6667*		*69.9*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*74.38*			*66.6667*		*112*	*16 - 152*			
LCS (B2C1140-BS3)						Prepared: 3/14/2022 Analyzed: 3/18/2022				
2-Methylnaphthalene	41.4840	5.0	0.60	66.6667		62.2	39 - 92			
Acenaphthene	45.4480	5.0	0.41	66.6667		68.2	35 - 94			
Acenaphthylene	49.2387	5.0	0.41	66.6667		73.9	31 - 101			
Anthracene	51.6487	5.0	0.56	66.6667		77.5	37 - 95			
Benzo(a)anthracene	58.2773	5.0	0.56	66.6667		87.4	43 - 102			
Benzo(a)pyrene	59.7000	5.0	0.69	66.6667		89.5	38 - 95			
Benzo(b)fluoranthene	57.5407	5.0	2.2	66.6667		86.3	44 - 102			
Benzo(g,h,i)perylene	55.7633	5.0	0.80	66.6667		83.6	34 - 114			
Benzo(k)fluoranthene	57.3053	5.0	0.70	66.6667		86.0	34 - 110			
Chrysene	57.4133	5.0	0.61	66.6667		86.1	46 - 101			
Dibenz(a,h)anthracene	56.3733	5.0	0.88	66.6667		84.6	35 - 117			
Fluoranthene	58.9027	5.0	0.45	66.6667		88.4	46 - 107			
Fluorene	48.2060	5.0	0.35	66.6667		72.3	35 - 98			
Indeno(1,2,3-cd)pyrene	55.4280	5.0	0.82	66.6667		83.1	35 - 114			
Naphthalene	41.1920	5.0	0.56	66.6667		61.8	39 - 86			
Phenanthrene	52.9633	5.0	0.34	66.6667		79.4	43 - 98			
Pyrene	58.2413	5.0	0.51	66.6667		87.4	44 - 108			

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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/16/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1140 - MSSEMI_S (continued)										
LCS (B2C1140-BS3) - Continued						Prepared: 3/14/2022 Analyzed: 3/18/2022				
Surrogate: 1,2-Dichlorobenzene-d4	*42.14*			*66.6667*		*63.2*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*47.39*			*66.6667*		*71.1*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*38.46*			*66.6667*		*57.7*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*59.77*			*66.6667*		*89.7*	*16 - 152*			
Matrix Spike (B2C1140-MS1)			**Source: 2200346-04**			Prepared: 3/14/2022 Analyzed: 3/16/2022				
2-Methylnaphthalene	41.4147	5.0	0.60	66.6667	ND	62.1	43 - 120			
Acenaphthene	47.1873	5.0	0.41	66.6667	ND	70.8	52 - 113			
Acenaphthylene	52.6467	5.0	0.41	66.6667	ND	79.0	44 - 126			
Anthracene	52.4327	5.0	0.56	66.6667	ND	78.6	49 - 128			
Benzo(a)anthracene	52.6620	5.0	0.56	66.6667	ND	79.0	32 - 158			
Benzo(a)pyrene	46.5220	5.0	0.69	66.6667	ND	69.8	39 - 137			
Benzo(b)fluoranthene	51.2607	5.0	2.2	66.6667	ND	76.9	52 - 132			
Benzo(g,h,i)perylene	42.0087	5.0	0.80	66.6667	2.10133	59.9	35 - 162			
Benzo(k)fluoranthene	50.8773	5.0	0.70	66.6667	ND	76.3	18 - 153			
Chrysene	62.4660	5.0	0.61	66.6667	0.670000	92.7	25 - 160			
Dibenz(a,h)anthracene	36.9000	5.0	0.88	66.6667	ND	55.4	41 - 155			
Fluoranthene	58.5073	5.0	0.45	66.6667	0.871333	86.5	5 - 185			
Fluorene	48.2780	5.0	0.35	66.6667	ND	72.4	28 - 135			
Indeno(1,2,3-cd)pyrene	39.7433	5.0	0.82	66.6667	ND	59.6	36 - 162			
Naphthalene	43.1800	5.0	0.56	66.6667	ND	64.8	41 - 113			
Phenanthrene	54.4067	5.0	0.34	66.6667	0.726667	80.5	35 - 143			
Pyrene	58.6773	5.0	0.51	66.6667	1.04067	86.5	10 - 184			
Surrogate: 1,2-Dichlorobenzene-d4	*41.13*			*66.6667*		*61.7*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*47.83*			*66.6667*		*71.7*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*42.93*			*66.6667*		*64.4*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*65.92*			*66.6667*		*98.9*	*16 - 152*			
Matrix Spike Dup (B2C1140-MSD1)			**Source: 2200346-04**			Prepared: 3/14/2022 Analyzed: 3/16/2022				
2-Methylnaphthalene	38.2773	5.0	0.60	66.6667	ND	57.4	43 - 120	7.87	20	
Acenaphthene	47.2427	5.0	0.41	66.6667	ND	70.9	52 - 113	0.117	20	
Acenaphthylene	51.5467	5.0	0.41	66.6667	ND	77.3	44 - 126	2.11	20	
Anthracene	47.4000	5.0	0.56	66.6667	ND	71.1	49 - 128	10.1	20	
Benzo(a)anthracene	45.1640	5.0	0.56	66.6667	ND	67.7	32 - 158	15.3	20	
Benzo(a)pyrene	39.9353	5.0	0.69	66.6667	ND	59.9	39 - 137	15.2	20	
Benzo(b)fluoranthene	48.1033	5.0	2.2	66.6667	ND	72.2	52 - 132	6.36	20	
Benzo(g,h,i)perylene	38.7213	5.0	0.80	66.6667	2.10133	54.9	35 - 162	8.14	20	
Benzo(k)fluoranthene	46.1927	5.0	0.70	66.6667	ND	69.3	18 - 153	9.65	20	
Chrysene	58.4120	5.0	0.61	66.6667	0.670000	86.6	25 - 160	6.71	20	
Dibenz(a,h)anthracene	32.9820	5.0	0.88	66.6667	ND	49.5	41 - 155	11.2	20	
Fluoranthene	51.7707	5.0	0.45	66.6667	0.871333	76.3	5 - 185	12.2	20	
Fluorene	44.9187	5.0	0.35	66.6667	ND	67.4	28 - 135	7.21	20	
Indeno(1,2,3-cd)pyrene	35.3380	5.0	0.82	66.6667	ND	53.0	36 - 162	11.7	20	
Naphthalene	40.5100	5.0	0.56	66.6667	ND	60.8	41 - 113	6.38	20	
Phenanthrene	50.2167	5.0	0.34	66.6667	0.726667	74.2	35 - 143	8.01	20	

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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/16/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1140 - MSSEMI_S (continued)										
Matrix Spike Dup (B2C1140-MSD1) - Continued			**Source: 2200346-04**			Prepared: 3/14/2022 Analyzed: 3/16/2022				
Pyrene	52.5253	5.0	0.51	66.6667	1.04067	77.2	10 - 184	11.1	20	
Surrogate: 1,2-Dichlorobenzene-d4	*39.87*			*66.6667*		*59.8*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*47.13*			*66.6667*		*70.7*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*40.11*			*66.6667*		*60.2*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*59.72*			*66.6667*		*89.6*	*16 - 152*			

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GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1132 - GCVOA_S										
Blank (B2C1132-BLK1)						Prepared: 3/14/2022 Analyzed: 3/14/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6607*			*0.800000*		*82.6*	*47.6 - 121.18*			
LCS (B2C1132-BS1)						Prepared: 3/14/2022 Analyzed: 3/14/2022				
Gasoline Range Organics	5.91400	1.0	0.13	5.00000		118	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7469*			*0.800000*		*93.4*	*47.6 - 121.18*			
LCS Dup (B2C1132-BSD1)						Prepared: 3/14/2022 Analyzed: 3/14/2022				
Gasoline Range Organics	5.74000	1.0	0.13	5.00000		115	68.69 - 124.04	2.99	20	
Surrogate: 4-Bromofluorobenzene	*0.7464*			*0.800000*		*93.3*	*47.6 - 121.18*			
Duplicate (B2C1132-DUP1)			**Source: 2200339-01**			Prepared: 3/14/2022 Analyzed: 3/14/2022				
Gasoline Range Organics	ND	1.0	0.13		ND			NR	20	
Surrogate: 4-Bromofluorobenzene	*0.7366*			*0.800000*		*92.1*	*47.6 - 121.18*			
Matrix Spike (B2C1132-MS1)			**Source: 2200339-01**			Prepared: 3/14/2022 Analyzed: 3/14/2022				
Gasoline Range Organics	6.62425	1.0	0.13	5.01002	ND	132	37.92 - 128.32			M2
Surrogate: 4-Bromofluorobenzene	*0.8160*			*0.800000*		*102*	*47.6 - 121.18*			
Matrix Spike Dup (B2C1132-MSD1)			**Source: 2200339-01**			Prepared: 3/14/2022 Analyzed: 3/14/2022				
Gasoline Range Organics	5.18813	1.0	0.13	5.03018	ND	103	37.92 - 128.32	24.3	20	R
Surrogate: 4-Bromofluorobenzene	*0.7878*			*0.800000*		*98.5*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Gasoline Range Hydrocarbons by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1132 - GCVOA_S										
Blank (B2C1132-BLK1)						Prepared: 3/14/2022 Analyzed: 3/14/2022				
C6-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6607*			*0.800000*		*82.6*	*47.6 - 121.18*			
LCS (B2C1132-BS1)						Prepared: 3/14/2022 Analyzed: 3/14/2022				
Gasoline Range Organics	5.91400	1.0	0.13	5.00000		118	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7469*			*0.800000*		*93.4*	*47.6 - 121.18*			
LCS Dup (B2C1132-BSD1)						Prepared: 3/14/2022 Analyzed: 3/14/2022				
Gasoline Range Organics	5.74000	1.0	0.13	5.00000		115	68.69 - 124.04	2.99	20	
Surrogate: 4-Bromofluorobenzene	*0.7464*			*0.800000*		*93.3*	*47.6 - 121.18*			
Duplicate (B2C1132-DUP1)			**Source: 2200339-01**			Prepared: 3/14/2022 Analyzed: 3/14/2022				
Gasoline Range Organics	ND	1.0	0.13		ND			NR	20	
Surrogate: 4-Bromofluorobenzene	*0.7366*			*0.800000*		*92.1*	*47.6 - 121.18*			
Matrix Spike (B2C1132-MS1)			**Source: 2200339-01**			Prepared: 3/14/2022 Analyzed: 3/14/2022				
Gasoline Range Organics	6.62425	1.0	0.13	5.01002	ND	132	37.92 - 128.32			M2
Surrogate: 4-Bromofluorobenzene	*0.8160*			*0.800000*		*102*	*47.6 - 121.18*			
Matrix Spike Dup (B2C1132-MSD1)			**Source: 2200339-01**			Prepared: 3/14/2022 Analyzed: 3/14/2022				
Gasoline Range Organics	5.18813	1.0	0.13	5.03018	ND	103	37.92 - 128.32	24.3	20	R
Surrogate: 4-Bromofluorobenzene	*0.7878*			*0.800000*		*98.5*	*47.6 - 121.18*			

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GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1100 - EPA 3050B_S										
Blank (B2C1100-BLK1)						Prepared: 3/11/2022 Analyzed: 3/15/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1100-BS1)						Prepared: 3/11/2022 Analyzed: 3/15/2022				
Antimony	20.4625	2.0	0.51	25.0000		81.8	80 - 120			
Arsenic	20.5624	1.0	0.12	25.0000		82.2	80 - 120			
Barium	20.0775	1.0	0.12	25.0000		80.3	80 - 120			
Beryllium	21.1222	1.0	0.03	25.0100		84.5	80 - 120			
Cadmium	21.2334	1.0	0.14	25.0000		84.9	80 - 120			
Chromium	20.6337	1.0	0.26	25.0000		82.5	80 - 120			
Cobalt	21.1851	1.0	0.07	25.0000		84.7	80 - 120			
Copper	21.3843	2.0	0.19	25.0000		85.5	80 - 120			
Lead	21.5320	1.0	0.18	25.0000		86.1	80 - 120			
Molybdenum	21.6946	1.0	0.12	25.0000		86.8	80 - 120			
Nickel	22.5332	1.0	0.18	25.0000		90.1	80 - 120			
Selenium	21.1862	1.0	0.40	25.0000		84.7	80 - 120			
Silver	10.6512	1.0	0.12	12.5000		85.2	80 - 120			
Thallium	20.4427	1.0	0.38	25.0000		81.8	80 - 120			
Vanadium	20.0329	1.0	0.06	25.0000		80.1	80 - 120			
Zinc	22.6352	1.0	0.15	25.0000		90.5	80 - 120			
Matrix Spike (B2C1100-MS1)			**Source: 2200322-04**			Prepared: 3/11/2022 Analyzed: 3/15/2022				
Antimony	8.79078	2.0	0.51	25.0000	ND	35.2	0 - 102			
Arsenic	16.8502	1.0	0.12	25.0000	2.37214	57.9	55 - 117			
Barium	57.8280	1.0	0.12	25.0000	54.0302	15.2	11 - 177			
Beryllium	14.9244	1.0	0.03	25.0100	0.813648	56.4	64 - 115			M2
Cadmium	16.8756	1.0	0.14	25.0000	0.191288	66.7	62 - 116			
Chromium	22.1094	1.0	0.26	25.0000	7.49699	58.4	42 - 145			
Cobalt	17.7685	1.0	0.07	25.0000	2.99648	59.1	60 - 126			M2
Copper	23.2764	2.0	0.19	25.0000	6.91826	65.4	37 - 163			
Lead	18.1189	1.0	0.18	25.0000	2.56672	62.2	26 - 161			

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19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/16/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1100 - EPA 3050B_S (continued)										
Matrix Spike (B2C1100-MS1) - Continued			**Source: 2200322-04**			Prepared: 3/11/2022 Analyzed: 3/15/2022				
Molybdenum	14.8154	1.0	0.12	25.0000	0.144314	58.7	31 - 122			
Nickel	18.7633	1.0	0.18	25.0000	4.40961	57.4	52 - 130			
Selenium	15.8247	1.0	0.40	25.0000	ND	63.3	25 - 129			
Silver	8.85761	1.0	0.12	12.5000	1.19312	61.3	48 - 133			
Thallium	14.1448	1.0	0.38	25.0000	ND	56.6	25 - 119			
Vanadium	27.6038	1.0	0.06	25.0000	11.2511	65.4	51 - 141			
Zinc	37.3704	1.0	0.15	25.0000	24.7746	50.4	8 - 170			
Matrix Spike Dup (B2C1100-MSD1)			**Source: 2200322-04**			Prepared: 3/11/2022 Analyzed: 3/15/2022				
Antimony	8.64612	2.0	0.51	25.0000	ND	34.6	0 - 102	1.66	20	
Arsenic	16.5945	1.0	0.12	25.0000	2.37214	56.9	55 - 117	1.53	20	
Barium	57.0066	1.0	0.12	25.0000	54.0302	11.9	11 - 177	1.43	20	
Beryllium	14.8211	1.0	0.03	25.0100	0.813648	56.0	64 - 115	0.694	20	M2
Cadmium	16.7689	1.0	0.14	25.0000	0.191288	66.3	62 - 116	0.635	20	
Chromium	21.7150	1.0	0.26	25.0000	7.49699	56.9	42 - 145	1.80	20	
Cobalt	17.6860	1.0	0.07	25.0000	2.99648	58.8	60 - 126	0.466	20	M2
Copper	22.3663	2.0	0.19	25.0000	6.91826	61.8	37 - 163	3.99	20	
Lead	17.7213	1.0	0.18	25.0000	2.56672	60.6	26 - 161	2.22	20	
Molybdenum	14.8492	1.0	0.12	25.0000	0.144314	58.8	31 - 122	0.228	20	
Nickel	19.0605	1.0	0.18	25.0000	4.40961	58.6	52 - 130	1.57	20	
Selenium	15.2321	1.0	0.40	25.0000	ND	60.9	25 - 129	3.82	20	
Silver	8.74696	1.0	0.12	12.5000	1.19312	60.4	48 - 133	1.26	20	
Thallium	14.0381	1.0	0.38	25.0000	ND	56.2	25 - 119	0.757	20	
Vanadium	27.1307	1.0	0.06	25.0000	11.2511	63.5	51 - 141	1.73	20	
Zinc	36.6038	1.0	0.15	25.0000	24.7746	47.3	8 - 170	2.07	20	

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GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1085 - EPA 7471_S										
Blank (B2C1085-BLK1)						Prepared: 3/11/2022 Analyzed: 3/14/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1085-BS1)						Prepared: 3/11/2022 Analyzed: 3/14/2022				
Mercury	0.424890	0.10	0.01	0.416667		102	80 - 120			
Matrix Spike (B2C1085-MS1)			**Source: 2200316-01**			Prepared: 3/11/2022 Analyzed: 3/14/2022				
Mercury	0.418068	0.10	0.01	0.416667	0.021839	95.1	70 - 130			
Matrix Spike Dup (B2C1085-MSD1)			**Source: 2200316-01**			Prepared: 3/11/2022 Analyzed: 3/14/2022				
Mercury	0.421348	0.10	0.01	0.416667	0.021839	95.9	70 - 130	0.782	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1085 - EPA 7471_S									
Post Spike (B2C1085-PS1)			**Source: 2200316-01**		Prepared: 3/11/2022 Analyzed: 3/14/2022				
Mercury	0.005031		5.00000E-3	0.000262	95.4	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1117 - GCSEMI_DRO_S										
Blank (B2C1117-BLK1)						Prepared: 3/12/2022 Analyzed: 3/14/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*77.28*			*80.0000*		*96.6*	*62 - 141*			
LCS (B2C1117-BS1)						Prepared: 3/12/2022 Analyzed: 3/14/2022				
DRO	995.114	10	3.6	1000.00		99.5	56 - 139			
Surrogate: p-Terphenyl	*82.63*			*80.0000*		*103*	*62 - 141*			
Duplicate (B2C1117-DUP1)			**Source: 2200343-17**			Prepared: 3/12/2022 Analyzed: 3/14/2022				
DRO	6.93800	10	3.6		7.21500			3.91	20	
Surrogate: p-Terphenyl	*84.38*			*80.0000*		*105*	*62 - 141*			
Matrix Spike (B2C1117-MS1)			**Source: 2200329-02**			Prepared: 3/12/2022 Analyzed: 3/14/2022				
DRO	1329.73	10	3.6	1000.00	7.39400	132	38 - 161			
Surrogate: p-Terphenyl	*109.9*			*80.0000*		*137*	*62 - 141*			
Matrix Spike Dup (B2C1117-MSD1)			**Source: 2200329-02**			Prepared: 3/12/2022 Analyzed: 3/14/2022				
DRO	1055.62	10	3.6	1000.00	7.39400	105	38 - 161	23.0	20	R
Surrogate: p-Terphenyl	*90.07*			*80.0000*		*113*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1110 - GCSEMI_PCB/PEST_S										
Blank (B2C1110-BLK1)						Prepared: 3/12/2022 Analyzed: 3/14/2022				
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
Surrogate: Decachlorobiphenyl	*10.44*			*16.6667*		*62.6*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*10.80*			*16.6667*		*64.8*	*0 - 103*			
Blank (B2C1110-BLK2)						Prepared: 3/12/2022 Analyzed: 3/15/2022				
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
Surrogate: Decachlorobiphenyl	*10.54*			*16.6667*		*63.2*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*11.05*			*16.6667*		*66.3*	*0 - 103*			
LCS (B2C1110-BS1)						Prepared: 3/12/2022 Analyzed: 3/14/2022				
Aroclor 1016	110.754	16	1.9	166.667		66.5	11 - 108			
Aroclor 1260	129.207	16	1.9	166.667		77.5	19 - 112			
Surrogate: Decachlorobiphenyl	*10.92*			*16.6667*		*65.5*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*11.13*			*16.6667*		*66.8*	*0 - 103*			
LCS (B2C1110-BS2)						Prepared: 3/12/2022 Analyzed: 3/15/2022				
Aroclor 1016	118.137	16	1.9	166.667		70.9	11 - 108			
Aroclor 1260	129.557	16	1.9	166.667		77.7	19 - 112			
Surrogate: Decachlorobiphenyl	*11.10*			*16.6667*		*66.6*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*11.30*			*16.6667*		*67.8*	*0 - 103*			
Matrix Spike (B2C1110-MS1)			**Source: 2200340-02**			Prepared: 3/12/2022 Analyzed: 3/14/2022				
Aroclor 1016	106.213	16	1.9	166.667	ND	63.7	0 - 135			
Aroclor 1260	113.755	16	1.9	166.667	ND	68.3	0 - 127			
Surrogate: Decachlorobiphenyl	*9.860*			*16.6667*		*59.2*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*10.51*			*16.6667*		*63.1*	*0 - 103*			
Matrix Spike Dup (B2C1110-MSD1)			**Source: 2200340-02**			Prepared: 3/12/2022 Analyzed: 3/14/2022				
Aroclor 1016	111.936	16	1.9	166.667	ND	67.2	0 - 135	5.25	20	
Aroclor 1260	120.069	16	1.9	166.667	ND	72.0	0 - 127	5.40	20	
Surrogate: Decachlorobiphenyl	*9.847*			*16.6667*		*59.1*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*10.45*			*16.6667*		*62.7*	*0 - 103*			

Certificate of Analysis

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Irvine , CA 92612	Reported : 05/16/2022

Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes

Batch B2C1110 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B2C1110-MSD1) - Continued **Source: 2200340-02** Prepared: 3/12/2022 Analyzed: 3/14/2022

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1128 - MSVOA_S										
Blank (B2C1128-BLK1)							Prepared: 3/14/2022 Analyzed: 3/14/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1128 - MSVOA_S (continued)										
Blank (B2C1128-BLK1) - Continued						Prepared: 3/14/2022 Analyzed: 3/14/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*76.47*			*50.0000*		*153*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*53.66*			*50.0000*		*107*	*50 - 146*			
Surrogate: Dibromofluoromethane	*55.38*			*50.0000*		*111*	*77 - 159*			
Surrogate: Toluene-d8	*55.01*			*50.0000*		*110*	*81 - 128*			
LCS (B2C1128-BS1)						Prepared: 3/14/2022 Analyzed: 3/14/2022				
1,1,1,2-Tetrachloroethane	46.5800	5.0	0.52	50.0000		93.2	84 - 123			
1,1,1-Trichloroethane	64.4100	5.0	0.26	50.0000		129	78 - 133			
1,1,2,2-Tetrachloroethane	43.7800	5.0	0.21	50.0000		87.6	63 - 127			
1,1,2-Trichloroethane	46.0400	5.0	0.40	50.0000		92.1	80 - 125			
1,1-Dichloroethane	53.0100	5.0	1.4	50.0000		106	77 - 128			
1,1-Dichloroethene	48.8900	5.0	1.9	50.0000		97.8	69 - 138			
1,1-Dichloropropene	44.9300	5.0	0.54	50.0000		89.9	80 - 133			
1,2,3-Trichloropropane	45.4300	5.0	0.40	50.0000		90.9	74 - 123			
1,2,3-Trichlorobenzene	43.4300	5.0	0.83	50.0000		86.9	79 - 133			
1,2,4-Trichlorobenzene	45.4600	5.0	0.80	50.0000		90.9	73 - 131			
1,2,4-Trimethylbenzene	46.0400	5.0	0.91	50.0000		92.1	86 - 137			
1,2-Dibromo-3-chloropropane	55.5200	10	1.1	50.0000		111	62 - 127			
1,2-Dibromoethane	44.6300	5.0	0.40	50.0000		89.3	83 - 126			
1,2-Dichlorobenzene	44.7000	5.0	0.21	50.0000		89.4	83 - 123			
1,2-Dichloroethane	65.7100	5.0	0.50	50.0000		131	76 - 128			L4

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1128 - MSVOA_S (continued)										
LCS (B2C1128-BS1) - Continued						Prepared: 3/14/2022 Analyzed: 3/14/2022				
1,2-Dichloropropane	46.8100	5.0	0.46	50.0000		93.6	77 - 121			
1,3,5-Trimethylbenzene	45.8700	5.0	0.70	50.0000		91.7	84 - 135			
1,3-Dichlorobenzene	42.2100	5.0	0.36	50.0000		84.4	81 - 126			
1,3-Dichloropropane	45.1500	5.0	0.49	50.0000		90.3	80 - 118			
1,4-Dichlorobenzene	43.0700	5.0	0.27	50.0000		86.1	80 - 124			
2,2-Dichloropropane	59.8700	5.0	0.28	50.0000		120	72 - 135			
2-Chlorotoluene	48.3700	5.0	0.53	50.0000		96.7	81 - 127			
4-Chlorotoluene	51.4600	5.0	0.40	50.0000		103	83 - 127			
4-Isopropyltoluene	46.0500	5.0	0.81	50.0000		92.1	82 - 143			
Benzene	48.8300	5.0	0.36	50.0000		97.7	84 - 123			
Bromobenzene	43.3600	5.0	0.62	50.0000		86.7	80 - 122			
Bromochloromethane	47.8700	5.0	0.30	50.0000		95.7	83 - 127			
Bromodichloromethane	57.5200	5.0	0.52	50.0000		115	82 - 123			
Bromoform	51.8500	5.0	1.4	50.0000		104	80 - 132			
Bromomethane	61.4900	5.0	2.5	50.0000		123	67 - 176			
Carbon disulfide	44.0100	5.0	0.94	50.0000		88.0	75 - 138			
Carbon tetrachloride	66.3500	5.0	0.73	50.0000		133	76 - 131			L4
Chlorobenzene	43.6700	5.0	0.42	50.0000		87.3	84 - 119			
Chloroethane	54.2700	5.0	1.5	50.0000		109	56 - 170			
Chloroform	56.8700	5.0	0.24	50.0000		114	78 - 129			
Chloromethane	43.1600	5.0	1.1	50.0000		86.3	63 - 141			
cis-1,2-Dichloroethene	70.0200	5.0	0.20	50.0000		140	83 - 125			L5
cis-1,3-Dichloropropene	47.0600	5.0	0.39	50.0000		94.1	76 - 129			
Di-isopropyl ether	45.4400	5.0	1.9	50.0000		90.9	73 - 132			
Dibromochloromethane	49.6200	5.0	0.81	50.0000		99.2	81 - 120			
Dibromomethane	52.2500	5.0	0.23	50.0000		104	79 - 124			
Dichlorodifluoromethane	51.6900	5.0	0.14	50.0000		103	18 - 199			
Ethyl Acetate	19.5600	50	7.0	500.000		3.91	76 - 138			MO
Ethyl Ether	558.070	50	17	500.000		112	74 - 128			
Ethyl tert-butyl ether	45.5700	5.0	0.85	50.0000		91.1	50 - 175			
Ethylbenzene	49.5200	5.0	0.43	50.0000		99.0	86 - 130			
Freon-113	50.1200	5.0	1.3	50.0000		100	66 - 132			
Hexachlorobutadiene	52.3500	5.0	0.40	50.0000		105	64 - 135			
Isopropylbenzene	46.8500	5.0	0.79	50.0000		93.7	80 - 133			
m,p-Xylene	99.8000	10	0.98	100.000		99.8	89 - 133			
Methylene chloride	47.4600	5.0	2.2	50.0000		94.9	72 - 143			
MTBE	48.5200	5.0	0.81	50.0000		97.0	73 - 136			
n-Butylbenzene	47.8100	5.0	1.2	50.0000		95.6	76 - 144			
n-Propylbenzene	47.4900	5.0	0.78	50.0000		95.0	81 - 136			
Naphthalene	38.6100	5.0	1.1	50.0000		77.2	64 - 128			
o-Xylene	50.9800	5.0	0.67	50.0000		102	82 - 134			
sec-Butylbenzene	45.2200	5.0	0.63	50.0000		90.4	81 - 138			
Styrene	43.5800	5.0	0.45	50.0000		87.2	79 - 152			
tert-Amyl methyl ether	41.2800	5.0	1.1	50.0000		82.6	48 - 166			
tert-Butanol	230.640	100	11	250.000		92.3	48 - 148			

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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1128 - MSVOA_S (continued)										
LCS (B2C1128-BS1) - Continued						Prepared: 3/14/2022 Analyzed: 3/14/2022				
tert-Butylbenzene	45.2400	5.0	0.80	50.0000		90.5	81 - 135			
Tetrachloroethene	45.7100	5.0	0.31	50.0000		91.4	75 - 127			
Toluene	50.3100	5.0	0.27	50.0000		101	88 - 130			
trans-1,2-Dichloroethene	40.5100	5.0	0.56	50.0000		81.0	79 - 127			
trans-1,3-Dichloropropene	49.4200	5.0	0.59	50.0000		98.8	80 - 130			
Trichloroethene	48.2500	5.0	0.32	50.0000		96.5	83 - 126			
Trichlorofluoromethane	67.4300	5.0	1.0	50.0000		135	62 - 143			
Vinyl acetate	102.970	50	6.0	500.000		20.6	69 - 150			MO
Vinyl chloride	46.2000	5.0	0.92	50.0000		92.4	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*74.80*			*50.0000*		*150*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*56.42*			*50.0000*		*113*	*50 - 146*			
Surrogate: Dibromofluoromethane	*55.21*			*50.0000*		*110*	*77 - 159*			
Surrogate: Toluene-d8	*57.25*			*50.0000*		*114*	*81 - 128*			
LCS Dup (B2C1128-BSD1)						Prepared: 3/14/2022 Analyzed: 3/14/2022				
1,1,1,2-Tetrachloroethane	50.0000	5.0	0.52	50.0000		100	84 - 123	7.08	20	
1,1,1-Trichloroethane	70.2300	5.0	0.26	50.0000		140	78 - 133	8.65	20	L4
1,1,2,2-Tetrachloroethane	45.0200	5.0	0.21	50.0000		90.0	63 - 127	2.79	20	
1,1,2-Trichloroethane	50.7400	5.0	0.40	50.0000		101	80 - 125	9.71	20	
1,1-Dichloroethane	52.8900	5.0	1.4	50.0000		106	77 - 128	0.227	20	
1,1-Dichloroethene	53.0100	5.0	1.9	50.0000		106	69 - 138	8.09	20	
1,1-Dichloropropene	50.2000	5.0	0.54	50.0000		100	80 - 133	11.1	20	
1,2,3-Trichloropropane	48.7800	5.0	0.40	50.0000		97.6	74 - 123	7.11	20	
1,2,3-Trichlorobenzene	47.7400	5.0	0.83	50.0000		95.5	79 - 133	9.45	20	
1,2,4-Trichlorobenzene	50.0000	5.0	0.80	50.0000		100	73 - 131	9.51	20	
1,2,4-Trimethylbenzene	48.3100	5.0	0.91	50.0000		96.6	86 - 137	4.81	20	
1,2-Dibromo-3-chloropropane	61.8800	10	1.1	50.0000		124	62 - 127	10.8	20	
1,2-Dibromoethane	47.5100	5.0	0.40	50.0000		95.0	83 - 126	6.25	20	
1,2-Dichlorobenzene	45.5300	5.0	0.21	50.0000		91.1	83 - 123	1.84	20	
1,2-Dichloroethane	67.0200	5.0	0.50	50.0000		134	76 - 128	1.97	20	L4
1,2-Dichloropropane	48.4300	5.0	0.46	50.0000		96.9	77 - 121	3.40	20	
1,3,5-Trimethylbenzene	48.1400	5.0	0.70	50.0000		96.3	84 - 135	4.83	20	
1,3-Dichlorobenzene	44.1500	5.0	0.36	50.0000		88.3	81 - 126	4.49	20	
1,3-Dichloropropane	46.6300	5.0	0.49	50.0000		93.3	80 - 118	3.23	20	
1,4-Dichlorobenzene	44.2400	5.0	0.27	50.0000		88.5	80 - 124	2.68	20	
2,2-Dichloropropane	65.4800	5.0	0.28	50.0000		131	72 - 135	8.95	20	
2-Chlorotoluene	50.6200	5.0	0.53	50.0000		101	81 - 127	4.55	20	
4-Chlorotoluene	55.0000	5.0	0.40	50.0000		110	83 - 127	6.65	20	
4-Isopropyltoluene	49.6700	5.0	0.81	50.0000		99.3	82 - 143	7.56	20	
Benzene	50.5600	5.0	0.36	50.0000		101	84 - 123	3.48	20	
Bromobenzene	44.7100	5.0	0.62	50.0000		89.4	80 - 122	3.07	20	
Bromochloromethane	50.1100	5.0	0.30	50.0000		100	83 - 127	4.57	20	
Bromodichloromethane	59.6700	5.0	0.52	50.0000		119	82 - 123	3.67	20	
Bromoform	53.8000	5.0	1.4	50.0000		108	80 - 132	3.69	20	
Bromomethane	58.2100	5.0	2.5	50.0000		116	67 - 176	5.48	20	

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Reported : 05/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1128 - MSVOA_S (continued)										
LCS Dup (B2C1128-BSD1) - Continued					Prepared: 3/14/2022 Analyzed: 3/14/2022					
Carbon disulfide	47.4300	5.0	0.94	50.0000		94.9	75 - 138	7.48	20	
Carbon tetrachloride	68.0800	5.0	0.73	50.0000		136	76 - 131	2.57	20	L4
Chlorobenzene	46.6200	5.0	0.42	50.0000		93.2	84 - 119	6.53	20	
Chloroethane	57.3100	5.0	1.5	50.0000		115	56 - 170	5.45	20	
Chloroform	58.6600	5.0	0.24	50.0000		117	78 - 129	3.10	20	
Chloromethane	43.0100	5.0	1.1	50.0000		86.0	63 - 141	0.348	20	
cis-1,2-Dichloroethene	72.7100	5.0	0.20	50.0000		145	83 - 125	3.77	20	L5
cis-1,3-Dichloropropene	48.8200	5.0	0.39	50.0000		97.6	76 - 129	3.67	20	
Di-isopropyl ether	48.1300	5.0	1.9	50.0000		96.3	73 - 132	5.75	20	
Dibromochloromethane	51.9200	5.0	0.81	50.0000		104	81 - 120	4.53	20	
Dibromomethane	53.6800	5.0	0.23	50.0000		107	79 - 124	2.70	20	
Dichlorodifluoromethane	57.2200	5.0	0.14	50.0000		114	18 - 199	10.2	20	
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138	NR	20	MO
Ethyl Ether	569.460	50	17	500.000		114	74 - 128	2.02	20	
Ethyl tert-butyl ether	49.2200	5.0	0.85	50.0000		98.4	50 - 175	7.70	20	
Ethylbenzene	53.4500	5.0	0.43	50.0000		107	86 - 130	7.63	20	
Freon-113	53.7800	5.0	1.3	50.0000		108	66 - 132	7.05	20	
Hexachlorobutadiene	58.0800	5.0	0.40	50.0000		116	64 - 135	10.4	20	
Isopropylbenzene	49.5900	5.0	0.79	50.0000		99.2	80 - 133	5.68	20	
m,p-Xylene	109.160	10	0.98	100.000		109	89 - 133	8.96	20	
Methylene chloride	48.7300	5.0	2.2	50.0000		97.5	72 - 143	2.64	20	
MTBE	51.7800	5.0	0.81	50.0000		104	73 - 136	6.50	20	
n-Butylbenzene	52.9900	5.0	1.2	50.0000		106	76 - 144	10.3	20	
n-Propylbenzene	49.7500	5.0	0.78	50.0000		99.5	81 - 136	4.65	20	
Naphthalene	40.0200	5.0	1.1	50.0000		80.0	64 - 128	3.59	20	
o-Xylene	54.1600	5.0	0.67	50.0000		108	82 - 134	6.05	20	
sec-Butylbenzene	48.6400	5.0	0.63	50.0000		97.3	81 - 138	7.29	20	
Styrene	45.8300	5.0	0.45	50.0000		91.7	79 - 152	5.03	20	
tert-Amyl methyl ether	46.3100	5.0	1.1	50.0000		92.6	48 - 166	11.5	20	
tert-Butanol	243.780	100	11	250.000		97.5	48 - 148	5.54	20	
tert-Butylbenzene	48.3800	5.0	0.80	50.0000		96.8	81 - 135	6.71	20	
Tetrachloroethene	51.5300	5.0	0.31	50.0000		103	75 - 127	12.0	20	
Toluene	54.1700	5.0	0.27	50.0000		108	88 - 130	7.39	20	
trans-1,2-Dichloroethene	39.9500	5.0	0.56	50.0000		79.9	79 - 127	1.39	20	
trans-1,3-Dichloropropene	54.4800	5.0	0.59	50.0000		109	80 - 130	9.74	20	
Trichloroethene	51.4900	5.0	0.32	50.0000		103	83 - 126	6.50	20	
Trichlorofluoromethane	75.2600	5.0	1.0	50.0000		151	62 - 143	11.0	20	L4
Vinyl acetate	105.550	50	6.0	500.000		21.1	69 - 150	2.47	20	MO
Vinyl chloride	53.7400	5.0	0.92	50.0000		107	69 - 140	15.1	20	
Surrogate: 1,2-Dichloroethane-d4	*74.58*			*50.0000*		*149*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*56.43*			*50.0000*		*113*	*50 - 146*			
Surrogate: Dibromofluoromethane	*58.75*			*50.0000*		*118*	*77 - 159*			
Surrogate: Toluene-d8	*57.99*			*50.0000*		*116*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/9/22

3.2.2C

2200329

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport	PROJECT NO.: 5925	
	PROJECT CONTACT: Vinnie Robino / Josh Voss	LAB CONTACT: Victoria Michel	
	GLOBAL ID:	SAMPLER(S): (PRINT) Tiam Novin / Josh Voss	
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	61W-42-1-1	3/9/22	0816	Soil	1	1			X									
2	61W-42-1-5.5	"	0838	"	5	1	4			X	X	X						
3	61W-41-2-1	"	0910	"	1	1			X									
4	61W-41-2-5.5	"	0922	"	5	1	4			X	X	X		X				
5	61W-41-1-1	"	0952	"	1	1			X									
6	61W-41-1-5.5	"	1005	"	5	1	4			X	X	X		X				
7	61W-40-1-1	"	1038	"	1	1			X									
8	61W-40-1-5.5	"	1105	"	5	1	4			X	X	X		X				
9	61W-29-3-1	"	1200	"	1	1			X									
10	61W-29-3-5	"	1214	"	1	1												X
11	61W-29-2-1	"	1306	"	1	1			X									
12	61W-29-2-5	"	1313	"	1	1												X
13	TB_20220309		1316	Water	4		4											X
14	61W-29-1-1		1328	Soil	1	1			X									X
15	61W-29-1-5		1333	Soil	1	1												X

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/9/22	Time: 1621
Relinquished by: (Signature) 3/9/22 18:09	Received by: (Signature) Dannyle	Date: 3/9/22	Time: 18:09
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/9/22

2200329

3.2°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tiam Navin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
16	GIW-24-1-1	3/9/22	1405	Soil	1	1					X	X			X			
17	GIW-24-1-3	↓	1408	↓	1	1												X

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/9/22	Time: 1621
Relinquished by: (Signature) 3/9/22 18:09	Received by: (Signature) Dannyle	Date: 3/9/22	Time: 18:09
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

May 12, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200346
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 10, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 05/12/22 15:29 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

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The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
68-22-Shed1-2-1	2200346-01	Soil	3/10/22 8:22	3/10/22 17:42
68-22-Shed1-2-5.5	2200346-02	Soil	3/10/22 8:30	3/10/22 17:42
61W-37-1-1	2200346-03	Soil	3/10/22 9:35	3/10/22 17:42
61W-37-1-5.5	2200346-04	Soil	3/10/22 10:00	3/10/22 17:42
61W-37-2-1	2200346-05	Soil	3/10/22 10:35	3/10/22 17:42
61W-37--2-5.5	2200346-06	Soil	3/10/22 10:44	3/10/22 17:42
61W-38-1-1	2200346-07	Soil	3/10/22 11:15	3/10/22 17:42
61W-38-1-5.5	2200346-08	Soil	3/10/22 11:30	3/10/22 17:42
61W-38-2-1	2200346-09	Soil	3/10/22 11:54	3/10/22 17:42
61W-38-2-5.5	2200346-10	Soil	3/10/22 12:05	3/10/22 17:42
61W-39-1-1	2200346-11	Soil	3/10/22 13:00	3/10/22 17:42
61W-39-1-5.5	2200346-12	Soil	3/10/22 13:05	3/10/22 17:42
61W-39-2-1	2200346-13	Soil	3/10/22 13:25	3/10/22 17:42
61W-39-2-5.5	2200346-14	Soil	3/10/22 13:36	3/10/22 17:42
61W-39-3-1	2200346-15	Soil	3/10/22 14:05	3/10/22 17:42
61W-39-3-5.5	2200346-16	Soil	3/10/22 14:13	3/10/22 17:42
TB_20220310	2200346-17	Water	3/10/22 14:18	3/10/22 17:42

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Notes and Definitions

MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200346-01	68-22-Shed1-2-1	**ND**	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22 12:53	
2200346-03	61W-37-1-1	**ND**	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22 13:06	
2200346-05	61W-37-2-1	**ND**	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22 13:10	
2200346-07	61W-38-1-1	**ND**	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22 13:13	
2200346-09	61W-38-2-1	**ND**	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22 13:16	
2200346-11	61W-39-1-1	**ND**	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22 13:29	
2200346-13	61W-39-2-1	**ND**	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22 13:33	
2200346-15	61W-39-3-1	**ND**	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22 13:36	

Client Sample ID: 68-22-Shed1-2-1

Lab ID: 2200346-01

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Barium	**86**	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Beryllium	**2.2**	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Chromium	**11**	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Cobalt	**4.6**	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Copper	**8.6**	2.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Lead	**2.1**	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Nickel	**5.2**	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Selenium	**1.1**	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Silver	**5.0**	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Vanadium	**26**	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	
Zinc	**34**	1.0	1	B2C1100	03/15/2022	03/15/22 17:24	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-22-Shed1-2-5.5

Lab ID: 2200346-02

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 19:03	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 19:03	
Surrogate: p-Terphenyl	*115 %*	*62 - 141*		B2C1116	03/12/2022	*03/14/22 19:03*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,1,1-Trichloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,1,2-Trichloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,1-Dichloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,1-Dichloroethene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,1-Dichloropropene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2,3-Trichloropropane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2-Dibromoethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2-Dichlorobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2-Dichloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2-Dichloropropane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,3-Dichlorobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,3-Dichloropropane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,4-Dichlorobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
2,2-Dichloropropane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
2-Chlorotoluene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
4-Chlorotoluene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
4-Isopropyltoluene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Benzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Bromobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Bromochloromethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Bromodichloromethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Bromoform	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Bromomethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Carbon disulfide	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-22-Shed1-2-5.5

Lab ID: 2200346-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Chlorobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Chloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Chloroform	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Chloromethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Di-isopropyl ether	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Dibromochloromethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Dibromomethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Dichlorodifluoromethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Ethyl Acetate	ND	43	1	B2C1158	03/15/2022	03/15/22 17:43	
Ethyl Ether	ND	43	1	B2C1158	03/15/2022	03/15/22 17:43	
Ethyl tert-butyl ether	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Ethylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Freon-113	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Hexachlorobutadiene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Isopropylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
m,p-Xylene	ND	8.7	1	B2C1158	03/15/2022	03/15/22 17:43	
Methylene chloride	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
MTBE	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
n-Butylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
n-Propylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Naphthalene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
o-Xylene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
sec-Butylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Styrene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
tert-Amyl methyl ether	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
tert-Butanol	ND	87	1	B2C1158	03/15/2022	03/15/22 17:43	
tert-Butylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Tetrachloroethene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Toluene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Trichloroethene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Trichlorofluoromethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Vinyl acetate	ND	43	1	B2C1158	03/15/2022	03/15/22 17:43	
Vinyl chloride	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Surrogate: 1,2-Dichloroethane-d4	*178 %*	*66 - 200*		B2C1158	03/15/2022	*03/15/22 17:43*	
Surrogate: 4-Bromofluorobenzene	*109 %*	*50 - 146*		B2C1158	03/15/2022	*03/15/22 17:43*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 68-22-Shed1-2-5.5
Lab ID: 2200346-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*117 %*	*77 - 159*		B2C1158	03/15/2022	*03/15/22 17:43*	
Surrogate: Toluene-d8	*112 %*	*81 - 128*		B2C1158	03/15/2022	*03/15/22 17:43*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1202	03/16/2022	03/16/22 19:59	
Surrogate: 4-Bromofluorobenzene	*93.1 %*	*47.6 - 121.18*		B2C1202	03/16/2022	*03/16/22 19:59*	

Client Sample ID: 61W-37-1-1
Lab ID: 2200346-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Barium	**76**	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Beryllium	**2.3**	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Chromium	**13**	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Cobalt	**5.0**	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Copper	**10**	2.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Lead	**3.2**	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Nickel	**6.2**	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Selenium	**1.2**	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Silver	**5.0**	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Vanadium	**26**	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Zinc	**37**	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-37-1-5.5

Lab ID: 2200346-04

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Surrogate: 1,2-Dichlorobenzene-d4	*67.0 %*	*12 - 125*		B2C1140	03/14/2022	*03/16/22 16:50*	
Surrogate: 2-Fluorobiphenyl	*74.9 %*	*14 - 139*		B2C1140	03/14/2022	*03/16/22 16:50*	
Surrogate: Nitrobenzene-d5	*49.8 %*	*8 - 155*		B2C1140	03/14/2022	*03/16/22 16:50*	
Surrogate: 4-Terphenyl-d14	*109 %*	*16 - 152*		B2C1140	03/14/2022	*03/16/22 16:50*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 19:23	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 19:23	
Surrogate: p-Terphenyl	*98.2 %*	*62 - 141*		B2C1116	03/12/2022	*03/14/22 19:23*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,1,1-Trichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,1,2,2-Tetrachloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,1,2-Trichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-37-1-5.5

Lab ID: 2200346-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,1-Dichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,1-Dichloropropene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2,3-Trichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2,3-Trichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2,4-Trichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2,4-Trimethylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2-Dibromo-3-chloropropane	ND	8.1	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2-Dibromoethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2-Dichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2-Dichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2-Dichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,3,5-Trimethylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,3-Dichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,3-Dichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,4-Dichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
2,2-Dichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
2-Chlorotoluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
4-Chlorotoluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
4-Isopropyltoluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Benzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Bromobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Bromochloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Bromodichloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Bromoform	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Bromomethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Carbon disulfide	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Carbon tetrachloride	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Chlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Chloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Chloroform	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Chloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
cis-1,2-Dichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
cis-1,3-Dichloropropene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Di-isopropyl ether	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Dibromochloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Dibromomethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Dichlorodifluoromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Ethyl Acetate	ND	40	1	B2C1158	03/15/2022	03/15/22 18:09	
Ethyl Ether	ND	40	1	B2C1158	03/15/2022	03/15/22 18:09	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-37-1-5.5

Lab ID: 2200346-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Ethylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Freon-113	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Hexachlorobutadiene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Isopropylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
m,p-Xylene	ND	8.1	1	B2C1158	03/15/2022	03/15/22 18:09	
Methylene chloride	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
MTBE	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
n-Butylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
n-Propylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Naphthalene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
o-Xylene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
sec-Butylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Styrene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
tert-Amyl methyl ether	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
tert-Butanol	ND	81	1	B2C1158	03/15/2022	03/15/22 18:09	
tert-Butylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Tetrachloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Toluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
trans-1,2-Dichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
trans-1,3-Dichloropropene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Trichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Trichlorofluoromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Vinyl acetate	ND	40	1	B2C1158	03/15/2022	03/15/22 18:09	
Vinyl chloride	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Surrogate: 1,2-Dichloroethane-d4	*179 %*	*66 - 200*		B2C1158	03/15/2022	*03/15/22 18:09*	
Surrogate: 4-Bromofluorobenzene	*106 %*	*50 - 146*		B2C1158	03/15/2022	*03/15/22 18:09*	
Surrogate: Dibromofluoromethane	*114 %*	*77 - 159*		B2C1158	03/15/2022	*03/15/22 18:09*	
Surrogate: Toluene-d8	*111 %*	*81 - 128*		B2C1158	03/15/2022	*03/15/22 18:09*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.99	1	B2C1202	03/16/2022	03/16/22 20:24	
Surrogate: 4-Bromofluorobenzene	*91.6 %*	*47.6 - 121.18*		B2C1202	03/16/2022	*03/16/22 20:24*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-37-2-1

Lab ID: 2200346-05

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Arsenic	**3.8**	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Barium	**70**	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Beryllium	**2.0**	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Chromium	**10**	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Cobalt	**4.1**	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Copper	**8.0**	2.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Lead	**2.3**	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Nickel	**4.7**	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Selenium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Silver	**4.3**	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Vanadium	**24**	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Zinc	**31**	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-37--2-5.5

Lab ID: 2200346-06

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Surrogate: 1,2-Dichlorobenzene-d4	*64.7 %*	*12 - 125*		B2C1140	03/14/2022	*03/16/22 23:36*	
Surrogate: 2-Fluorobiphenyl	*74.6 %*	*14 - 139*		B2C1140	03/14/2022	*03/16/22 23:36*	
Surrogate: Nitrobenzene-d5	*52.6 %*	*8 - 155*		B2C1140	03/14/2022	*03/16/22 23:36*	
Surrogate: 4-Terphenyl-d14	*126 %*	*16 - 152*		B2C1140	03/14/2022	*03/16/22 23:36*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 19:44	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 19:44	
Surrogate: p-Terphenyl	*116 %*	*62 - 141*		B2C1116	03/12/2022	*03/14/22 19:44*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,1,1-Trichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,1,2-Trichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-37--2-5.5

Lab ID: 2200346-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,1-Dichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,1-Dichloropropene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2,3-Trichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2-Dibromoethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2-Dichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2-Dichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2-Dichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,3-Dichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,3-Dichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,4-Dichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
2,2-Dichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
2-Chlorotoluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
4-Chlorotoluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
4-Isopropyltoluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Benzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Bromobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Bromochloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Bromodichloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Bromoform	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Bromomethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Carbon disulfide	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Carbon tetrachloride	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Chlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Chloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Chloroform	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Chloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Di-isopropyl ether	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Dibromochloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Dibromomethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Dichlorodifluoromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Ethyl Acetate	ND	44	1	B2C1158	03/15/2022	03/15/22 18:35	
Ethyl Ether	ND	44	1	B2C1158	03/15/2022	03/15/22 18:35	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-37--2-5.5

Lab ID: 2200346-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Ethylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Freon-113	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Hexachlorobutadiene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Isopropylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
m,p-Xylene	ND	8.8	1	B2C1158	03/15/2022	03/15/22 18:35	
Methylene chloride	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
MTBE	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
n-Butylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
n-Propylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Naphthalene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
o-Xylene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
sec-Butylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Styrene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
tert-Amyl methyl ether	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
tert-Butanol	ND	88	1	B2C1158	03/15/2022	03/15/22 18:35	
tert-Butylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Tetrachloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Toluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Trichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Trichlorofluoromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Vinyl acetate	ND	44	1	B2C1158	03/15/2022	03/15/22 18:35	
Vinyl chloride	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Surrogate: 1,2-Dichloroethane-d4	*182 %*	*66 - 200*		B2C1158	03/15/2022	*03/15/22 18:35*	
Surrogate: 4-Bromofluorobenzene	*105 %*	*50 - 146*		B2C1158	03/15/2022	*03/15/22 18:35*	
Surrogate: Dibromofluoromethane	*119 %*	*77 - 159*		B2C1158	03/15/2022	*03/15/22 18:35*	
Surrogate: Toluene-d8	*109 %*	*81 - 128*		B2C1158	03/15/2022	*03/15/22 18:35*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.99	1	B2C1202	03/16/2022	03/17/22 01:56	
Surrogate: 4-Bromofluorobenzene	*93.9 %*	*47.6 - 121.18*		B2C1202	03/16/2022	*03/17/22 01:56*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-38-1-1

Lab ID: 2200346-07

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Barium	**93**	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Beryllium	**2.4**	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Chromium	**12**	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Cobalt	**5.1**	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Copper	**8.9**	2.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Lead	**2.2**	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Nickel	**5.4**	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Selenium	**1.5**	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Silver	**5.2**	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Vanadium	**28**	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Zinc	**35**	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-38-1-5.5

Lab ID: 2200346-08

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Surrogate: 1,2-Dichlorobenzene-d4	*51.4 %*	*12 - 125*		B2C1140	03/14/2022	*03/17/22 00:01*	
Surrogate: 2-Fluorobiphenyl	*62.5 %*	*14 - 139*		B2C1140	03/14/2022	*03/17/22 00:01*	
Surrogate: Nitrobenzene-d5	*38.4 %*	*8 - 155*		B2C1140	03/14/2022	*03/17/22 00:01*	
Surrogate: 4-Terphenyl-d14	*83.0 %*	*16 - 152*		B2C1140	03/14/2022	*03/17/22 00:01*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 20:05	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 20:05	
Surrogate: p-Terphenyl	*126 %*	*62 - 141*		B2C1116	03/12/2022	*03/14/22 20:05*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,1,1-Trichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,1,2-Trichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-38-1-5.5

Lab ID: 2200346-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,1-Dichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,1-Dichloropropene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2,3-Trichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2-Dibromo-3-chloropropane	ND	7.8	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2-Dibromoethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2-Dichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2-Dichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2-Dichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,3-Dichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,3-Dichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,4-Dichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
2,2-Dichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
2-Chlorotoluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
4-Chlorotoluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
4-Isopropyltoluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Benzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Bromobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Bromochloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Bromodichloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Bromoform	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Bromomethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Carbon disulfide	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Carbon tetrachloride	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Chlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Chloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Chloroform	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Chloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Di-isopropyl ether	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Dibromochloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Dibromomethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Dichlorodifluoromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Ethyl Acetate	ND	39	1	B2C1158	03/15/2022	03/15/22 19:00	
Ethyl Ether	ND	39	1	B2C1158	03/15/2022	03/15/22 19:00	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-38-1-5.5

Lab ID: 2200346-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Ethylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Freon-113	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Hexachlorobutadiene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Isopropylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
m,p-Xylene	ND	7.8	1	B2C1158	03/15/2022	03/15/22 19:00	
Methylene chloride	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
MTBE	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
n-Butylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
n-Propylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Naphthalene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
o-Xylene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
sec-Butylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Styrene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
tert-Amyl methyl ether	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
tert-Butanol	ND	78	1	B2C1158	03/15/2022	03/15/22 19:00	
tert-Butylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Tetrachloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Toluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Trichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Trichlorofluoromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Vinyl acetate	ND	39	1	B2C1158	03/15/2022	03/15/22 19:00	
Vinyl chloride	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Surrogate: 1,2-Dichloroethane-d4	*173 %*	*66 - 200*		B2C1158	03/15/2022	*03/15/22 19:00*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*50 - 146*		B2C1158	03/15/2022	*03/15/22 19:00*	
Surrogate: Dibromofluoromethane	*120 %*	*77 - 159*		B2C1158	03/15/2022	*03/15/22 19:00*	
Surrogate: Toluene-d8	*109 %*	*81 - 128*		B2C1158	03/15/2022	*03/15/22 19:00*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.85	1	B2C1202	03/16/2022	03/16/22 21:51	
Surrogate: 4-Bromofluorobenzene	*92.9 %*	*47.6 - 121.18*		B2C1202	03/16/2022	*03/16/22 21:51*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-38-2-1

Lab ID: 2200346-09

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Barium	**96**	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Beryllium	**2.4**	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Chromium	**12**	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Cobalt	**5.3**	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Copper	**10**	2.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Lead	**2.2**	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Nickel	**5.7**	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Selenium	**1.2**	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Silver	**5.2**	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Vanadium	**28**	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Zinc	**38**	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-38-2-5.5

Lab ID: 2200346-10

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Surrogate: 1,2-Dichlorobenzene-d4	*51.0 %*	*12 - 125*		B2C1140	03/14/2022	*03/17/22 00:27*	
Surrogate: 2-Fluorobiphenyl	*62.4 %*	*14 - 139*		B2C1140	03/14/2022	*03/17/22 00:27*	
Surrogate: Nitrobenzene-d5	*37.6 %*	*8 - 155*		B2C1140	03/14/2022	*03/17/22 00:27*	
Surrogate: 4-Terphenyl-d14	*78.5 %*	*16 - 152*		B2C1140	03/14/2022	*03/17/22 00:27*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 20:25	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 20:25	
Surrogate: p-Terphenyl	*113 %*	*62 - 141*		B2C1116	03/12/2022	*03/14/22 20:25*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,1,1-Trichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,1,2,2-Tetrachloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,1,2-Trichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-38-2-5.5

Lab ID: 2200346-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,1-Dichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,1-Dichloropropene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2,3-Trichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2,3-Trichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2,4-Trichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2,4-Trimethylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2-Dibromoethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2-Dichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2-Dichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2-Dichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,3,5-Trimethylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,3-Dichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,3-Dichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,4-Dichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
2,2-Dichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
2-Chlorotoluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
4-Chlorotoluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
4-Isopropyltoluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Benzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Bromobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Bromochloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Bromodichloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Bromoform	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Bromomethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Carbon disulfide	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Carbon tetrachloride	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Chlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Chloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Chloroform	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Chloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
cis-1,2-Dichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
cis-1,3-Dichloropropene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Di-isopropyl ether	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Dibromochloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Dibromomethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Dichlorodifluoromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Ethyl Acetate	ND	40	1	B2C1158	03/15/2022	03/15/22 19:26	
Ethyl Ether	ND	40	1	B2C1158	03/15/2022	03/15/22 19:26	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-38-2-5.5

Lab ID: 2200346-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Ethylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Freon-113	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Hexachlorobutadiene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Isopropylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
m,p-Xylene	ND	7.9	1	B2C1158	03/15/2022	03/15/22 19:26	
Methylene chloride	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
MTBE	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
n-Butylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
n-Propylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Naphthalene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
o-Xylene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
sec-Butylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Styrene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
tert-Amyl methyl ether	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
tert-Butanol	ND	79	1	B2C1158	03/15/2022	03/15/22 19:26	
tert-Butylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Tetrachloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Toluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
trans-1,2-Dichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
trans-1,3-Dichloropropene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Trichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Trichlorofluoromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Vinyl acetate	ND	40	1	B2C1158	03/15/2022	03/15/22 19:26	
Vinyl chloride	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Surrogate: 1,2-Dichloroethane-d4	*186 %*	*66 - 200*		B2C1158	03/15/2022	*03/15/22 19:26*	
Surrogate: 4-Bromofluorobenzene	*107 %*	*50 - 146*		B2C1158	03/15/2022	*03/15/22 19:26*	
Surrogate: Dibromofluoromethane	*128 %*	*77 - 159*		B2C1158	03/15/2022	*03/15/22 19:26*	
Surrogate: Toluene-d8	*114 %*	*81 - 128*		B2C1158	03/15/2022	*03/15/22 19:26*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.84	1	B2C1202	03/16/2022	03/16/22 22:16	
Surrogate: 4-Bromofluorobenzene	*91.2 %*	*47.6 - 121.18*		B2C1202	03/16/2022	*03/16/22 22:16*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-39-1-1

Lab ID: 2200346-11

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Arsenic	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Barium	**130**	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Beryllium	**3.3**	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Cadmium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Chromium	**17**	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Cobalt	**5.5**	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Copper	**13**	2.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Lead	**3.1**	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Molybdenum	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Nickel	**7.2**	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Selenium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Silver	**7.4**	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Thallium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Vanadium	**37**	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Zinc	**45**	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-39-1-5.5

Lab ID: 2200346-12

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Surrogate: 1,2-Dichlorobenzene-d4	*43.4 %*	*12 - 125*		B2C1140	03/14/2022	*03/17/22 00:53*	
Surrogate: 2-Fluorobiphenyl	*48.7 %*	*14 - 139*		B2C1140	03/14/2022	*03/17/22 00:53*	
Surrogate: Nitrobenzene-d5	*43.2 %*	*8 - 155*		B2C1140	03/14/2022	*03/17/22 00:53*	
Surrogate: 4-Terphenyl-d14	*88.5 %*	*16 - 152*		B2C1140	03/14/2022	*03/17/22 00:53*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 20:46	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 20:46	
Surrogate: p-Terphenyl	*114 %*	*62 - 141*		B2C1116	03/12/2022	*03/14/22 20:46*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,1,1-Trichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,1,2-Trichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-39-1-5.5

Lab ID: 2200346-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,1-Dichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,1-Dichloropropene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2,3-Trichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2-Dibromoethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2-Dichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2-Dichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2-Dichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,3-Dichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,3-Dichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,4-Dichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
2,2-Dichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
2-Chlorotoluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
4-Chlorotoluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
4-Isopropyltoluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Benzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Bromobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Bromochloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Bromodichloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Bromoform	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Bromomethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Carbon disulfide	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Carbon tetrachloride	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Chlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Chloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Chloroform	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Chloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Di-isopropyl ether	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Dibromochloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Dibromomethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Dichlorodifluoromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Ethyl Acetate	ND	39	1	B2C1158	03/15/2022	03/15/22 19:51	
Ethyl Ether	ND	39	1	B2C1158	03/15/2022	03/15/22 19:51	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-39-1-5.5

Lab ID: 2200346-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Ethylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Freon-113	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Hexachlorobutadiene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Isopropylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
m,p-Xylene	ND	7.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Methylene chloride	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
MTBE	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
n-Butylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
n-Propylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Naphthalene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
o-Xylene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
sec-Butylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Styrene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
tert-Amyl methyl ether	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
tert-Butanol	ND	79	1	B2C1158	03/15/2022	03/15/22 19:51	
tert-Butylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Tetrachloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Toluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Trichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Trichlorofluoromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Vinyl acetate	ND	39	1	B2C1158	03/15/2022	03/15/22 19:51	
Vinyl chloride	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Surrogate: 1,2-Dichloroethane-d4	*180 %*	*66 - 200*		B2C1158	03/15/2022	*03/15/22 19:51*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C1158	03/15/2022	*03/15/22 19:51*	
Surrogate: Dibromofluoromethane	*124 %*	*77 - 159*		B2C1158	03/15/2022	*03/15/22 19:51*	
Surrogate: Toluene-d8	*111 %*	*81 - 128*		B2C1158	03/15/2022	*03/15/22 19:51*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.81	1	B2C1202	03/16/2022	03/16/22 22:40	
Surrogate: 4-Bromofluorobenzene	*92.9 %*	*47.6 - 121.18*		B2C1202	03/16/2022	*03/16/22 22:40*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-39-2-1

Lab ID: 2200346-13

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Arsenic	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Barium	**81**	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Beryllium	**2.1**	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Cadmium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Chromium	**11**	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Cobalt	**3.9**	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Copper	**8.7**	2.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Lead	**2.2**	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Molybdenum	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Nickel	**4.9**	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Selenium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Silver	**4.6**	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Thallium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Vanadium	**26**	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Zinc	**31**	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-39-2-5.5

Lab ID: 2200346-14

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Surrogate: 1,2-Dichlorobenzene-d4	*43.5 %*	*12 - 125*		B2C1140	03/14/2022	*03/17/22 01:19*	
Surrogate: 2-Fluorobiphenyl	*44.4 %*	*14 - 139*		B2C1140	03/14/2022	*03/17/22 01:19*	
Surrogate: Nitrobenzene-d5	*14.7 %*	*8 - 155*		B2C1140	03/14/2022	*03/17/22 01:19*	
Surrogate: 4-Terphenyl-d14	*87.9 %*	*16 - 152*		B2C1140	03/14/2022	*03/17/22 01:19*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 21:06	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 21:06	
Surrogate: p-Terphenyl	*123 %*	*62 - 141*		B2C1116	03/12/2022	*03/14/22 21:06*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,1,1-Trichloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,1,2-Trichloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-39-2-5.5

Lab ID: 2200346-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,1-Dichloroethene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,1-Dichloropropene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2,3-Trichloropropane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2-Dibromo-3-chloropropane	ND	9.8	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2-Dibromoethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2-Dichlorobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2-Dichloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2-Dichloropropane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,3-Dichlorobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,3-Dichloropropane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,4-Dichlorobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
2,2-Dichloropropane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
2-Chlorotoluene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
4-Chlorotoluene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
4-Isopropyltoluene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Benzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Bromobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Bromochloromethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Bromodichloromethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Bromoform	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Bromomethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Carbon disulfide	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Carbon tetrachloride	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Chlorobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Chloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Chloroform	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Chloromethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
cis-1,2-Dichloroethene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
cis-1,3-Dichloropropene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Di-isopropyl ether	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Dibromochloromethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Dibromomethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Dichlorodifluoromethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Ethyl Acetate	ND	49	1	B2C1158	03/15/2022	03/15/22 20:17	
Ethyl Ether	ND	49	1	B2C1158	03/15/2022	03/15/22 20:17	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-39-2-5.5

Lab ID: 2200346-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Ethylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Freon-113	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Hexachlorobutadiene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Isopropylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
m,p-Xylene	ND	9.8	1	B2C1158	03/15/2022	03/15/22 20:17	
Methylene chloride	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
MTBE	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
n-Butylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
n-Propylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Naphthalene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
o-Xylene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
sec-Butylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Styrene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
tert-Amyl methyl ether	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
tert-Butanol	ND	98	1	B2C1158	03/15/2022	03/15/22 20:17	
tert-Butylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Tetrachloroethene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Toluene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
trans-1,2-Dichloroethene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
trans-1,3-Dichloropropene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Trichloroethene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Trichlorofluoromethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Vinyl acetate	ND	49	1	B2C1158	03/15/2022	03/15/22 20:17	
Vinyl chloride	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Surrogate: 1,2-Dichloroethane-d4	*177 %*	*66 - 200*		B2C1158	03/15/2022	*03/15/22 20:17*	
Surrogate: 4-Bromofluorobenzene	*104 %*	*50 - 146*		B2C1158	03/15/2022	*03/15/22 20:17*	
Surrogate: Dibromofluoromethane	*121 %*	*77 - 159*		B2C1158	03/15/2022	*03/15/22 20:17*	
Surrogate: Toluene-d8	*108 %*	*81 - 128*		B2C1158	03/15/2022	*03/15/22 20:17*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1202	03/16/2022	03/16/22 23:05	
Surrogate: 4-Bromofluorobenzene	*91.6 %*	*47.6 - 121.18*		B2C1202	03/16/2022	*03/16/22 23:05*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-39-3-1

Lab ID: 2200346-15

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Arsenic	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Barium	**71**	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Beryllium	**1.9**	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Cadmium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Chromium	**9.9**	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Cobalt	**3.6**	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Copper	**8.3**	2.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Lead	**2.1**	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Molybdenum	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Nickel	**4.6**	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Selenium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Silver	**4.1**	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Thallium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Vanadium	**23**	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Zinc	**28**	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-39-3-5.5

Lab ID: 2200346-16

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Surrogate: 1,2-Dichlorobenzene-d4	*38.1 %*	*12 - 125*		B2C1140	03/14/2022	*03/17/22 01:45*	
Surrogate: 2-Fluorobiphenyl	*40.1 %*	*14 - 139*		B2C1140	03/14/2022	*03/17/22 01:45*	
Surrogate: Nitrobenzene-d5	*9.37 %*	*8 - 155*		B2C1140	03/14/2022	*03/17/22 01:45*	
Surrogate: 4-Terphenyl-d14	*71.8 %*	*16 - 152*		B2C1140	03/14/2022	*03/17/22 01:45*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 21:27	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 21:27	
Surrogate: p-Terphenyl	*114 %*	*62 - 141*		B2C1116	03/12/2022	*03/14/22 21:27*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,1,1-Trichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,1,2-Trichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-39-3-5.5

Lab ID: 2200346-16

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,1-Dichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,1-Dichloropropene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2,3-Trichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2-Dibromoethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2-Dichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2-Dichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2-Dichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,3-Dichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,3-Dichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,4-Dichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
2,2-Dichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
2-Chlorotoluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
4-Chlorotoluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
4-Isopropyltoluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Benzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Bromobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Bromochloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Bromodichloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Bromoform	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Bromomethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Carbon disulfide	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Carbon tetrachloride	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Chlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Chloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Chloroform	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Chloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Di-isopropyl ether	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Dibromochloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Dibromomethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Dichlorodifluoromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Ethyl Acetate	ND	44	1	B2C1158	03/15/2022	03/15/22 20:43	
Ethyl Ether	ND	44	1	B2C1158	03/15/2022	03/15/22 20:43	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-39-3-5.5

Lab ID: 2200346-16

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Ethylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Freon-113	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Hexachlorobutadiene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Isopropylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
m,p-Xylene	ND	8.9	1	B2C1158	03/15/2022	03/15/22 20:43	
Methylene chloride	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
MTBE	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
n-Butylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
n-Propylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Naphthalene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
o-Xylene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
sec-Butylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Styrene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
tert-Amyl methyl ether	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
tert-Butanol	ND	89	1	B2C1158	03/15/2022	03/15/22 20:43	
tert-Butylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Tetrachloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Toluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Trichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Trichlorofluoromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Vinyl acetate	ND	44	1	B2C1158	03/15/2022	03/15/22 20:43	
Vinyl chloride	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Surrogate: 1,2-Dichloroethane-d4	*179 %*	*66 - 200*		B2C1158	03/15/2022	*03/15/22 20:43*	
Surrogate: 4-Bromofluorobenzene	*106 %*	*50 - 146*		B2C1158	03/15/2022	*03/15/22 20:43*	
Surrogate: Dibromofluoromethane	*118 %*	*77 - 159*		B2C1158	03/15/2022	*03/15/22 20:43*	
Surrogate: Toluene-d8	*110 %*	*81 - 128*		B2C1158	03/15/2022	*03/15/22 20:43*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.89	1	B2C1202	03/16/2022	03/16/22 23:29	
Surrogate: 4-Bromofluorobenzene	*96.4 %*	*47.6 - 121.18*		B2C1202	03/16/2022	*03/16/22 23:29*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

QUALITY CONTROL SECTION

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1140 - MSSEMI_S										
Blank (B2C1140-BLK1)						Prepared: 3/14/2022 Analyzed: 3/16/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	ND	5.0	0.45							
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	ND	5.0	0.34							
Pyrene	ND	5.0	0.51							
Surrogate: 1,2-Dichlorobenzene-d4	*43.89*			*66.6667*		*65.8*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*48.87*			*66.6667*		*73.3*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*34.24*			*66.6667*		*51.4*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*93.01*			*66.6667*		*140*	*16 - 152*			
Blank (B2C1140-BLK2)						Prepared: 3/14/2022 Analyzed: 3/16/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	ND	5.0	0.45							
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	ND	5.0	0.34							
Pyrene	ND	5.0	0.51							
Surrogate: 1,2-Dichlorobenzene-d4	*41.70*			*66.6667*		*62.6*	*12 - 125*			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1140 - MSSEMI_S (continued)										
Blank (B2C1140-BLK2) - Continued						Prepared: 3/14/2022 Analyzed: 3/16/2022				
Surrogate: 2-Fluorobiphenyl	*48.49*			*66.6667*		*72.7*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*36.09*			*66.6667*		*54.1*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*92.75*			*66.6667*		*139*	*16 - 152*			
Blank (B2C1140-BLK3)						Prepared: 3/14/2022 Analyzed: 3/18/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	ND	5.0	0.45							
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	ND	5.0	0.34							
Pyrene	ND	5.0	0.51							
Surrogate: 1,2-Dichlorobenzene-d4	*33.66*			*66.6667*		*50.5*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*38.18*			*66.6667*		*57.3*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*29.20*			*66.6667*		*43.8*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*64.91*			*66.6667*		*97.4*	*16 - 152*			
LCS (B2C1140-BS1)						Prepared: 3/14/2022 Analyzed: 3/16/2022				
2-Methylnaphthalene	44.8920	5.0	0.60	66.6667		67.3	39 - 92			
Acenaphthene	55.1947	5.0	0.41	66.6667		82.8	35 - 94			
Acenaphthylene	59.6920	5.0	0.41	66.6667		89.5	31 - 101			
Anthracene	57.8433	5.0	0.56	66.6667		86.8	37 - 95			
Benzo(a)anthracene	57.2773	5.0	0.56	66.6667		85.9	43 - 102			
Benzo(a)pyrene	54.9067	5.0	0.69	66.6667		82.4	38 - 95			
Benzo(b)fluoranthene	47.0427	5.0	2.2	66.6667		70.6	44 - 102			
Benzo(g,h,i)perylene	42.6453	5.0	0.80	66.6667		64.0	34 - 114			
Benzo(k)fluoranthene	52.5053	5.0	0.70	66.6667		78.8	34 - 110			
Chrysene	65.5453	5.0	0.61	66.6667		98.3	46 - 101			
Dibenz(a,h)anthracene	35.8667	5.0	0.88	66.6667		53.8	35 - 117			
Fluoranthene	61.9153	5.0	0.45	66.6667		92.9	46 - 107			
Fluorene	53.5373	5.0	0.35	66.6667		80.3	35 - 98			
Indeno(1,2,3-cd)pyrene	39.8080	5.0	0.82	66.6667		59.7	35 - 114			
Naphthalene	47.8367	5.0	0.56	66.6667		71.8	39 - 86			
Phenanthrene	57.3740	5.0	0.34	66.6667		86.1	43 - 98			
Pyrene	63.4473	5.0	0.51	66.6667		95.2	44 - 108			

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Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1140 - MSSEMI_S (continued)										
LCS (B2C1140-BS1) - Continued						Prepared: 3/14/2022 Analyzed: 3/16/2022				
Surrogate: 1,2-Dichlorobenzene-d4	*45.38*			*66.6667*		*68.1*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*55.94*			*66.6667*		*83.9*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*46.47*			*66.6667*		*69.7*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*73.90*			*66.6667*		*111*	*16 - 152*			
LCS (B2C1140-BS2)						Prepared: 3/14/2022 Analyzed: 3/16/2022				
2-Methylnaphthalene	43.2287	5.0	0.60	66.6667		64.8	39 - 92			
Acenaphthene	51.2607	5.0	0.41	66.6667		76.9	35 - 94			
Acenaphthylene	56.1880	5.0	0.41	66.6667		84.3	31 - 101			
Anthracene	56.8653	5.0	0.56	66.6667		85.3	37 - 95			
Benzo(a)anthracene	54.0513	5.0	0.56	66.6667		81.1	43 - 102			
Benzo(a)pyrene	55.8160	5.0	0.69	66.6667		83.7	38 - 95			
Benzo(b)fluoranthene	50.9693	5.0	2.2	66.6667		76.5	44 - 102			
Benzo(g,h,i)perylene	41.7287	5.0	0.80	66.6667		62.6	34 - 114			
Benzo(k)fluoranthene	54.7280	5.0	0.70	66.6667		82.1	34 - 110			
Chrysene	69.4513	5.0	0.61	66.6667		104	46 - 101			L3
Dibenz(a,h)anthracene	33.3560	5.0	0.88	66.6667		50.0	35 - 117			
Fluoranthene	63.2580	5.0	0.45	66.6667		94.9	46 - 107			
Fluorene	50.7267	5.0	0.35	66.6667		76.1	35 - 98			
Indeno(1,2,3-cd)pyrene	43.4720	5.0	0.82	66.6667		65.2	35 - 114			
Naphthalene	45.0880	5.0	0.56	66.6667		67.6	39 - 86			
Phenanthrene	56.1073	5.0	0.34	66.6667		84.2	43 - 98			
Pyrene	65.0320	5.0	0.51	66.6667		97.5	44 - 108			
Surrogate: 1,2-Dichlorobenzene-d4	*43.30*			*66.6667*		*64.9*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*50.57*			*66.6667*		*75.9*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*46.58*			*66.6667*		*69.9*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*74.38*			*66.6667*		*112*	*16 - 152*			
LCS (B2C1140-BS3)						Prepared: 3/14/2022 Analyzed: 3/18/2022				
2-Methylnaphthalene	41.4840	5.0	0.60	66.6667		62.2	39 - 92			
Acenaphthene	45.4480	5.0	0.41	66.6667		68.2	35 - 94			
Acenaphthylene	49.2387	5.0	0.41	66.6667		73.9	31 - 101			
Anthracene	51.6487	5.0	0.56	66.6667		77.5	37 - 95			
Benzo(a)anthracene	58.2773	5.0	0.56	66.6667		87.4	43 - 102			
Benzo(a)pyrene	59.7000	5.0	0.69	66.6667		89.5	38 - 95			
Benzo(b)fluoranthene	57.5407	5.0	2.2	66.6667		86.3	44 - 102			
Benzo(g,h,i)perylene	55.7633	5.0	0.80	66.6667		83.6	34 - 114			
Benzo(k)fluoranthene	57.3053	5.0	0.70	66.6667		86.0	34 - 110			
Chrysene	57.4133	5.0	0.61	66.6667		86.1	46 - 101			
Dibenz(a,h)anthracene	56.3733	5.0	0.88	66.6667		84.6	35 - 117			
Fluoranthene	58.9027	5.0	0.45	66.6667		88.4	46 - 107			
Fluorene	48.2060	5.0	0.35	66.6667		72.3	35 - 98			
Indeno(1,2,3-cd)pyrene	55.4280	5.0	0.82	66.6667		83.1	35 - 114			
Naphthalene	41.1920	5.0	0.56	66.6667		61.8	39 - 86			
Phenanthrene	52.9633	5.0	0.34	66.6667		79.4	43 - 98			
Pyrene	58.2413	5.0	0.51	66.6667		87.4	44 - 108			

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Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1140 - MSSEMI_S (continued)										
LCS (B2C1140-BS3) - Continued						Prepared: 3/14/2022 Analyzed: 3/18/2022				
Surrogate: 1,2-Dichlorobenzene-d4	*42.14*			*66.6667*		*63.2*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*47.39*			*66.6667*		*71.1*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*38.46*			*66.6667*		*57.7*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*59.77*			*66.6667*		*89.7*	*16 - 152*			
Matrix Spike (B2C1140-MS1)			**Source: 2200346-04**			Prepared: 3/14/2022 Analyzed: 3/16/2022				
2-Methylnaphthalene	41.4147	5.0	0.60	66.6667	ND	62.1	43 - 120			
Acenaphthene	47.1873	5.0	0.41	66.6667	ND	70.8	52 - 113			
Acenaphthylene	52.6467	5.0	0.41	66.6667	ND	79.0	44 - 126			
Anthracene	52.4327	5.0	0.56	66.6667	ND	78.6	49 - 128			
Benzo(a)anthracene	52.6620	5.0	0.56	66.6667	ND	79.0	32 - 158			
Benzo(a)pyrene	46.5220	5.0	0.69	66.6667	ND	69.8	39 - 137			
Benzo(b)fluoranthene	51.2607	5.0	2.2	66.6667	ND	76.9	52 - 132			
Benzo(g,h,i)perylene	42.0087	5.0	0.80	66.6667	2.10133	59.9	35 - 162			
Benzo(k)fluoranthene	50.8773	5.0	0.70	66.6667	ND	76.3	18 - 153			
Chrysene	62.4660	5.0	0.61	66.6667	0.670000	92.7	25 - 160			
Dibenz(a,h)anthracene	36.9000	5.0	0.88	66.6667	ND	55.4	41 - 155			
Fluoranthene	58.5073	5.0	0.45	66.6667	0.871333	86.5	5 - 185			
Fluorene	48.2780	5.0	0.35	66.6667	ND	72.4	28 - 135			
Indeno(1,2,3-cd)pyrene	39.7433	5.0	0.82	66.6667	ND	59.6	36 - 162			
Naphthalene	43.1800	5.0	0.56	66.6667	ND	64.8	41 - 113			
Phenanthrene	54.4067	5.0	0.34	66.6667	0.726667	80.5	35 - 143			
Pyrene	58.6773	5.0	0.51	66.6667	1.04067	86.5	10 - 184			
Surrogate: 1,2-Dichlorobenzene-d4	*41.13*			*66.6667*		*61.7*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*47.83*			*66.6667*		*71.7*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*42.93*			*66.6667*		*64.4*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*65.92*			*66.6667*		*98.9*	*16 - 152*			
Matrix Spike Dup (B2C1140-MSD1)			**Source: 2200346-04**			Prepared: 3/14/2022 Analyzed: 3/16/2022				
2-Methylnaphthalene	38.2773	5.0	0.60	66.6667	ND	57.4	43 - 120	7.87	20	
Acenaphthene	47.2427	5.0	0.41	66.6667	ND	70.9	52 - 113	0.117	20	
Acenaphthylene	51.5467	5.0	0.41	66.6667	ND	77.3	44 - 126	2.11	20	
Anthracene	47.4000	5.0	0.56	66.6667	ND	71.1	49 - 128	10.1	20	
Benzo(a)anthracene	45.1640	5.0	0.56	66.6667	ND	67.7	32 - 158	15.3	20	
Benzo(a)pyrene	39.9353	5.0	0.69	66.6667	ND	59.9	39 - 137	15.2	20	
Benzo(b)fluoranthene	48.1033	5.0	2.2	66.6667	ND	72.2	52 - 132	6.36	20	
Benzo(g,h,i)perylene	38.7213	5.0	0.80	66.6667	2.10133	54.9	35 - 162	8.14	20	
Benzo(k)fluoranthene	46.1927	5.0	0.70	66.6667	ND	69.3	18 - 153	9.65	20	
Chrysene	58.4120	5.0	0.61	66.6667	0.670000	86.6	25 - 160	6.71	20	
Dibenz(a,h)anthracene	32.9820	5.0	0.88	66.6667	ND	49.5	41 - 155	11.2	20	
Fluoranthene	51.7707	5.0	0.45	66.6667	0.871333	76.3	5 - 185	12.2	20	
Fluorene	44.9187	5.0	0.35	66.6667	ND	67.4	28 - 135	7.21	20	
Indeno(1,2,3-cd)pyrene	35.3380	5.0	0.82	66.6667	ND	53.0	36 - 162	11.7	20	
Naphthalene	40.5100	5.0	0.56	66.6667	ND	60.8	41 - 113	6.38	20	
Phenanthrene	50.2167	5.0	0.34	66.6667	0.726667	74.2	35 - 143	8.01	20	

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
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Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1140 - MSSEMI_S (continued)										
Matrix Spike Dup (B2C1140-MSD1) - Continued			**Source: 2200346-04**			Prepared: 3/14/2022 Analyzed: 3/16/2022				
Pyrene	52.5253	5.0	0.51	66.6667	1.04067	77.2	10 - 184	11.1	20	
Surrogate: 1,2-Dichlorobenzene-d4	*39.87*			*66.6667*		*59.8*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*47.13*			*66.6667*		*70.7*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*40.11*			*66.6667*		*60.2*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*59.72*			*66.6667*		*89.6*	*16 - 152*			

Certificate of Analysis

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Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1202 - GCVOA_S										
Blank (B2C1202-BLK1)						Prepared: 3/16/2022 Analyzed: 3/16/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6674*			*0.800000*		*83.4*	*47.6 - 121.18*			
LCS (B2C1202-BS1)						Prepared: 3/16/2022 Analyzed: 3/16/2022				
Gasoline Range Organics	5.44600	1.0	0.13	5.00000		109	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7036*			*0.800000*		*87.9*	*47.6 - 121.18*			
LCS Dup (B2C1202-BSD1)						Prepared: 3/16/2022 Analyzed: 3/16/2022				
Gasoline Range Organics	5.26100	1.0	0.13	5.00000		105	68.69 - 124.04	3.46	20	
Surrogate: 4-Bromofluorobenzene	*0.6656*			*0.800000*		*83.2*	*47.6 - 121.18*			
Matrix Spike (B2C1202-MS1)			**Source: 2200378-01**			Prepared: 3/16/2022 Analyzed: 3/16/2022				
Gasoline Range Organics	4.94900	1.0	0.13	5.00000	ND	99.0	37.92 - 128.32			
Surrogate: 4-Bromofluorobenzene	*0.8178*			*0.800000*		*102*	*47.6 - 121.18*			
Matrix Spike Dup (B2C1202-MSD1)			**Source: 2200378-01**			Prepared: 3/16/2022 Analyzed: 3/16/2022				
Gasoline Range Organics	4.71300	1.0	0.13	5.00000	ND	94.3	37.92 - 128.32	4.89	20	
Surrogate: 4-Bromofluorobenzene	*0.7876*			*0.800000*		*98.4*	*47.6 - 121.18*			

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Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1100 - EPA 3050B_S										
Blank (B2C1100-BLK1)						Prepared: 3/11/2022 Analyzed: 3/15/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1100-BS1)						Prepared: 3/11/2022 Analyzed: 3/15/2022				
Antimony	20.4625	2.0	0.51	25.0000		81.8	80 - 120			
Arsenic	20.5624	1.0	0.12	25.0000		82.2	80 - 120			
Barium	20.0775	1.0	0.12	25.0000		80.3	80 - 120			
Beryllium	21.1222	1.0	0.03	25.0100		84.5	80 - 120			
Cadmium	21.2334	1.0	0.14	25.0000		84.9	80 - 120			
Chromium	20.6337	1.0	0.26	25.0000		82.5	80 - 120			
Cobalt	21.1851	1.0	0.07	25.0000		84.7	80 - 120			
Copper	21.3843	2.0	0.19	25.0000		85.5	80 - 120			
Lead	21.5320	1.0	0.18	25.0000		86.1	80 - 120			
Molybdenum	21.6946	1.0	0.12	25.0000		86.8	80 - 120			
Nickel	22.5332	1.0	0.18	25.0000		90.1	80 - 120			
Selenium	21.1862	1.0	0.40	25.0000		84.7	80 - 120			
Silver	10.6512	1.0	0.12	12.5000		85.2	80 - 120			
Thallium	20.4427	1.0	0.38	25.0000		81.8	80 - 120			
Vanadium	20.0329	1.0	0.06	25.0000		80.1	80 - 120			
Zinc	22.6352	1.0	0.15	25.0000		90.5	80 - 120			
Matrix Spike (B2C1100-MS1)			**Source: 2200322-04**			Prepared: 3/11/2022 Analyzed: 3/15/2022				
Antimony	8.79078	2.0	0.51	25.0000	ND	35.2	0 - 102			
Arsenic	16.8502	1.0	0.12	25.0000	2.37214	57.9	55 - 117			
Barium	57.8280	1.0	0.12	25.0000	54.0302	15.2	11 - 177			
Beryllium	14.9244	1.0	0.03	25.0100	0.813648	56.4	64 - 115			M2
Cadmium	16.8756	1.0	0.14	25.0000	0.191288	66.7	62 - 116			
Chromium	22.1094	1.0	0.26	25.0000	7.49699	58.4	42 - 145			
Cobalt	17.7685	1.0	0.07	25.0000	2.99648	59.1	60 - 126			M2
Copper	23.2764	2.0	0.19	25.0000	6.91826	65.4	37 - 163			
Lead	18.1189	1.0	0.18	25.0000	2.56672	62.2	26 - 161			

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1100 - EPA 3050B_S (continued)										
Matrix Spike (B2C1100-MS1) - Continued			**Source: 2200322-04**			Prepared: 3/11/2022 Analyzed: 3/15/2022				
Molybdenum	14.8154	1.0	0.12	25.0000	0.144314	58.7	31 - 122			
Nickel	18.7633	1.0	0.18	25.0000	4.40961	57.4	52 - 130			
Selenium	15.8247	1.0	0.40	25.0000	ND	63.3	25 - 129			
Silver	8.85761	1.0	0.12	12.5000	1.19312	61.3	48 - 133			
Thallium	14.1448	1.0	0.38	25.0000	ND	56.6	25 - 119			
Vanadium	27.6038	1.0	0.06	25.0000	11.2511	65.4	51 - 141			
Zinc	37.3704	1.0	0.15	25.0000	24.7746	50.4	8 - 170			
Matrix Spike Dup (B2C1100-MSD1)			**Source: 2200322-04**			Prepared: 3/11/2022 Analyzed: 3/15/2022				
Antimony	8.64612	2.0	0.51	25.0000	ND	34.6	0 - 102	1.66	20	
Arsenic	16.5945	1.0	0.12	25.0000	2.37214	56.9	55 - 117	1.53	20	
Barium	57.0066	1.0	0.12	25.0000	54.0302	11.9	11 - 177	1.43	20	
Beryllium	14.8211	1.0	0.03	25.0100	0.813648	56.0	64 - 115	0.694	20	M2
Cadmium	16.7689	1.0	0.14	25.0000	0.191288	66.3	62 - 116	0.635	20	
Chromium	21.7150	1.0	0.26	25.0000	7.49699	56.9	42 - 145	1.80	20	
Cobalt	17.6860	1.0	0.07	25.0000	2.99648	58.8	60 - 126	0.466	20	M2
Copper	22.3663	2.0	0.19	25.0000	6.91826	61.8	37 - 163	3.99	20	
Lead	17.7213	1.0	0.18	25.0000	2.56672	60.6	26 - 161	2.22	20	
Molybdenum	14.8492	1.0	0.12	25.0000	0.144314	58.8	31 - 122	0.228	20	
Nickel	19.0605	1.0	0.18	25.0000	4.40961	58.6	52 - 130	1.57	20	
Selenium	15.2321	1.0	0.40	25.0000	ND	60.9	25 - 129	3.82	20	
Silver	8.74696	1.0	0.12	12.5000	1.19312	60.4	48 - 133	1.26	20	
Thallium	14.0381	1.0	0.38	25.0000	ND	56.2	25 - 119	0.757	20	
Vanadium	27.1307	1.0	0.06	25.0000	11.2511	63.5	51 - 141	1.73	20	
Zinc	36.6038	1.0	0.15	25.0000	24.7746	47.3	8 - 170	2.07	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1102 - EPA 3050B_S										
Blank (B2C1102-BLK1)						Prepared: 3/11/2022 Analyzed: 3/14/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1102-BS1)						Prepared: 3/11/2022 Analyzed: 3/14/2022				
Antimony	23.6558	2.0	0.51	25.0000		94.6	80 - 120			
Arsenic	23.9307	1.0	0.12	25.0000		95.7	80 - 120			
Barium	22.8064	1.0	0.12	25.0000		91.2	80 - 120			
Beryllium	24.4047	1.0	0.03	25.0100		97.6	80 - 120			
Cadmium	24.6519	1.0	0.14	25.0000		98.6	80 - 120			
Chromium	23.7661	1.0	0.26	25.0000		95.1	80 - 120			
Cobalt	24.8590	1.0	0.07	25.0000		99.4	80 - 120			
Copper	24.4353	2.0	0.19	25.0000		97.7	80 - 120			
Lead	24.4526	1.0	0.18	25.0000		97.8	80 - 120			
Molybdenum	24.8796	1.0	0.12	25.0000		99.5	80 - 120			
Nickel	25.1506	1.0	0.18	25.0000		101	80 - 120			
Selenium	24.6851	1.0	0.40	25.0000		98.7	80 - 120			
Silver	12.0081	1.0	0.12	12.5000		96.1	80 - 120			
Thallium	24.0665	1.0	0.38	25.0000		96.3	80 - 120			
Vanadium	23.2444	1.0	0.06	25.0000		93.0	80 - 120			
Zinc	25.1080	1.0	0.15	25.0000		100	80 - 120			
Matrix Spike (B2C1102-MS1)			**Source: 2200328-21**			Prepared: 3/11/2022 Analyzed: 3/14/2022				
Antimony	9.21143	2.0	0.51	25.0000	1.41540	31.2	0 - 102			
Arsenic	23.5456	1.0	0.12	25.0000	4.65197	75.6	55 - 117			
Barium	107.508	1.0	0.12	25.0000	101.221	25.1	11 - 177			
Beryllium	19.5037	1.0	0.03	25.0100	2.25292	69.0	64 - 115			
Cadmium	22.4060	1.0	0.14	25.0000	0.506388	87.6	62 - 116			
Chromium	61.4534	1.0	0.26	25.0000	46.6188	59.3	42 - 145			
Cobalt	24.0326	1.0	0.07	25.0000	8.09388	63.8	60 - 126			
Copper	49.3308	2.0	0.19	25.0000	27.0336	89.2	37 - 163			
Lead	25.7032	1.0	0.18	25.0000	6.03336	78.7	26 - 161			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1102 - EPA 3050B_S (continued)										
Matrix Spike (B2C1102-MS1) - Continued			**Source: 2200328-21**			Prepared: 3/11/2022 Analyzed: 3/14/2022				
Molybdenum	19.4970	1.0	0.12	25.0000	0.714266	75.1	31 - 122			
Nickel	42.5830	1.0	0.18	25.0000	28.0890	58.0	52 - 130			
Selenium	21.1675	1.0	0.40	25.0000	ND	84.7	25 - 129			
Silver	13.2822	1.0	0.12	12.5000	4.32922	71.6	48 - 133			
Thallium	18.5411	1.0	0.38	25.0000	ND	74.2	25 - 119			
Vanadium	58.0860	1.0	0.06	25.0000	43.3731	58.9	51 - 141			
Zinc	69.5846	1.0	0.15	25.0000	55.7168	55.5	8 - 170			
Matrix Spike Dup (B2C1102-MSD1)			**Source: 2200328-21**			Prepared: 3/11/2022 Analyzed: 3/14/2022				
Antimony	9.40524	2.0	0.51	25.0000	1.41540	32.0	0 - 102	2.08	20	
Arsenic	23.4952	1.0	0.12	25.0000	4.65197	75.4	55 - 117	0.214	20	
Barium	108.684	1.0	0.12	25.0000	101.221	29.9	11 - 177	1.09	20	
Beryllium	19.7832	1.0	0.03	25.0100	2.25292	70.1	64 - 115	1.42	20	
Cadmium	22.2099	1.0	0.14	25.0000	0.506388	86.8	62 - 116	0.879	20	
Chromium	62.3706	1.0	0.26	25.0000	46.6188	63.0	42 - 145	1.48	20	
Cobalt	23.7451	1.0	0.07	25.0000	8.09388	62.6	60 - 126	1.20	20	
Copper	46.6818	2.0	0.19	25.0000	27.0336	78.6	37 - 163	5.52	20	
Lead	25.8474	1.0	0.18	25.0000	6.03336	79.3	26 - 161	0.560	20	
Molybdenum	19.6938	1.0	0.12	25.0000	0.714266	75.9	31 - 122	1.00	20	
Nickel	42.0376	1.0	0.18	25.0000	28.0890	55.8	52 - 130	1.29	20	
Selenium	20.0188	1.0	0.40	25.0000	ND	80.1	25 - 129	5.58	20	
Silver	13.4008	1.0	0.12	12.5000	4.32922	72.6	48 - 133	0.889	20	
Thallium	18.5726	1.0	0.38	25.0000	ND	74.3	25 - 119	0.170	20	
Vanadium	59.1702	1.0	0.06	25.0000	43.3731	63.2	51 - 141	1.85	20	
Zinc	68.5878	1.0	0.15	25.0000	55.7168	51.5	8 - 170	1.44	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1180 - EPA 7471_S										
Blank (B2C1180-BLK1)						Prepared: 3/15/2022 Analyzed: 3/16/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1180-BS1)						Prepared: 3/15/2022 Analyzed: 3/16/2022				
Mercury	0.464104	0.10	0.01	0.416667		111	80 - 120			
Matrix Spike (B2C1180-MS1)			**Source: 2200346-01**			Prepared: 3/15/2022 Analyzed: 3/16/2022				
Mercury	0.404495	0.10	0.01	0.416667	0.018560	92.6	70 - 130			
Matrix Spike Dup (B2C1180-MSD1)			**Source: 2200346-01**			Prepared: 3/15/2022 Analyzed: 3/16/2022				
Mercury	0.412183	0.10	0.01	0.416667	0.018560	94.5	70 - 130	1.88	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1180 - EPA 7471_S									
Post Spike (B2C1180-PS1)			**Source: 2200346-01**		Prepared: 3/15/2022 Analyzed: 3/16/2022				
Mercury	0.004975		5.00000E-3	0.000223	95.0	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1116 - GCSEMI_DRO_S										
Blank (B2C1116-BLK1)						Prepared: 3/12/2022 Analyzed: 3/14/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*78.12*			*80.0000*		*97.7*	*62 - 141*			
LCS (B2C1116-BS1)						Prepared: 3/12/2022 Analyzed: 3/14/2022				
DRO	999.876	10	3.6	1000.00		100	56 - 139			
Surrogate: p-Terphenyl	*82.49*			*80.0000*		*103*	*62 - 141*			
Duplicate (B2C1116-DUP1)			**Source: 2200339-01**			Prepared: 3/12/2022 Analyzed: 3/14/2022				
DRO	44.2950	50	18		45.4600			2.60	20	
Surrogate: p-Terphenyl	*78.51*			*80.0000*		*98.1*	*62 - 141*			
Matrix Spike (B2C1116-MS1)			**Source: 2200346-02**			Prepared: 3/12/2022 Analyzed: 3/14/2022				
DRO	923.483	10	3.6	1000.00	7.04700	91.6	38 - 161			
Surrogate: p-Terphenyl	*95.88*			*80.0000*		*120*	*62 - 141*			
Matrix Spike Dup (B2C1116-MSD1)			**Source: 2200346-02**			Prepared: 3/12/2022 Analyzed: 3/14/2022				
DRO	878.587	10	3.6	1000.00	7.04700	87.2	38 - 161	4.98	20	
Surrogate: p-Terphenyl	*100.3*			*80.0000*		*125*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1158 - MSVOA_S										
Blank (B2C1158-BLK1)							Prepared: 3/15/2022 Analyzed: 3/15/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1158 - MSVOA_S (continued)										
Blank (B2C1158-BLK1) - Continued						Prepared: 3/15/2022 Analyzed: 3/15/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*79.94*			*50.0000*		*160*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.58*			*50.0000*		*103*	*50 - 146*			
Surrogate: Dibromofluoromethane	*57.33*			*50.0000*		*115*	*77 - 159*			
Surrogate: Toluene-d8	*55.39*			*50.0000*		*111*	*81 - 128*			
LCS (B2C1158-BS1)						Prepared: 3/15/2022 Analyzed: 3/15/2022				
1,1,1,2-Tetrachloroethane	46.6000	5.0	0.52	50.0000		93.2	84 - 123			
1,1,1-Trichloroethane	67.4100	5.0	0.26	50.0000		135	78 - 133			L5
1,1,2,2-Tetrachloroethane	41.5800	5.0	0.21	50.0000		83.2	63 - 127			
1,1,2-Trichloroethane	46.3000	5.0	0.40	50.0000		92.6	80 - 125			
1,1-Dichloroethane	53.2300	5.0	1.4	50.0000		106	77 - 128			
1,1-Dichloroethene	48.5100	5.0	1.9	50.0000		97.0	69 - 138			
1,1-Dichloropropene	47.8100	5.0	0.54	50.0000		95.6	80 - 133			
1,2,3-Trichloropropane	42.8600	5.0	0.40	50.0000		85.7	74 - 123			
1,2,3-Trichlorobenzene	46.4000	5.0	0.83	50.0000		92.8	79 - 133			
1,2,4-Trichlorobenzene	47.8500	5.0	0.80	50.0000		95.7	73 - 131			
1,2,4-Trimethylbenzene	47.3000	5.0	0.91	50.0000		94.6	86 - 137			
1,2-Dibromo-3-chloropropane	53.1700	10	1.1	50.0000		106	62 - 127			
1,2-Dibromoethane	45.4600	5.0	0.40	50.0000		90.9	83 - 126			
1,2-Dichlorobenzene	43.9500	5.0	0.21	50.0000		87.9	83 - 123			
1,2-Dichloroethane	64.8900	5.0	0.50	50.0000		130	76 - 128			L3

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1158 - MSVOA_S (continued)										
LCS (B2C1158-BS1) - Continued						Prepared: 3/15/2022 Analyzed: 3/15/2022				
1,2-Dichloropropane	44.5600	5.0	0.46	50.0000		89.1	77 - 121			
1,3,5-Trimethylbenzene	46.6800	5.0	0.70	50.0000		93.4	84 - 135			
1,3-Dichlorobenzene	42.1100	5.0	0.36	50.0000		84.2	81 - 126			
1,3-Dichloropropane	44.9900	5.0	0.49	50.0000		90.0	80 - 118			
1,4-Dichlorobenzene	43.9000	5.0	0.27	50.0000		87.8	80 - 124			
2,2-Dichloropropane	61.6100	5.0	0.28	50.0000		123	72 - 135			
2-Chlorotoluene	48.8800	5.0	0.53	50.0000		97.8	81 - 127			
4-Chlorotoluene	51.5000	5.0	0.40	50.0000		103	83 - 127			
4-Isopropyltoluene	48.3800	5.0	0.81	50.0000		96.8	82 - 143			
Benzene	50.4600	5.0	0.36	50.0000		101	84 - 123			
Bromobenzene	44.4700	5.0	0.62	50.0000		88.9	80 - 122			
Bromochloromethane	49.7100	5.0	0.30	50.0000		99.4	83 - 127			
Bromodichloromethane	56.9100	5.0	0.52	50.0000		114	82 - 123			
Bromoform	50.5800	5.0	1.4	50.0000		101	80 - 132			
Bromomethane	60.0100	5.0	2.5	50.0000		120	67 - 176			
Carbon disulfide	43.4300	5.0	0.94	50.0000		86.9	75 - 138			
Carbon tetrachloride	65.4400	5.0	0.73	50.0000		131	76 - 131			
Chlorobenzene	45.1900	5.0	0.42	50.0000		90.4	84 - 119			
Chloroethane	51.4400	5.0	1.5	50.0000		103	56 - 170			
Chloroform	56.8100	5.0	0.24	50.0000		114	78 - 129			
Chloromethane	40.6500	5.0	1.1	50.0000		81.3	63 - 141			
cis-1,2-Dichloroethene	70.2400	5.0	0.20	50.0000		140	83 - 125			L5
cis-1,3-Dichloropropene	46.7300	5.0	0.39	50.0000		93.5	76 - 129			
Di-isopropyl ether	45.4100	5.0	1.9	50.0000		90.8	73 - 132			
Dibromochloromethane	50.4800	5.0	0.81	50.0000		101	81 - 120			
Dibromomethane	51.4500	5.0	0.23	50.0000		103	79 - 124			
Dichlorodifluoromethane	53.5400	5.0	0.14	50.0000		107	18 - 199			
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138			MO
Ethyl Ether	545.160	50	17	500.000		109	74 - 128			
Ethyl tert-butyl ether	44.5500	5.0	0.85	50.0000		89.1	50 - 175			
Ethylbenzene	51.0200	5.0	0.43	50.0000		102	86 - 130			
Freon-113	51.3100	5.0	1.3	50.0000		103	66 - 132			
Hexachlorobutadiene	57.5000	5.0	0.40	50.0000		115	64 - 135			
Isopropylbenzene	47.4400	5.0	0.79	50.0000		94.9	80 - 133			
m,p-Xylene	103.010	10	0.98	100.000		103	89 - 133			
Methylene chloride	46.1200	5.0	2.2	50.0000		92.2	72 - 143			
MTBE	47.2700	5.0	0.81	50.0000		94.5	73 - 136			
n-Butylbenzene	49.5800	5.0	1.2	50.0000		99.2	76 - 144			
n-Propylbenzene	47.6900	5.0	0.78	50.0000		95.4	81 - 136			
Naphthalene	37.2600	5.0	1.1	50.0000		74.5	64 - 128			
o-Xylene	51.3300	5.0	0.67	50.0000		103	82 - 134			
sec-Butylbenzene	46.4100	5.0	0.63	50.0000		92.8	81 - 138			
Styrene	43.9200	5.0	0.45	50.0000		87.8	79 - 152			
tert-Amyl methyl ether	40.1900	5.0	1.1	50.0000		80.4	48 - 166			
tert-Butanol	219.290	100	11	250.000		87.7	48 - 148			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1158 - MSVOA_S (continued)										
LCS (B2C1158-BS1) - Continued						Prepared: 3/15/2022 Analyzed: 3/15/2022				
tert-Butylbenzene	46.9800	5.0	0.80	50.0000		94.0	81 - 135			
Tetrachloroethene	48.0500	5.0	0.31	50.0000		96.1	75 - 127			
Toluene	51.6200	5.0	0.27	50.0000		103	88 - 130			
trans-1,2-Dichloroethene	39.5400	5.0	0.56	50.0000		79.1	79 - 127			
trans-1,3-Dichloropropene	50.2000	5.0	0.59	50.0000		100	80 - 130			
Trichloroethene	49.4300	5.0	0.32	50.0000		98.9	83 - 126			
Trichlorofluoromethane	71.7100	5.0	1.0	50.0000		143	62 - 143			L4
Vinyl acetate	100.280	50	6.0	500.000		20.1	69 - 150			MO
Vinyl chloride	48.4900	5.0	0.92	50.0000		97.0	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*72.74*			*50.0000*		*145*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*54.78*			*50.0000*		*110*	*50 - 146*			
Surrogate: Dibromofluoromethane	*58.18*			*50.0000*		*116*	*77 - 159*			
Surrogate: Toluene-d8	*57.10*			*50.0000*		*114*	*81 - 128*			
LCS Dup (B2C1158-BSD1)						Prepared: 3/15/2022 Analyzed: 3/15/2022				
1,1,1,2-Tetrachloroethane	49.8600	5.0	0.52	50.0000		99.7	84 - 123	6.76	20	
1,1,1-Trichloroethane	69.2500	5.0	0.26	50.0000		138	78 - 133	2.69	20	L4
1,1,2,2-Tetrachloroethane	45.0500	5.0	0.21	50.0000		90.1	63 - 127	8.01	20	
1,1,2-Trichloroethane	47.2600	5.0	0.40	50.0000		94.5	80 - 125	2.05	20	
1,1-Dichloroethane	53.2600	5.0	1.4	50.0000		107	77 - 128	0.0563	20	
1,1-Dichloroethene	50.3000	5.0	1.9	50.0000		101	69 - 138	3.62	20	
1,1-Dichloropropene	49.3300	5.0	0.54	50.0000		98.7	80 - 133	3.13	20	
1,2,3-Trichloropropane	47.7200	5.0	0.40	50.0000		95.4	74 - 123	10.7	20	
1,2,3-Trichlorobenzene	47.8800	5.0	0.83	50.0000		95.8	79 - 133	3.14	20	
1,2,4-Trichlorobenzene	48.8000	5.0	0.80	50.0000		97.6	73 - 131	1.97	20	
1,2,4-Trimethylbenzene	48.9400	5.0	0.91	50.0000		97.9	86 - 137	3.41	20	
1,2-Dibromo-3-chloropropane	61.1800	10	1.1	50.0000		122	62 - 127	14.0	20	
1,2-Dibromoethane	47.5400	5.0	0.40	50.0000		95.1	83 - 126	4.47	20	
1,2-Dichlorobenzene	45.2900	5.0	0.21	50.0000		90.6	83 - 123	3.00	20	
1,2-Dichloroethane	67.7700	5.0	0.50	50.0000		136	76 - 128	4.34	20	L4
1,2-Dichloropropane	47.3700	5.0	0.46	50.0000		94.7	77 - 121	6.11	20	
1,3,5-Trimethylbenzene	48.3900	5.0	0.70	50.0000		96.8	84 - 135	3.60	20	
1,3-Dichlorobenzene	44.3700	5.0	0.36	50.0000		88.7	81 - 126	5.23	20	
1,3-Dichloropropane	48.2400	5.0	0.49	50.0000		96.5	80 - 118	6.97	20	
1,4-Dichlorobenzene	44.6600	5.0	0.27	50.0000		89.3	80 - 124	1.72	20	
2,2-Dichloropropane	61.8300	5.0	0.28	50.0000		124	72 - 135	0.356	20	
2-Chlorotoluene	52.8500	5.0	0.53	50.0000		106	81 - 127	7.80	20	
4-Chlorotoluene	53.2400	5.0	0.40	50.0000		106	83 - 127	3.32	20	
4-Isopropyltoluene	47.1100	5.0	0.81	50.0000		94.2	82 - 143	2.66	20	
Benzene	50.8300	5.0	0.36	50.0000		102	84 - 123	0.731	20	
Bromobenzene	46.3100	5.0	0.62	50.0000		92.6	80 - 122	4.05	20	
Bromochloromethane	51.4500	5.0	0.30	50.0000		103	83 - 127	3.44	20	
Bromodichloromethane	59.9100	5.0	0.52	50.0000		120	82 - 123	5.14	20	
Bromoform	55.8300	5.0	1.4	50.0000		112	80 - 132	9.87	20	
Bromomethane	59.5900	5.0	2.5	50.0000		119	67 - 176	0.702	20	

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1158 - MSVOA_S (continued)										
LCS Dup (B2C1158-BSD1) - Continued					Prepared: 3/15/2022 Analyzed: 3/15/2022					
Carbon disulfide	45.2800	5.0	0.94	50.0000		90.6	75 - 138	4.17	20	
Carbon tetrachloride	65.1900	5.0	0.73	50.0000		130	76 - 131	0.383	20	
Chlorobenzene	46.5000	5.0	0.42	50.0000		93.0	84 - 119	2.86	20	
Chloroethane	54.6400	5.0	1.5	50.0000		109	56 - 170	6.03	20	
Chloroform	59.0900	5.0	0.24	50.0000		118	78 - 129	3.93	20	
Chloromethane	43.6200	5.0	1.1	50.0000		87.2	63 - 141	7.05	20	
cis-1,2-Dichloroethene	72.6400	5.0	0.20	50.0000		145	83 - 125	3.36	20	L5
cis-1,3-Dichloropropene	49.1900	5.0	0.39	50.0000		98.4	76 - 129	5.13	20	
Di-isopropyl ether	46.5200	5.0	1.9	50.0000		93.0	73 - 132	2.41	20	
Dibromochloromethane	53.4700	5.0	0.81	50.0000		107	81 - 120	5.75	20	
Dibromomethane	53.7100	5.0	0.23	50.0000		107	79 - 124	4.30	20	
Dichlorodifluoromethane	52.6500	5.0	0.14	50.0000		105	18 - 199	1.68	20	
Ethyl Acetate	24.4200	50	7.0	500.000		4.88	76 - 138	NR	20	MO
Ethyl Ether	582.230	50	17	500.000		116	74 - 128	6.58	20	
Ethyl tert-butyl ether	51.2700	5.0	0.85	50.0000		103	50 - 175	14.0	20	
Ethylbenzene	53.4000	5.0	0.43	50.0000		107	86 - 130	4.56	20	
Freon-113	49.7700	5.0	1.3	50.0000		99.5	66 - 132	3.05	20	
Hexachlorobutadiene	54.3600	5.0	0.40	50.0000		109	64 - 135	5.61	20	
Isopropylbenzene	48.7700	5.0	0.79	50.0000		97.5	80 - 133	2.76	20	
m,p-Xylene	104.700	10	0.98	100.000		105	89 - 133	1.63	20	
Methylene chloride	47.6600	5.0	2.2	50.0000		95.3	72 - 143	3.28	20	
MTBE	52.5500	5.0	0.81	50.0000		105	73 - 136	10.6	20	
n-Butylbenzene	50.5600	5.0	1.2	50.0000		101	76 - 144	1.96	20	
n-Propylbenzene	49.3000	5.0	0.78	50.0000		98.6	81 - 136	3.32	20	
Naphthalene	41.3900	5.0	1.1	50.0000		82.8	64 - 128	10.5	20	
o-Xylene	54.5000	5.0	0.67	50.0000		109	82 - 134	5.99	20	
sec-Butylbenzene	47.3200	5.0	0.63	50.0000		94.6	81 - 138	1.94	20	
Styrene	46.3900	5.0	0.45	50.0000		92.8	79 - 152	5.47	20	
tert-Amyl methyl ether	48.1700	5.0	1.1	50.0000		96.3	48 - 166	18.1	20	
tert-Butanol	236.510	100	11	250.000		94.6	48 - 148	7.56	20	
tert-Butylbenzene	47.8000	5.0	0.80	50.0000		95.6	81 - 135	1.73	20	
Tetrachloroethene	50.4700	5.0	0.31	50.0000		101	75 - 127	4.91	20	
Toluene	53.3300	5.0	0.27	50.0000		107	88 - 130	3.26	20	
trans-1,2-Dichloroethene	42.0900	5.0	0.56	50.0000		84.2	79 - 127	6.25	20	
trans-1,3-Dichloropropene	53.9600	5.0	0.59	50.0000		108	80 - 130	7.22	20	
Trichloroethene	49.4900	5.0	0.32	50.0000		99.0	83 - 126	0.121	20	
Trichlorofluoromethane	71.5100	5.0	1.0	50.0000		143	62 - 143	0.279	20	L4
Vinyl acetate	105.930	50	6.0	500.000		21.2	69 - 150	5.48	20	MO
Vinyl chloride	50.1500	5.0	0.92	50.0000		100	69 - 140	3.37	20	
Surrogate: 1,2-Dichloroethane-d4	*75.55*			*50.0000*		*151*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*58.10*			*50.0000*		*116*	*50 - 146*			
Surrogate: Dibromofluoromethane	*58.24*			*50.0000*		*116*	*77 - 159*			
Surrogate: Toluene-d8	*57.26*			*50.0000*		*115*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD 3.5

Date: 3/10/22

Page 1 of 2

2200346

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) Tiam Novin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	68-22-Shed1-2-1	3/10/22	0822	soil	1	1			X									
2	68-22-Shed1-2-5.5		0830		5	1	4			X	X	X						
3	61W-37-1-1		0935		1	1			X									
4	61W-37-1-5.5		1000		5	1	4			X	X	X		X				
5	61W-37-2-1		1035		1	1			X									
6	61W-37-2-5.5		1044		5	1	4			X	X	X		X				
7	61W-38-1-1		1115		1	1			X									
8	61W-38-1-5.5		1130		5	1	4			X	X	X		X				
9	61W-38-2-1		1154		1	1			X									
10	61W-38-2-5.5		1205		5	1	4			X	X	X		X				
11	61W-39-1-1		1300		1	1			X									
12	61W-39-1-5.5		1305		5	1	4			X	X	X		X				
13	61W-39-2-1		1325		1	1			X									
14	61W-39-2-5.5		1336		5	1	4			X	X	X		X				
15	61W-39-3-1	↓	1405	↓	1	1			X									

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/10/22	Time: 1540
Relinquished by: (Signature) 3/10/22 17:42	Received by: (Signature) ATL Ethan Tran	Date: 3/10/22	Time: 17:42
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 3/10/22
Page 2 of 2

2200346

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tiam Navin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
16	GIW-39-3-5.5	3/10/22	1413	Soil	5	1	4			X	X	X		X				
17	TB_20220310	3/10/22	1418	water	4		4											X

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/10/22	Time: 1540
Relinquished by: (Signature) 3/10/22 1735	Received by: (Signature) ATL Ethan Tran	Date: 3/10/22	Time: 17:43
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 21, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200353
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 11, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,



Christine Caballero, Client Relations Manager
Christine.Caballero@atlglobal.com
Authorized to Release on 03/21/22 20:35 on Behalf of



Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so
.
The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-10-2-1	2200353-01	Soil	3/11/22 7:50	3/11/22 16:56
61W-10-2-5.5	2200353-02	Soil	3/11/22 8:00	3/11/22 16:56
61W-10-1-1	2200353-03	Soil	3/11/22 8:30	3/11/22 16:56
61W-10-1-5.5	2200353-04	Soil	3/11/22 8:40	3/11/22 16:56
61W-24-2-1	2200353-05	Soil	3/11/22 9:34	3/11/22 16:56
61W-24-2-5.5	2200353-06	Soil	3/11/22 9:42	3/11/22 16:56
61W-24-3-1	2200353-07	Soil	3/11/22 10:03	3/11/22 16:56
61W-24-3-5.5	2200353-08	Soil	3/11/22 10:12	3/11/22 16:56
61W-24-4-1	2200353-09	Soil	3/11/22 10:40	3/11/22 16:56
61W-24-4-5.5	2200353-10	Soil	3/11/22 10:54	3/11/22 16:56
61W-24-5-1	2200353-11	Soil	3/11/22 11:26	3/11/22 16:56
61W-24-5-5.5	2200353-12	Soil	3/11/22 11:38	3/11/22 16:56
61W-24-6-1	2200353-13	Soil	3/11/22 12:10	3/11/22 16:56
61W-24-6-5.5	2200353-14	Soil	3/11/22 12:28	3/11/22 16:56
TB_20220211	2200353-15	Water	3/10/22 13:11	3/11/22 16:56
61W-26-1-1	2200353-16	Soil	3/11/22 13:15	3/11/22 16:56
61W-26-1-5.5	2200353-17	Soil	3/11/22 13:22	3/11/22 16:56

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Notes and Definitions

MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200353-01	61W-10-2-1	**ND**	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22 11:33	
2200353-03	61W-10-1-1	**ND**	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22 11:36	
2200353-05	61W-24-2-1	**ND**	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22 11:39	
2200353-07	61W-24-3-1	**ND**	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22 11:42	
2200353-09	61W-24-4-1	**ND**	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22 11:50	
2200353-11	61W-24-5-1	**ND**	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22 11:53	
2200353-13	61W-24-6-1	**ND**	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22 11:56	
2200353-16	61W-26-1-1	**0.21**	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22 11:59	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-10-2-1

Lab ID: 2200353-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Arsenic	**1.6**	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Barium	**90**	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Beryllium	**2.5**	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Chromium	**14**	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Cobalt	**5.4**	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Copper	**10**	2.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Lead	**6.2**	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Nickel	**6.4**	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Silver	**5.7**	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Vanadium	**32**	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Zinc	**40**	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-10-2-5.5

Lab ID: 2200353-02

Hydrocarbon Chain Distribution by EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 21:31	
C23-C32	**13**	10	1	B2C1174	03/15/2022	03/15/22 21:31	
Surrogate: p-Terphenyl	*96.2 %*	*62 - 141*		B2C1174	03/15/2022	*03/15/22 21:31*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,1,1-Trichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,1,2-Trichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,1-Dichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,1-Dichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,1-Dichloropropene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2,3-Trichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2-Dibromoethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2-Dichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2-Dichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2-Dichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,3-Dichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,3-Dichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,4-Dichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
2,2-Dichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
2-Chlorotoluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
4-Chlorotoluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
4-Isopropyltoluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Benzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Bromobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Bromochloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Bromodichloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Bromoform	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Bromomethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Carbon disulfide	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Carbon tetrachloride	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-10-2-5.5

Lab ID: 2200353-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Chloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Chloroform	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Chloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Di-isopropyl ether	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Dibromochloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Dibromomethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Dichlorodifluoromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Ethyl Acetate	ND	44	1	B2C1186	03/16/2022	03/16/22 19:17	
Ethyl Ether	ND	44	1	B2C1186	03/16/2022	03/16/22 19:17	
Ethyl tert-butyl ether	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Ethylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Freon-113	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Hexachlorobutadiene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Isopropylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
m,p-Xylene	ND	8.8	1	B2C1186	03/16/2022	03/16/22 19:17	
Methylene chloride	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
MTBE	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
n-Butylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
n-Propylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Naphthalene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
o-Xylene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
sec-Butylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Styrene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
tert-Amyl methyl ether	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
tert-Butanol	ND	88	1	B2C1186	03/16/2022	03/16/22 19:17	
tert-Butylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Tetrachloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Toluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Trichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Trichlorofluoromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Vinyl acetate	ND	44	1	B2C1186	03/16/2022	03/16/22 19:17	
Vinyl chloride	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Surrogate: 1,2-Dichloroethane-d4	*155 %*	*66 - 200*		B2C1186	03/16/2022	*03/16/22 19:17*	
Surrogate: 4-Bromofluorobenzene	*96.1 %*	*50 - 146*		B2C1186	03/16/2022	*03/16/22 19:17*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-10-2-5.5
Lab ID: 2200353-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*132 %*	*77 - 159*		B2C1186	03/16/2022	*03/16/22 19:17*	
Surrogate: Toluene-d8	*96.3 %*	*81 - 128*		B2C1186	03/16/2022	*03/16/22 19:17*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.89	1	B2C1244	03/18/2022	03/18/22 23:02	
Surrogate: 4-Bromofluorobenzene	*97.7 %*	*47.6 - 121.18*		B2C1244	03/18/2022	*03/18/22 23:02*	

Client Sample ID: 61W-10-1-1
Lab ID: 2200353-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Arsenic	**1.3**	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Barium	**85**	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Beryllium	**2.4**	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Chromium	**14**	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Cobalt	**5.2**	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Copper	**9.2**	2.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Lead	**6.1**	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Nickel	**6.2**	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Silver	**5.3**	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Vanadium	**31**	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Zinc	**41**	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-10-1-5.5
Lab ID: 2200353-04

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 21:51	
C23-C32	**14**	10	1	B2C1174	03/15/2022	03/15/22 21:51	
Surrogate: p-Terphenyl	*90.6 %*	*62 - 141*		B2C1174	03/15/2022	*03/15/22 21:51*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,1,1-Trichloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,1,2-Trichloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,1-Dichloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,1-Dichloroethene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,1-Dichloropropene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2,3-Trichloropropane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2-Dibromoethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2-Dichlorobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2-Dichloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2-Dichloropropane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,3-Dichlorobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,3-Dichloropropane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,4-Dichlorobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
2,2-Dichloropropane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
2-Chlorotoluene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
4-Chlorotoluene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
4-Isopropyltoluene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Benzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Bromobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Bromochloromethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Bromodichloromethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Bromoform	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Bromomethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Carbon disulfide	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Carbon tetrachloride	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-10-1-5.5

Lab ID: 2200353-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Chloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Chloroform	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Chloromethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Di-isopropyl ether	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Dibromochloromethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Dibromomethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Dichlorodifluoromethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Ethyl Acetate	ND	43	1	B2C1186	03/16/2022	03/16/22 19:43	
Ethyl Ether	ND	43	1	B2C1186	03/16/2022	03/16/22 19:43	
Ethyl tert-butyl ether	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Ethylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Freon-113	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Hexachlorobutadiene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Isopropylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
m,p-Xylene	ND	8.7	1	B2C1186	03/16/2022	03/16/22 19:43	
Methylene chloride	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
MTBE	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
n-Butylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
n-Propylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Naphthalene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
o-Xylene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
sec-Butylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Styrene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
tert-Amyl methyl ether	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
tert-Butanol	ND	87	1	B2C1186	03/16/2022	03/16/22 19:43	
tert-Butylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Tetrachloroethene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Toluene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Trichloroethene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Trichlorofluoromethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Vinyl acetate	ND	43	1	B2C1186	03/16/2022	03/16/22 19:43	
Vinyl chloride	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Surrogate: 1,2-Dichloroethane-d4	*158 %*	*66 - 200*		B2C1186	03/16/2022	*03/16/22 19:43*	
Surrogate: 4-Bromofluorobenzene	*96.8 %*	*50 - 146*		B2C1186	03/16/2022	*03/16/22 19:43*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-10-1-5.5

Lab ID: 2200353-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*133 %*	*77 - 159*		B2C1186	03/16/2022	*03/16/22 19:43*	
Surrogate: Toluene-d8	*97.8 %*	*81 - 128*		B2C1186	03/16/2022	*03/16/22 19:43*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.84	1	B2C1244	03/18/2022	03/18/22 23:27	
Surrogate: 4-Bromofluorobenzene	*98.6 %*	*47.6 - 121.18*		B2C1244	03/18/2022	*03/18/22 23:27*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-2-1
Lab ID: 2200353-05

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Arsenic	**1.3**	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Barium	**95**	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Beryllium	**2.6**	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Chromium	**13**	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Cobalt	**5.2**	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Copper	**8.8**	2.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Lead	**4.3**	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Nickel	**6.0**	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Silver	**5.6**	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Vanadium	**32**	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Zinc	**41**	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	

Polychlorinated Biphenyls by EPA 8082

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Aroclor 1221	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Aroclor 1232	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Aroclor 1242	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Aroclor 1248	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Aroclor 1254	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Aroclor 1260	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Surrogate: Decachlorobiphenyl	*59.1 %*	*0 - 87*		B2C1167	03/15/2022	*03/15/22 19:06*	
Surrogate: Tetrachloro-m-xylene	*57.7 %*	*0 - 103*		B2C1167	03/15/2022	*03/15/22 19:06*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-2-5.5
Lab ID: 2200353-06

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 22:09	
C23-C32	**14**	10	1	B2C1174	03/15/2022	03/15/22 22:09	
Surrogate: p-Terphenyl	*85.9 %*	*62 - 141*		B2C1174	03/15/2022	*03/15/22 22:09*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,1,1-Trichloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,1,2-Trichloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,1-Dichloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,1-Dichloroethene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,1-Dichloropropene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2,3-Trichloropropane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2-Dibromo-3-chloropropane	ND	8.3	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2-Dibromoethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2-Dichlorobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2-Dichloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2-Dichloropropane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,3-Dichlorobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,3-Dichloropropane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,4-Dichlorobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
2,2-Dichloropropane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
2-Chlorotoluene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
4-Chlorotoluene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
4-Isopropyltoluene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Benzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Bromobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Bromochloromethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Bromodichloromethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Bromoform	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Bromomethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Carbon disulfide	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Carbon tetrachloride	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-2-5.5

Lab ID: 2200353-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Chloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Chloroform	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Chloromethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Di-isopropyl ether	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Dibromochloromethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Dibromomethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Dichlorodifluoromethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Ethyl Acetate	ND	42	1	B2C1186	03/16/2022	03/16/22 20:09	
Ethyl Ether	ND	42	1	B2C1186	03/16/2022	03/16/22 20:09	
Ethyl tert-butyl ether	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Ethylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Freon-113	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Hexachlorobutadiene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Isopropylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
m,p-Xylene	ND	8.3	1	B2C1186	03/16/2022	03/16/22 20:09	
Methylene chloride	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
MTBE	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
n-Butylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
n-Propylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Naphthalene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
o-Xylene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
sec-Butylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Styrene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
tert-Amyl methyl ether	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
tert-Butanol	ND	83	1	B2C1186	03/16/2022	03/16/22 20:09	
tert-Butylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Tetrachloroethene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Toluene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Trichloroethene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Trichlorofluoromethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Vinyl acetate	ND	42	1	B2C1186	03/16/2022	03/16/22 20:09	
Vinyl chloride	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Surrogate: 1,2-Dichloroethane-d4	*150 %*	*66 - 200*		B2C1186	03/16/2022	*03/16/22 20:09*	
Surrogate: 4-Bromofluorobenzene	*95.3 %*	*50 - 146*		B2C1186	03/16/2022	*03/16/22 20:09*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-2-5.5

Lab ID: 2200353-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*129 %*	*77 - 159*		B2C1186	03/16/2022	*03/16/22 20:09*	
Surrogate: Toluene-d8	*94.8 %*	*81 - 128*		B2C1186	03/16/2022	*03/16/22 20:09*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.83	1	B2C1244	03/18/2022	03/18/22 23:52	
Surrogate: 4-Bromofluorobenzene	*99.7 %*	*47.6 - 121.18*		B2C1244	03/18/2022	*03/18/22 23:52*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-3-1
Lab ID: 2200353-07

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Arsenic	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Barium	**110**	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Beryllium	**2.9**	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Chromium	**14**	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Cobalt	**5.8**	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Copper	**11**	2.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Lead	**2.1**	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Nickel	**6.6**	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Silver	**6.4**	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Vanadium	**34**	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Zinc	**39**	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	

Polychlorinated Biphenyls by EPA 8082

Analyst: KL

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016		ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Aroclor 1221		ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Aroclor 1232		ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Aroclor 1242		ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Aroclor 1248		ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Aroclor 1254		ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Aroclor 1260		ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Surrogate: Decachlorobiphenyl	*57.0 %*		*0 - 87*		B2C1167	03/15/2022	*03/15/22 19:25*	
Surrogate: Tetrachloro-m-xylene	*54.2 %*		*0 - 103*		B2C1167	03/15/2022	*03/15/22 19:25*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-3-5.5
Lab ID: 2200353-08

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 22:28	
C23-C32	**15**	10	1	B2C1174	03/15/2022	03/15/22 22:28	
Surrogate: p-Terphenyl	*99.9 %*	*62 - 141*		B2C1174	03/15/2022	*03/15/22 22:28*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,1,1-Trichloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,1,2-Trichloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,1-Dichloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,1-Dichloroethene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,1-Dichloropropene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2,3-Trichloropropane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2-Dibromoethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2-Dichlorobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2-Dichloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2-Dichloropropane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,3-Dichlorobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,3-Dichloropropane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,4-Dichlorobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
2,2-Dichloropropane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
2-Chlorotoluene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
4-Chlorotoluene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
4-Isopropyltoluene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Benzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Bromobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Bromochloromethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Bromodichloromethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Bromoform	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Bromomethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Carbon disulfide	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Carbon tetrachloride	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-3-5.5

Lab ID: 2200353-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Chloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Chloroform	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Chloromethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Di-isopropyl ether	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Dibromochloromethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Dibromomethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Dichlorodifluoromethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Ethyl Acetate	ND	46	1	B2C1186	03/16/2022	03/16/22 20:35	
Ethyl Ether	ND	46	1	B2C1186	03/16/2022	03/16/22 20:35	
Ethyl tert-butyl ether	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Ethylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Freon-113	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Hexachlorobutadiene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Isopropylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
m,p-Xylene	ND	9.1	1	B2C1186	03/16/2022	03/16/22 20:35	
Methylene chloride	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
MTBE	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
n-Butylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
n-Propylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Naphthalene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
o-Xylene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
sec-Butylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Styrene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
tert-Amyl methyl ether	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
tert-Butanol	ND	91	1	B2C1186	03/16/2022	03/16/22 20:35	
tert-Butylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Tetrachloroethene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Toluene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Trichloroethene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Trichlorofluoromethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Vinyl acetate	ND	46	1	B2C1186	03/16/2022	03/16/22 20:35	
Vinyl chloride	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Surrogate: 1,2-Dichloroethane-d4	*145 %*	*66 - 200*		B2C1186	03/16/2022	*03/16/22 20:35*	
Surrogate: 4-Bromofluorobenzene	*93.3 %*	*50 - 146*		B2C1186	03/16/2022	*03/16/22 20:35*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-3-5.5

Lab ID: 2200353-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*121 %*	*77 - 159*		B2C1186	03/16/2022	*03/16/22 20:35*	
Surrogate: Toluene-d8	*91.5 %*	*81 - 128*		B2C1186	03/16/2022	*03/16/22 20:35*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.88	1	B2C1244	03/18/2022	03/19/22 00:16	
Surrogate: 4-Bromofluorobenzene	*96.0 %*	*47.6 - 121.18*		B2C1244	03/18/2022	*03/19/22 00:16*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-4-1
Lab ID: 2200353-09

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Arsenic	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Barium	**110**	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Beryllium	**2.9**	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Chromium	**15**	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Cobalt	**6.2**	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Copper	**11**	2.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Lead	**2.9**	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Nickel	**7.0**	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Silver	**6.4**	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Vanadium	**35**	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Zinc	**42**	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	

Polychlorinated Biphenyls by EPA 8082

Analyst: KL

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016		ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Aroclor 1221		ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Aroclor 1232		ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Aroclor 1242		ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Aroclor 1248		ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Aroclor 1254		ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Aroclor 1260		ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Surrogate: Decachlorobiphenyl	*55.3 %*		*0 - 87*		B2C1167	03/15/2022	*03/15/22 19:44*	
Surrogate: Tetrachloro-m-xylene	*50.8 %*		*0 - 103*		B2C1167	03/15/2022	*03/15/22 19:44*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-4-5.5
Lab ID: 2200353-10

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 22:48	
C23-C32	**16**	10	1	B2C1174	03/15/2022	03/15/22 22:48	
Surrogate: p-Terphenyl	*100 %*	*62 - 141*		B2C1174	03/15/2022	*03/15/22 22:48*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,1,1-Trichloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,1,2-Trichloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,1-Dichloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,1-Dichloroethene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,1-Dichloropropene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2,3-Trichloropropane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2-Dibromo-3-chloropropane	ND	9.0	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2-Dibromoethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2-Dichlorobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2-Dichloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2-Dichloropropane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,3-Dichlorobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,3-Dichloropropane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,4-Dichlorobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
2,2-Dichloropropane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
2-Chlorotoluene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
4-Chlorotoluene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
4-Isopropyltoluene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Benzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Bromobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Bromochloromethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Bromodichloromethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Bromoform	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Bromomethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Carbon disulfide	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Carbon tetrachloride	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-4-5.5

Lab ID: 2200353-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Chloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Chloroform	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Chloromethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Di-isopropyl ether	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Dibromochloromethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Dibromomethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Dichlorodifluoromethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Ethyl Acetate	ND	45	1	B2C1186	03/16/2022	03/16/22 21:01	
Ethyl Ether	ND	45	1	B2C1186	03/16/2022	03/16/22 21:01	
Ethyl tert-butyl ether	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Ethylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Freon-113	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Hexachlorobutadiene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Isopropylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
m,p-Xylene	ND	9.0	1	B2C1186	03/16/2022	03/16/22 21:01	
Methylene chloride	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
MTBE	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
n-Butylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
n-Propylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Naphthalene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
o-Xylene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
sec-Butylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Styrene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
tert-Amyl methyl ether	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
tert-Butanol	ND	90	1	B2C1186	03/16/2022	03/16/22 21:01	
tert-Butylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Tetrachloroethene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Toluene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Trichloroethene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Trichlorofluoromethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Vinyl acetate	ND	45	1	B2C1186	03/16/2022	03/16/22 21:01	
Vinyl chloride	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Surrogate: 1,2-Dichloroethane-d4	*136 %*	*66 - 200*		B2C1186	03/16/2022	*03/16/22 21:01*	
Surrogate: 4-Bromofluorobenzene	*92.3 %*	*50 - 146*		B2C1186	03/16/2022	*03/16/22 21:01*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-4-5.5

Lab ID: 2200353-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*118 %*	*77 - 159*		B2C1186	03/16/2022	*03/16/22 21:01*	
Surrogate: Toluene-d8	*93.3 %*	*81 - 128*		B2C1186	03/16/2022	*03/16/22 21:01*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.94	1	B2C1244	03/18/2022	03/19/22 00:41	
Surrogate: 4-Bromofluorobenzene	*95.9 %*	*47.6 - 121.18*		B2C1244	03/18/2022	*03/19/22 00:41*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-5-1
Lab ID: 2200353-11

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Arsenic	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Barium	**120**	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Beryllium	**3.0**	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Chromium	**16**	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Cobalt	**6.4**	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Copper	**11**	2.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Lead	**3.0**	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Nickel	**7.3**	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Silver	**6.8**	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Vanadium	**37**	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Zinc	**42**	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	

Polychlorinated Biphenyls by EPA 8082

Analyst: KL

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016		ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Aroclor 1221		ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Aroclor 1232		ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Aroclor 1242		ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Aroclor 1248		ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Aroclor 1254		ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Aroclor 1260		ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Surrogate: Decachlorobiphenyl	*58.5 %*		*0 - 87*		B2C1167	03/15/2022	*03/15/22 20:03*	
Surrogate: Tetrachloro-m-xylene	*46.2 %*		*0 - 103*		B2C1167	03/15/2022	*03/15/22 20:03*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-5-5.5
Lab ID: 2200353-12

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 23:06	
C23-C32	**15**	10	1	B2C1174	03/15/2022	03/15/22 23:06	
Surrogate: p-Terphenyl	*79.7 %*	*62 - 141*		B2C1174	03/15/2022	*03/15/22 23:06*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,1,1-Trichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,1,2-Trichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,1-Dichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,1-Dichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,1-Dichloropropene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2,3-Trichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2-Dibromoethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2-Dichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2-Dichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2-Dichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,3-Dichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,3-Dichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,4-Dichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
2,2-Dichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
2-Chlorotoluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
4-Chlorotoluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
4-Isopropyltoluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Benzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Bromobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Bromochloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Bromodichloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Bromoform	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Bromomethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Carbon disulfide	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Carbon tetrachloride	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-5-5.5

Lab ID: 2200353-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Chloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Chloroform	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Chloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Di-isopropyl ether	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Dibromochloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Dibromomethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Dichlorodifluoromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Ethyl Acetate	ND	44	1	B2C1186	03/16/2022	03/16/22 21:27	
Ethyl Ether	ND	44	1	B2C1186	03/16/2022	03/16/22 21:27	
Ethyl tert-butyl ether	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Ethylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Freon-113	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Hexachlorobutadiene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Isopropylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
m,p-Xylene	ND	8.8	1	B2C1186	03/16/2022	03/16/22 21:27	
Methylene chloride	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
MTBE	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
n-Butylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
n-Propylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Naphthalene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
o-Xylene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
sec-Butylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Styrene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
tert-Amyl methyl ether	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
tert-Butanol	ND	88	1	B2C1186	03/16/2022	03/16/22 21:27	
tert-Butylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Tetrachloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Toluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Trichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Trichlorofluoromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Vinyl acetate	ND	44	1	B2C1186	03/16/2022	03/16/22 21:27	
Vinyl chloride	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Surrogate: 1,2-Dichloroethane-d4	*154 %*	*66 - 200*		B2C1186	03/16/2022	*03/16/22 21:27*	
Surrogate: 4-Bromofluorobenzene	*97.4 %*	*50 - 146*		B2C1186	03/16/2022	*03/16/22 21:27*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-5-5.5

Lab ID: 2200353-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*131 %*	*77 - 159*		B2C1186	03/16/2022	*03/16/22 21:27*	
Surrogate: Toluene-d8	*94.7 %*	*81 - 128*		B2C1186	03/16/2022	*03/16/22 21:27*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1244	03/18/2022	03/19/22 01:05	
Surrogate: 4-Bromofluorobenzene	*103 %*	*47.6 - 121.18*		B2C1244	03/18/2022	*03/19/22 01:05*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-6-1
Lab ID: 2200353-13

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Arsenic	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Barium	**100**	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Beryllium	**2.7**	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Chromium	**14**	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Cobalt	**5.6**	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Copper	**11**	2.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Lead	**2.5**	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Nickel	**6.4**	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Silver	**5.7**	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Vanadium	**33**	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Zinc	**38**	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	

Polychlorinated Biphenyls by EPA 8082

Analyst: KL

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016		ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Aroclor 1221		ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Aroclor 1232		ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Aroclor 1242		ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Aroclor 1248		ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Aroclor 1254		ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Aroclor 1260		ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Surrogate: Decachlorobiphenyl	*65.0 %*		*0 - 87*		B2C1167	03/15/2022	*03/15/22 20:22*	
Surrogate: Tetrachloro-m-xylene	*58.0 %*		*0 - 103*		B2C1167	03/15/2022	*03/15/22 20:22*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-6-5.5
Lab ID: 2200353-14

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 23:26	
C23-C32	**15**	10	1	B2C1174	03/15/2022	03/15/22 23:26	
Surrogate: p-Terphenyl	*85.1 %*	*62 - 141*		B2C1174	03/15/2022	*03/15/22 23:26*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,1,1-Trichloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,1,2,2-Tetrachloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,1,2-Trichloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,1-Dichloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,1-Dichloroethene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,1-Dichloropropene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2,3-Trichloropropane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2,3-Trichlorobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2,4-Trichlorobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2,4-Trimethylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2-Dibromo-3-chloropropane	ND	7.0	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2-Dibromoethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2-Dichlorobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2-Dichloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2-Dichloropropane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,3,5-Trimethylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,3-Dichlorobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,3-Dichloropropane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,4-Dichlorobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
2,2-Dichloropropane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
2-Chlorotoluene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
4-Chlorotoluene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
4-Isopropyltoluene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Benzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Bromobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Bromochloromethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Bromodichloromethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Bromoform	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Bromomethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Carbon disulfide	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Carbon tetrachloride	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-6-5.5

Lab ID: 2200353-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Chloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Chloroform	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Chloromethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
cis-1,2-Dichloroethene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
cis-1,3-Dichloropropene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Di-isopropyl ether	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Dibromochloromethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Dibromomethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Dichlorodifluoromethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Ethyl Acetate	ND	35	1	B2C1186	03/16/2022	03/16/22 21:53	
Ethyl Ether	ND	35	1	B2C1186	03/16/2022	03/16/22 21:53	
Ethyl tert-butyl ether	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Ethylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Freon-113	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Hexachlorobutadiene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Isopropylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
m,p-Xylene	ND	7.0	1	B2C1186	03/16/2022	03/16/22 21:53	
Methylene chloride	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
MTBE	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
n-Butylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
n-Propylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Naphthalene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
o-Xylene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
sec-Butylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Styrene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
tert-Amyl methyl ether	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
tert-Butanol	ND	70	1	B2C1186	03/16/2022	03/16/22 21:53	
tert-Butylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Tetrachloroethene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Toluene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
trans-1,2-Dichloroethene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
trans-1,3-Dichloropropene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Trichloroethene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Trichlorofluoromethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Vinyl acetate	ND	35	1	B2C1186	03/16/2022	03/16/22 21:53	
Vinyl chloride	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Surrogate: 1,2-Dichloroethane-d4	*171 %*	*66 - 200*		B2C1186	03/16/2022	*03/16/22 21:53*	
Surrogate: 4-Bromofluorobenzene	*96.6 %*	*50 - 146*		B2C1186	03/16/2022	*03/16/22 21:53*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-24-6-5.5
Lab ID: 2200353-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*134 %*	*77 - 159*		B2C1186	03/16/2022	*03/16/22 21:53*	
Surrogate: Toluene-d8	*98.4 %*	*81 - 128*		B2C1186	03/16/2022	*03/16/22 21:53*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.78	1	B2C1244	03/18/2022	03/19/22 01:30	
Surrogate: 4-Bromofluorobenzene	*102 %*	*47.6 - 121.18*		B2C1244	03/18/2022	*03/19/22 01:30*	

Client Sample ID: 61W-26-1-1
Lab ID: 2200353-16

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Arsenic	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Barium	**100**	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Beryllium	**2.7**	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Chromium	**15**	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Cobalt	**5.5**	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Copper	**11**	2.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Lead	**2.7**	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Nickel	**6.6**	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Silver	**5.8**	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Vanadium	**31**	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Zinc	**38**	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-26-1-5.5
Lab ID: 2200353-17

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 23:45	
C23-C32	**15**	10	1	B2C1174	03/15/2022	03/15/22 23:45	
Surrogate: p-Terphenyl	*73.5 %*	*62 - 141*		B2C1174	03/15/2022	*03/15/22 23:45*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,1,1-Trichloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,1,2-Trichloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,1-Dichloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,1-Dichloroethene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,1-Dichloropropene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2,3-Trichloropropane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2,3-Trichlorobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2,4-Trichlorobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2,4-Trimethylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2-Dibromoethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2-Dichlorobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2-Dichloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2-Dichloropropane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,3,5-Trimethylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,3-Dichlorobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,3-Dichloropropane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,4-Dichlorobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
2,2-Dichloropropane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
2-Chlorotoluene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
4-Chlorotoluene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
4-Isopropyltoluene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Benzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Bromobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Bromochloromethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Bromodichloromethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Bromoform	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Bromomethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Carbon disulfide	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Carbon tetrachloride	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-26-1-5.5

Lab ID: 2200353-17

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Chloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Chloroform	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Chloromethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
cis-1,2-Dichloroethene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
cis-1,3-Dichloropropene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Di-isopropyl ether	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Dibromochloromethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Dibromomethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Dichlorodifluoromethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Ethyl Acetate	ND	37	1	B2C1186	03/16/2022	03/16/22 22:19	
Ethyl Ether	ND	37	1	B2C1186	03/16/2022	03/16/22 22:19	
Ethyl tert-butyl ether	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Ethylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Freon-113	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Hexachlorobutadiene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Isopropylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
m,p-Xylene	ND	7.3	1	B2C1186	03/16/2022	03/16/22 22:19	
Methylene chloride	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
MTBE	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
n-Butylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
n-Propylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Naphthalene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
o-Xylene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
sec-Butylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Styrene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
tert-Amyl methyl ether	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
tert-Butanol	ND	73	1	B2C1186	03/16/2022	03/16/22 22:19	
tert-Butylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Tetrachloroethene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Toluene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
trans-1,2-Dichloroethene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
trans-1,3-Dichloropropene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Trichloroethene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Trichlorofluoromethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Vinyl acetate	ND	37	1	B2C1186	03/16/2022	03/16/22 22:19	
Vinyl chloride	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Surrogate: 1,2-Dichloroethane-d4	*155 %*	*66 - 200*		B2C1186	03/16/2022	*03/16/22 22:19*	
Surrogate: 4-Bromofluorobenzene	*92.1 %*	*50 - 146*		B2C1186	03/16/2022	*03/16/22 22:19*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Client Sample ID: 61W-26-1-5.5

Lab ID: 2200353-17

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*129 %*	*77 - 159*		B2C1186	03/16/2022	*03/16/22 22:19*	
Surrogate: Toluene-d8	*92.4 %*	*81 - 128*		B2C1186	03/16/2022	*03/16/22 22:19*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.75	1	B2C1244	03/18/2022	03/19/22 01:55	
Surrogate: 4-Bromofluorobenzene	*101 %*	*47.6 - 121.18*		B2C1244	03/18/2022	*03/19/22 01:55*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

QUALITY CONTROL SECTION

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1244 - GCVOA_S										
Blank (B2C1244-BLK1)						Prepared: 3/18/2022 Analyzed: 3/18/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.7674*			*0.800000*		*95.9*	*47.6 - 121.18*			
LCS (B2C1244-BS1)						Prepared: 3/18/2022 Analyzed: 3/18/2022				
Gasoline Range Organics	6.08400	1.0	0.13	5.00000		122	58.69 - 124.0			
Surrogate: 4-Bromofluorobenzene	*0.8028*			*0.800000*		*100*	*47.6 - 121.18*			
LCS Dup (B2C1244-BSD1)						Prepared: 3/19/2022 Analyzed: 3/19/2022				
Gasoline Range Organics	5.27600	1.0	0.13	5.00000		106	58.69 - 124.0	14.2	20	
Surrogate: 4-Bromofluorobenzene	*0.7980*			*0.800000*		*99.8*	*47.6 - 121.18*			
Matrix Spike (B2C1244-MS1)			**Source: 2200312-09**			Prepared: 3/18/2022 Analyzed: 3/18/2022				
Gasoline Range Organics	6.75956	1.0	0.13	5.03018	ND	134	37.92 - 128.3			M2
Surrogate: 4-Bromofluorobenzene	*0.8596*			*0.800000*		*107*	*47.6 - 121.18*			
Matrix Spike Dup (B2C1244-MSD1)			**Source: 2200312-09**			Prepared: 3/18/2022 Analyzed: 3/18/2022				
Gasoline Range Organics	5.97289	1.0	0.13	5.02008	ND	119	37.92 - 128.3	12.4	20	
Surrogate: 4-Bromofluorobenzene	*0.8925*			*0.800000*		*112*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1220 - EPA 3050B_S										
Blank (B2C1220-BLK1)						Prepared: 3/17/2022 Analyzed: 3/17/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1220-BS1)						Prepared: 3/17/2022 Analyzed: 3/17/2022				
Antimony	25.1826	2.0	0.51	25.0000		101	80 - 120			
Arsenic	25.2311	1.0	0.12	25.0000		101	80 - 120			
Barium	24.4117	1.0	0.12	25.0000		97.6	80 - 120			
Beryllium	26.7038	1.0	0.03	25.0100		107	80 - 120			
Cadmium	25.5068	1.0	0.14	25.0000		102	80 - 120			
Chromium	25.0212	1.0	0.26	25.0000		100	80 - 120			
Cobalt	26.0232	1.0	0.07	25.0000		104	80 - 120			
Copper	24.5178	2.0	0.19	25.0000		98.1	80 - 120			
Lead	25.9287	1.0	0.18	25.0000		104	80 - 120			
Molybdenum	26.2236	1.0	0.12	25.0000		105	80 - 120			
Nickel	26.0319	1.0	0.18	25.0000		104	80 - 120			
Selenium	25.5412	1.0	0.40	25.0000		102	80 - 120			
Silver	11.7005	1.0	0.12	12.5000		93.6	80 - 120			
Thallium	23.4973	1.0	0.38	25.0000		94.0	80 - 120			
Vanadium	24.5439	1.0	0.06	25.0000		98.2	80 - 120			
Zinc	25.2119	1.0	0.15	25.0000		101	80 - 120			
Matrix Spike (B2C1220-MS1)			**Source: 2200353-01**			Prepared: 3/17/2022 Analyzed: 3/17/2022				
Antimony	14.9690	2.0	0.51	25.0000	0.785482	56.7	0 - 102			
Arsenic	23.9758	1.0	0.12	25.0000	1.63586	89.4	55 - 117			
Barium	110.714	1.0	0.12	25.0000	90.2646	81.8	11 - 177			
Beryllium	22.8492	1.0	0.03	25.0100	2.52210	81.3	64 - 115			
Cadmium	22.6628	1.0	0.14	25.0000	0.486773	88.7	62 - 116			
Chromium	32.6518	1.0	0.26	25.0000	13.7763	75.5	42 - 145			
Cobalt	28.6308	1.0	0.07	25.0000	5.36854	93.0	60 - 126			
Copper	34.0844	2.0	0.19	25.0000	10.4190	94.7	37 - 163			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1220 - EPA 3050B_S (continued)										
Matrix Spike (B2C1220-MS1) - Continued			**Source: 2200353-01**				Prepared: 3/17/2022 Analyzed: 3/17/2022			
Lead	26.8271	1.0	0.18	25.0000	6.15760	82.7	26 - 161			
Molybdenum	22.4161	1.0	0.12	25.0000	0.265176	88.6	31 - 122			
Nickel	27.3304	1.0	0.18	25.0000	6.42046	83.6	52 - 130			
Selenium	22.1608	1.0	0.40	25.0000	ND	88.6	25 - 129			
Silver	16.1974	1.0	0.12	12.5000	5.67644	84.2	48 - 133			
Thallium	22.5902	1.0	0.38	25.0000	0.432233	88.6	25 - 119			
Vanadium	54.1398	1.0	0.06	25.0000	32.0773	88.3	51 - 141			
Zinc	63.4834	1.0	0.15	25.0000	39.9860	94.0	8 - 170			
Matrix Spike Dup (B2C1220-MSD1)			**Source: 2200353-01**				Prepared: 3/17/2022 Analyzed: 3/17/2022			
Antimony	14.7309	2.0	0.51	25.0000	0.785482	55.8	0 - 102	1.60	20	
Arsenic	22.6176	1.0	0.12	25.0000	1.63586	83.9	55 - 117	5.83	20	
Barium	110.794	1.0	0.12	25.0000	90.2646	82.1	11 - 177	0.0726	20	
Beryllium	22.5244	1.0	0.03	25.0100	2.52210	80.0	64 - 115	1.43	20	
Cadmium	22.4667	1.0	0.14	25.0000	0.486773	87.9	62 - 116	0.869	20	
Chromium	33.1843	1.0	0.26	25.0000	13.7763	77.6	42 - 145	1.62	20	
Cobalt	28.2338	1.0	0.07	25.0000	5.36854	91.5	60 - 126	1.40	20	
Copper	33.1178	2.0	0.19	25.0000	10.4190	90.8	37 - 163	2.88	20	
Lead	26.8883	1.0	0.18	25.0000	6.15760	82.9	26 - 161	0.228	20	
Molybdenum	22.2712	1.0	0.12	25.0000	0.265176	88.0	31 - 122	0.648	20	
Nickel	26.8803	1.0	0.18	25.0000	6.42046	81.8	52 - 130	1.66	20	
Selenium	22.6843	1.0	0.40	25.0000	ND	90.7	25 - 129	2.33	20	
Silver	16.0416	1.0	0.12	12.5000	5.67644	82.9	48 - 133	0.967	20	
Thallium	21.5782	1.0	0.38	25.0000	0.432233	84.6	25 - 119	4.58	20	
Vanadium	54.2617	1.0	0.06	25.0000	32.0773	88.7	51 - 141	0.225	20	
Zinc	63.6794	1.0	0.15	25.0000	39.9860	94.8	8 - 170	0.308	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1213 - EPA 7471_S										
Blank (B2C1213-BLK1)						Prepared: 3/16/2022 Analyzed: 3/17/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1213-BS1)						Prepared: 3/16/2022 Analyzed: 3/17/2022				
Mercury	0.418834	0.10	0.01	0.416667		101	80 - 120			
Matrix Spike (B2C1213-MS1)			**Source: 2200350-01**			Prepared: 3/16/2022 Analyzed: 3/17/2022				
Mercury	0.498197	0.10	0.01	0.416667	0.107734	93.7	70 - 130			
Matrix Spike Dup (B2C1213-MSD1)			**Source: 2200350-01**			Prepared: 3/16/2022 Analyzed: 3/17/2022				
Mercury	0.494261	0.10	0.01	0.416667	0.107734	92.8	70 - 130	0.793	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1213 - EPA 7471_S									
Post Spike (B2C1213-PS1)			**Source: 2200350-01**		Prepared: 3/16/2022 Analyzed: 3/17/2022				
Mercury	0.005893		5.00000E-3	0.001293	92.0	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1174 - GCSEMI_DRO_S										
Blank (B2C1174-BLK1)						Prepared: 3/15/2022 Analyzed: 3/15/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*62.88*			*80.0000*		*78.6*	*62 - 141*			
LCS (B2C1174-BS1)						Prepared: 3/15/2022 Analyzed: 3/15/2022				
DRO	921.098	10	3.6	1000.00		92.1	56 - 139			
Surrogate: p-Terphenyl	*68.38*			*80.0000*		*85.5*	*62 - 141*			
Matrix Spike (B2C1174-MS1)			**Source: 2200353-02**			Prepared: 3/15/2022 Analyzed: 3/15/2022				
DRO	895.903	10	3.6	1000.00	ND	89.6	38 - 161			
Surrogate: p-Terphenyl	*72.17*			*80.0000*		*90.2*	*62 - 141*			
Matrix Spike Dup (B2C1174-MSD1)			**Source: 2200353-02**			Prepared: 3/15/2022 Analyzed: 3/15/2022				
DRO	876.681	10	3.6	1000.00	ND	87.7	38 - 161	2.17	20	
Surrogate: p-Terphenyl	*81.16*			*80.0000*		*101*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1167 - GCSEMI_PCB/PEST_S										
Blank (B2C1167-BLK1)						Prepared: 3/15/2022 Analyzed: 3/15/2022				
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
Surrogate: Decachlorobiphenyl	*11.11*			*16.6667*		*66.7*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*11.16*			*16.6667*		*67.0*	*0 - 103*			
LCS (B2C1167-BS1)						Prepared: 3/15/2022 Analyzed: 3/15/2022				
Aroclor 1016	113.203	16	1.9	166.667		67.9	11 - 108			
Aroclor 1260	125.557	16	1.9	166.667		75.3	19 - 112			
Surrogate: Decachlorobiphenyl	*10.58*			*16.6667*		*63.5*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*11.01*			*16.6667*		*66.1*	*0 - 103*			
Matrix Spike (B2C1167-MS1)			**Source: 2200367-03**			Prepared: 3/15/2022 Analyzed: 3/15/2022				
Aroclor 1016	117.676	16	1.9	166.667	ND	70.6	0 - 135			
Aroclor 1260	133.279	16	1.9	166.667	ND	80.0	0 - 127			
Surrogate: Decachlorobiphenyl	*11.67*			*16.6667*		*70.0*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*11.24*			*16.6667*		*67.4*	*0 - 103*			
Matrix Spike Dup (B2C1167-MSD1)			**Source: 2200367-03**			Prepared: 3/15/2022 Analyzed: 3/15/2022				
Aroclor 1016	103.546	16	1.9	166.667	ND	62.1	0 - 135	12.8	20	
Aroclor 1260	115.077	16	1.9	166.667	ND	69.0	0 - 127	14.7	20	
Surrogate: Decachlorobiphenyl	*9.716*			*16.6667*		*58.3*	*0 - 87*			
Surrogate: Tetrachloro-m-xylene	*9.618*			*16.6667*		*57.7*	*0 - 103*			

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1186 - MSVOA_S										
Blank (B2C1186-BLK1)						Prepared: 3/16/2022 Analyzed: 3/16/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/21/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1186 - MSVOA_S (continued)										
Blank (B2C1186-BLK1) - Continued						Prepared: 3/16/2022 Analyzed: 3/16/2022				
Ethyl tert-butyl ether	ND	5.0	0.85							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*64.44*			*50.0000*		*129*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*45.59*			*50.0000*		*91.2*	*50 - 146*			
Surrogate: Dibromofluoromethane	*58.84*			*50.0000*		*118*	*77 - 159*			
Surrogate: Toluene-d8	*47.24*			*50.0000*		*94.5*	*81 - 128*			
Blank (B2C1186-BLK2)						Prepared: 3/16/2022 Analyzed: 3/16/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1186 - MSVOA_S (continued)										
Blank (B2C1186-BLK2) - Continued						Prepared: 3/16/2022 Analyzed: 3/16/2022				
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/21/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1186 - MSVOA_S (continued)										
Blank (B2C1186-BLK2) - Continued						Prepared: 3/16/2022 Analyzed: 3/16/2022				
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*59.71*			*50.0000*		*119*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.22*			*50.0000*		*96.4*	*50 - 146*			
Surrogate: Dibromofluoromethane	*56.19*			*50.0000*		*112*	*77 - 159*			
Surrogate: Toluene-d8	*48.37*			*50.0000*		*96.7*	*81 - 128*			
LCS (B2C1186-BS1)						Prepared: 3/16/2022 Analyzed: 3/16/2022				
1,1,1,2-Tetrachloroethane	45.0100	5.0	0.52	50.0000		90.0	84 - 123			
1,1,1-Trichloroethane	52.8300	5.0	0.26	50.0000		106	78 - 133			
1,1,2,2-Tetrachloroethane	42.2800	5.0	0.21	50.0000		84.6	63 - 127			
1,1,2-Trichloroethane	45.1900	5.0	0.40	50.0000		90.4	80 - 125			
1,1-Dichloroethane	48.5100	5.0	1.4	50.0000		97.0	77 - 128			
1,1-Dichloroethene	52.2300	5.0	1.9	50.0000		104	69 - 138			
1,1-Dichloropropene	49.5300	5.0	0.54	50.0000		99.1	80 - 133			
1,2,3-Trichloropropane	45.2400	5.0	0.40	50.0000		90.5	74 - 123			
1,2,3-Trichlorobenzene	44.7800	5.0	0.83	50.0000		89.6	79 - 133			
1,2,4-Trichlorobenzene	42.6900	5.0	0.80	50.0000		85.4	73 - 131			
1,2,4-Trimethylbenzene	46.2100	5.0	0.91	50.0000		92.4	86 - 137			
1,2-Dibromo-3-chloropropane	44.7900	10	1.1	50.0000		89.6	62 - 127			
1,2-Dibromoethane	49.1300	5.0	0.40	50.0000		98.3	83 - 126			
1,2-Dichlorobenzene	44.6500	5.0	0.21	50.0000		89.3	83 - 123			
1,2-Dichloroethane	53.6200	5.0	0.50	50.0000		107	76 - 128			
1,2-Dichloropropane	42.1800	5.0	0.46	50.0000		84.4	77 - 121			
1,3,5-Trimethylbenzene	46.5900	5.0	0.70	50.0000		93.2	84 - 135			
1,3-Dichlorobenzene	45.8800	5.0	0.36	50.0000		91.8	81 - 126			
1,3-Dichloropropane	45.1000	5.0	0.49	50.0000		90.2	80 - 118			
1,4-Dichlorobenzene	44.8600	5.0	0.27	50.0000		89.7	80 - 124			
2,2-Dichloropropane	49.3300	5.0	0.28	50.0000		98.7	72 - 135			
2-Chlorotoluene	46.9800	5.0	0.53	50.0000		94.0	81 - 127			
4-Chlorotoluene	47.2500	5.0	0.40	50.0000		94.5	83 - 127			
4-Isopropyltoluene	46.1100	5.0	0.81	50.0000		92.2	82 - 143			
Benzene	47.4200	5.0	0.36	50.0000		94.8	84 - 123			
Bromobenzene	46.9100	5.0	0.62	50.0000		93.8	80 - 122			

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Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/21/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1186 - MSVOA_S (continued)										
LCS (B2C1186-BS1) - Continued						Prepared: 3/16/2022 Analyzed: 3/16/2022				
Bromochloromethane	43.6400	5.0	0.30	50.0000		87.3	83 - 127			
Bromodichloromethane	52.9100	5.0	0.52	50.0000		106	82 - 123			
Bromoform	46.4300	5.0	1.4	50.0000		92.9	80 - 132			
Bromomethane	70.8700	5.0	2.5	50.0000		142	67 - 176			
Carbon disulfide	49.3500	5.0	0.94	50.0000		98.7	75 - 138			
Carbon tetrachloride	49.3300	5.0	0.73	50.0000		98.7	76 - 131			
Chlorobenzene	43.8500	5.0	0.42	50.0000		87.7	84 - 119			
Chloroethane	57.9400	5.0	1.5	50.0000		116	56 - 170			
Chloroform	53.2200	5.0	0.24	50.0000		106	78 - 129			
Chloromethane	43.7700	5.0	1.1	50.0000		87.5	63 - 141			
cis-1,2-Dichloroethene	37.8600	5.0	0.20	50.0000		75.7	83 - 125			L3
cis-1,3-Dichloropropene	40.3200	5.0	0.39	50.0000		80.6	76 - 129			
Di-isopropyl ether	43.6900	5.0	1.9	50.0000		87.4	73 - 132			
Dibromochloromethane	43.1300	5.0	0.81	50.0000		86.3	81 - 120			
Dibromomethane	45.9400	5.0	0.23	50.0000		91.9	79 - 124			
Dichlorodifluoromethane	41.9800	5.0	0.14	50.0000		84.0	18 - 199			
Ethyl Acetate	19.5600	50	7.0	500.000		3.91	76 - 138			MO
Ethyl Ether	568.050	50	17	500.000		114	74 - 128			
Ethyl tert-butyl ether	44.5500	5.0	0.85	50.0000		89.1	50 - 175			
Ethylbenzene	46.1900	5.0	0.43	50.0000		92.4	86 - 130			
Freon-113	58.7900	5.0	1.3	50.0000		118	66 - 132			
Hexachlorobutadiene	47.1900	5.0	0.40	50.0000		94.4	64 - 135			
Isopropylbenzene	47.7700	5.0	0.79	50.0000		95.5	80 - 133			
m,p-Xylene	91.3100	10	0.98	100.000		91.3	89 - 133			
Methylene chloride	48.8700	5.0	2.2	50.0000		97.7	72 - 143			
MTBE	44.6700	5.0	0.81	50.0000		89.3	73 - 136			
n-Butylbenzene	47.1100	5.0	1.2	50.0000		94.2	76 - 144			
n-Propylbenzene	46.6100	5.0	0.78	50.0000		93.2	81 - 136			
Naphthalene	42.0300	5.0	1.1	50.0000		84.1	64 - 128			
o-Xylene	46.8400	5.0	0.67	50.0000		93.7	82 - 134			
sec-Butylbenzene	46.5500	5.0	0.63	50.0000		93.1	81 - 138			
Styrene	44.5900	5.0	0.45	50.0000		89.2	79 - 152			
tert-Amyl methyl ether	44.0800	5.0	1.1	50.0000		88.2	48 - 166			
tert-Butanol	159.320	100	11	250.000		63.7	48 - 148			
tert-Butylbenzene	47.1800	5.0	0.80	50.0000		94.4	81 - 135			
Tetrachloroethene	46.9900	5.0	0.31	50.0000		94.0	75 - 127			
Toluene	47.5300	5.0	0.27	50.0000		95.1	88 - 130			
trans-1,2-Dichloroethene	64.4400	5.0	0.56	50.0000		129	79 - 127			L3
trans-1,3-Dichloropropene	43.8400	5.0	0.59	50.0000		87.7	80 - 130			
Trichloroethene	49.0000	5.0	0.32	50.0000		98.0	83 - 126			
Trichlorofluoromethane	59.9500	5.0	1.0	50.0000		120	62 - 143			
Vinyl acetate	27.7100	50	6.0	500.000		5.54	69 - 150			MO
Vinyl chloride	53.6100	5.0	0.92	50.0000		107	69 - 140			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 03/21/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1186 - MSVOA_S (continued)										
LCS (B2C1186-BS1) - Continued						Prepared: 3/16/2022 Analyzed: 3/16/2022				
Surrogate: 1,2-Dichloroethane-d4	*55.85*			*50.0000*		*112*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.43*			*50.0000*		*96.9*	*50 - 146*			
Surrogate: Dibromofluoromethane	*52.93*			*50.0000*		*106*	*77 - 159*			
Surrogate: Toluene-d8	*48.61*			*50.0000*		*97.2*	*81 - 128*			
LCS Dup (B2C1186-BSD1)						Prepared: 3/16/2022 Analyzed: 3/16/2022				
1,1,1,2-Tetrachloroethane	47.1900	5.0	0.52	50.0000		94.4	84 - 123	4.73	20	
1,1,1-Trichloroethane	51.6600	5.0	0.26	50.0000		103	78 - 133	2.24	20	
1,1,2,2-Tetrachloroethane	42.7900	5.0	0.21	50.0000		85.6	63 - 127	1.20	20	
1,1,2-Trichloroethane	50.4300	5.0	0.40	50.0000		101	80 - 125	11.0	20	
1,1-Dichloroethane	50.3500	5.0	1.4	50.0000		101	77 - 128	3.72	20	
1,1-Dichloroethene	49.9400	5.0	1.9	50.0000		99.9	69 - 138	4.48	20	
1,1-Dichloropropene	50.3400	5.0	0.54	50.0000		101	80 - 133	1.62	20	
1,2,3-Trichloropropane	44.3600	5.0	0.40	50.0000		88.7	74 - 123	1.96	20	
1,2,3-Trichlorobenzene	46.0200	5.0	0.83	50.0000		92.0	79 - 133	2.73	20	
1,2,4-Trichlorobenzene	41.5600	5.0	0.80	50.0000		83.1	73 - 131	2.68	20	
1,2,4-Trimethylbenzene	45.6800	5.0	0.91	50.0000		91.4	86 - 137	1.15	20	
1,2-Dibromo-3-chloropropane	38.5300	10	1.1	50.0000		77.1	62 - 127	15.0	20	
1,2-Dibromoethane	48.3000	5.0	0.40	50.0000		96.6	83 - 126	1.70	20	
1,2-Dichlorobenzene	44.2300	5.0	0.21	50.0000		88.5	83 - 123	0.945	20	
1,2-Dichloroethane	54.8600	5.0	0.50	50.0000		110	76 - 128	2.29	20	
1,2-Dichloropropane	46.6800	5.0	0.46	50.0000		93.4	77 - 121	10.1	20	
1,3,5-Trimethylbenzene	44.1700	5.0	0.70	50.0000		88.3	84 - 135	5.33	20	
1,3-Dichlorobenzene	43.9700	5.0	0.36	50.0000		87.9	81 - 126	4.25	20	
1,3-Dichloropropane	47.1500	5.0	0.49	50.0000		94.3	80 - 118	4.44	20	
1,4-Dichlorobenzene	43.6200	5.0	0.27	50.0000		87.2	80 - 124	2.80	20	
2,2-Dichloropropane	49.2700	5.0	0.28	50.0000		98.5	72 - 135	0.122	20	
2-Chlorotoluene	44.9000	5.0	0.53	50.0000		89.8	81 - 127	4.53	20	
4-Chlorotoluene	45.6200	5.0	0.40	50.0000		91.2	83 - 127	3.51	20	
4-Isopropyltoluene	43.4300	5.0	0.81	50.0000		86.9	82 - 143	5.99	20	
Benzene	49.8800	5.0	0.36	50.0000		99.8	84 - 123	5.06	20	
Bromobenzene	44.4100	5.0	0.62	50.0000		88.8	80 - 122	5.48	20	
Bromochloromethane	48.7800	5.0	0.30	50.0000		97.6	83 - 127	11.1	20	
Bromodichloromethane	53.2600	5.0	0.52	50.0000		107	82 - 123	0.659	20	
Bromoform	48.2600	5.0	1.4	50.0000		96.5	80 - 132	3.87	20	
Bromomethane	73.0300	5.0	2.5	50.0000		146	67 - 176	3.00	20	
Carbon disulfide	51.7900	5.0	0.94	50.0000		104	75 - 138	4.82	20	
Carbon tetrachloride	51.7400	5.0	0.73	50.0000		103	76 - 131	4.77	20	
Chlorobenzene	46.5500	5.0	0.42	50.0000		93.1	84 - 119	5.97	20	
Chloroethane	61.2100	5.0	1.5	50.0000		122	56 - 170	5.49	20	
Chloroform	53.4600	5.0	0.24	50.0000		107	78 - 129	0.450	20	
Chloromethane	48.0300	5.0	1.1	50.0000		96.1	63 - 141	9.28	20	
cis-1,2-Dichloroethene	38.6000	5.0	0.20	50.0000		77.2	83 - 125	1.94	20	L3
cis-1,3-Dichloropropene	41.2700	5.0	0.39	50.0000		82.5	76 - 129	2.33	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/21/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1186 - MSVOA_S (continued)										
LCS Dup (B2C1186-BSD1) - Continued						Prepared: 3/16/2022 Analyzed: 3/16/2022				
Di-isopropyl ether	47.1300	5.0	1.9	50.0000		94.3	73 - 132	7.58	20	
Dibromochloromethane	45.5900	5.0	0.81	50.0000		91.2	81 - 120	5.55	20	
Dibromomethane	49.3000	5.0	0.23	50.0000		98.6	79 - 124	7.06	20	
Dichlorodifluoromethane	43.1700	5.0	0.14	50.0000		86.3	18 - 199	2.80	20	
Ethyl Acetate	21.4800	50	7.0	500.000		4.30	76 - 138	9.36	20	MO
Ethyl Ether	593.250	50	17	500.000		119	74 - 128	4.34	20	
Ethyl tert-butyl ether	46.0500	5.0	0.85	50.0000		92.1	50 - 175	3.31	20	
Ethylbenzene	47.0700	5.0	0.43	50.0000		94.1	86 - 130	1.89	20	
Freon-113	55.0200	5.0	1.3	50.0000		110	66 - 132	6.63	20	
Hexachlorobutadiene	45.8100	5.0	0.40	50.0000		91.6	64 - 135	2.97	20	
Isopropylbenzene	44.9000	5.0	0.79	50.0000		89.8	80 - 133	6.19	20	
m,p-Xylene	93.2100	10	0.98	100.000		93.2	89 - 133	2.06	20	
Methylene chloride	51.2200	5.0	2.2	50.0000		102	72 - 143	4.70	20	
MTBE	46.6400	5.0	0.81	50.0000		93.3	73 - 136	4.31	20	
n-Butylbenzene	44.3400	5.0	1.2	50.0000		88.7	76 - 144	6.06	20	
n-Propylbenzene	44.8700	5.0	0.78	50.0000		89.7	81 - 136	3.80	20	
Naphthalene	40.7400	5.0	1.1	50.0000		81.5	64 - 128	3.12	20	
o-Xylene	46.2500	5.0	0.67	50.0000		92.5	82 - 134	1.27	20	
sec-Butylbenzene	44.7900	5.0	0.63	50.0000		89.6	81 - 138	3.85	20	
Styrene	46.2700	5.0	0.45	50.0000		92.5	79 - 152	3.70	20	
tert-Amyl methyl ether	46.7200	5.0	1.1	50.0000		93.4	48 - 166	5.81	20	
tert-Butanol	187.910	100	11	250.000		75.2	48 - 148	16.5	20	
tert-Butylbenzene	43.1800	5.0	0.80	50.0000		86.4	81 - 135	8.85	20	
Tetrachloroethene	47.2900	5.0	0.31	50.0000		94.6	75 - 127	0.636	20	
Toluene	50.2900	5.0	0.27	50.0000		101	88 - 130	5.64	20	
trans-1,2-Dichloroethene	67.4100	5.0	0.56	50.0000		135	79 - 127	4.51	20	L4
trans-1,3-Dichloropropene	49.3100	5.0	0.59	50.0000		98.6	80 - 130	11.7	20	
Trichloroethene	49.3500	5.0	0.32	50.0000		98.7	83 - 126	0.712	20	
Trichlorofluoromethane	59.8800	5.0	1.0	50.0000		120	62 - 143	0.117	20	
Vinyl acetate	29.5000	50	6.0	500.000		5.90	69 - 150	6.26	20	MO
Vinyl chloride	55.8600	5.0	0.92	50.0000		112	69 - 140	4.11	20	
Surrogate: 1,2-Dichloroethane-d4	*55.36*			*50.0000*		*111*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.06*			*50.0000*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*56.79*			*50.0000*		*114*	*77 - 159*			
Surrogate: Toluene-d8	*48.52*			*50.0000*		*97.0*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/11/22

2200353

32°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tiam Novin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	61W-10-2-1	3/11/22	0750	soil	1	1			X									
2	61W-10-2-5.5	"	0800	"	5	1	4			X	X	X						
3	61W-10-1-1	"	0830	"	1	1			X									
4	61W-10-1-5.5	"	0840	"	5	1	4			X	X	X						
5	61W-24-2-1	"	0934	"	1	1			X						X			
6	61W-24-2-5.5	"	0942	"	5	1	4			X	X	X						
7	61W-24-3-1	"	1003	"	1	1			X						X			
8	61W-24-3-5.5	"	1012	"	5	1	4			X	X	X						
9	61W-24-4-1	"	1040	"	1	1			X						X			
10	61W-24-4-5.5	"	1054	"	5	1	4			X	X	X						
11	61W-24-5-1	"	1126	"	1	1			X						X			
12	61W-24-5-5.5	"	1138	"	5	1	4			X	X	X						
13	61W-24-6-1	"	1210	"	1	1			X						X			
14	61W-24-6-5.5	"	1228	"	5	1	4			X	X	X						
15	TB_20220311	"	1311	water	4		4											X

Relinquished by: (Signature) Tiam Novin	Received by: (Signature)	Date: 3/11/22	Time: 1446
Relinquished by: (Signature) 3/11/22 16:56	Received by: (Signature) 3/11/22 16:56	Date: 3/11/22	Time: 16:56
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 3/11/22
Page 2 of 2

2200353

FROM:	PROJECT NAME:	PROJECT NO.:
GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	Ontario Airport	5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss	LAB CONTACT: Victoria Michel
	GLOBAL ID:	SAMPLER(S): (PRINT) Tiam Novin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
16	GIW-26-1-1	3/11/22	1315	Soil	1	1			X									
17	GIW-26-1-5.5	3/11/22	1322	Soil	5	1	4			X	X	X						

Relinquished by: (Signature) Tiam Novin	Received by: (Signature)		Date: 3/11/22	Time: 1446
Relinquished by: (Signature) 3/11/22 1656	Received by: (Signature) 3/11/22	16:56	Date: 3/11/22	Time: 16:56
Relinquished by: (Signature)	Received by: (Signature)		Date:	Time:

May 16, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200373
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 14, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 05/16/22 10:28 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

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The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
62-13-5-1	2200373-01	Soil	3/14/22 8:14	3/14/22 18:51
62-13-5-5.5	2200373-02	Soil	3/14/22 8:26	3/14/22 18:51
62-13-7-1	2200373-03	Soil	3/14/22 8:55	3/14/22 18:51
62-13-7-5.5	2200373-04	Soil	3/14/22 9:10	3/14/22 18:51
62-13-6-1	2200373-05	Soil	3/14/22 9:38	3/14/22 18:51
62-13-6-5.5	2200373-06	Soil	3/14/22 9:46	3/14/22 18:51
62-13-4-1	2200373-07	Soil	3/14/22 10:38	3/14/22 18:51
62-13-4-5.5	2200373-08	Soil	3/14/22 10:48	3/14/22 18:51
62-13-1-1	2200373-09	Soil	3/14/22 11:42	3/14/22 18:51
62-13-1-5.5	2200373-10	Soil	3/14/22 11:50	3/14/22 18:51
62-13-3-1	2200373-11	Soil	3/14/22 13:04	3/14/22 18:51
62-13-3-5.5	2200373-12	Soil	3/14/22 13:12	3/14/22 18:51
62-13-2-1	2200373-13	Soil	3/14/22 13:38	3/14/22 18:51
62-13-2-5.5	2200373-14	Soil	3/14/22 13:44	3/14/22 18:51
TB_20220314	2200373-15	Water	3/14/22 13:55	3/14/22 18:51
EB_20220314	2200373-16	Water	3/14/22 14:20	3/14/22 18:51

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Notes and Definitions

S10	Surrogate recovery was outside of laboratory acceptance limit due to possible matrix interference.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200373-01	62-13-5-1	**ND**	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22 12:00	
2200373-03	62-13-7-1	**ND**	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22 12:14	
2200373-05	62-13-6-1	**ND**	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22 12:18	
2200373-07	62-13-4-1	**ND**	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22 12:20	
2200373-09	62-13-1-1	**ND**	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22 12:29	
2200373-11	62-13-3-1	**ND**	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22 12:32	
2200373-13	62-13-2-1	**ND**	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22 12:35	

Client Sample ID: 62-13-5-1
Lab ID: 2200373-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Barium	**96**	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Beryllium	**2.1**	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Chromium	**13**	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Cobalt	**4.7**	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Copper	**9.8**	2.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Lead	**2.2**	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Nickel	**5.7**	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Silver	**4.5**	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Vanadium	**26**	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	
Zinc	**34**	1.0	1	B2C1228	03/17/2022	03/18/22 12:47	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-5-5.5

Lab ID: 2200373-02

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Surrogate: 1,2-Dichlorobenzene-d4	*71.9 %*	*12 - 125*		B2C1211	03/16/2022	*03/18/22 22:59*	
Surrogate: 2-Fluorobiphenyl	*89.2 %*	*14 - 139*		B2C1211	03/16/2022	*03/18/22 22:59*	
Surrogate: Nitrobenzene-d5	*63.9 %*	*8 - 155*		B2C1211	03/16/2022	*03/18/22 22:59*	
Surrogate: 4-Terphenyl-d14	*108 %*	*16 - 152*		B2C1211	03/16/2022	*03/18/22 22:59*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 16:53	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 16:53	
Surrogate: p-Terphenyl	*97.5 %*	*62 - 141*		B2C1215	03/16/2022	*03/17/22 16:53*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,1,1-Trichloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,1,2-Trichloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-5-5.5

Lab ID: 2200373-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,1-Dichloroethene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,1-Dichloropropene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2,3-Trichloropropane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2-Dibromo-3-chloropropane	ND	9.0	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2-Dibromoethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2-Dichlorobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2-Dichloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2-Dichloropropane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,3-Dichlorobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,3-Dichloropropane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,4-Dichlorobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
2,2-Dichloropropane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
2-Chlorotoluene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
4-Chlorotoluene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
4-Isopropyltoluene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Benzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Bromobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Bromochloromethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Bromodichloromethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Bromoform	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Bromomethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Carbon disulfide	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Carbon tetrachloride	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Chlorobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Chloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Chloroform	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Chloromethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Di-isopropyl ether	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Dibromochloromethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Dibromomethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Dichlorodifluoromethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Ethyl Acetate	ND	45	1	B2C1222	03/17/2022	03/17/22 14:06	
Ethyl Ether	ND	45	1	B2C1222	03/17/2022	03/17/22 14:06	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-5-5.5

Lab ID: 2200373-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Ethylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Freon-113	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Hexachlorobutadiene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Isopropylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
m,p-Xylene	ND	9.0	1	B2C1222	03/17/2022	03/17/22 14:06	
Methylene chloride	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
MTBE	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
n-Butylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
n-Propylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Naphthalene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
o-Xylene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
sec-Butylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Styrene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
tert-Amyl methyl ether	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
tert-Butanol	ND	90	1	B2C1222	03/17/2022	03/17/22 14:06	
tert-Butylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Tetrachloroethene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Toluene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Trichloroethene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Trichlorofluoromethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Vinyl acetate	ND	45	1	B2C1222	03/17/2022	03/17/22 14:06	
Vinyl chloride	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Surrogate: 1,2-Dichloroethane-d4	*133 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 14:06*	
Surrogate: 4-Bromofluorobenzene	*96.6 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 14:06*	
Surrogate: Dibromofluoromethane	*96.7 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 14:06*	
Surrogate: Toluene-d8	*104 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 14:06*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1334	03/22/2022	03/22/22 13:54	
Surrogate: 4-Bromofluorobenzene	*100 %*	*47.6 - 121.18*		B2C1334	03/22/2022	*03/22/22 13:54*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-7-1

Lab ID: 2200373-03

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Barium	**120**	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Beryllium	**2.6**	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Chromium	**16**	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Cobalt	**5.7**	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Copper	**11**	2.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Lead	**2.8**	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Nickel	**6.8**	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Silver	**5.7**	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Vanadium	**33**	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Zinc	**41**	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-7-5.5

Lab ID: 2200373-04

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Surrogate: 1,2-Dichlorobenzene-d4	*74.7 %*	*12 - 125*		B2C1211	03/16/2022	*03/18/22 23:25*	
Surrogate: 2-Fluorobiphenyl	*92.3 %*	*14 - 139*		B2C1211	03/16/2022	*03/18/22 23:25*	
Surrogate: Nitrobenzene-d5	*67.1 %*	*8 - 155*		B2C1211	03/16/2022	*03/18/22 23:25*	
Surrogate: 4-Terphenyl-d14	*113 %*	*16 - 152*		B2C1211	03/16/2022	*03/18/22 23:25*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 17:29	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 17:29	
Surrogate: p-Terphenyl	*101 %*	*62 - 141*		B2C1215	03/16/2022	*03/17/22 17:29*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,1,1-Trichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,1,2-Trichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-7-5.5

Lab ID: 2200373-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,1-Dichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,1-Dichloropropene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2,3-Trichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2-Dibromoethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2-Dichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2-Dichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2-Dichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,3-Dichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,3-Dichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,4-Dichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
2,2-Dichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
2-Chlorotoluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
4-Chlorotoluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
4-Isopropyltoluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Benzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Bromobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Bromochloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Bromodichloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Bromoform	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Bromomethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Carbon disulfide	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Carbon tetrachloride	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Chlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Chloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Chloroform	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Chloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Di-isopropyl ether	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Dibromochloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Dibromomethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Dichlorodifluoromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Ethyl Acetate	ND	44	1	B2C1222	03/17/2022	03/17/22 14:32	
Ethyl Ether	ND	44	1	B2C1222	03/17/2022	03/17/22 14:32	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-7-5.5

Lab ID: 2200373-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Ethylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Freon-113	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Hexachlorobutadiene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Isopropylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
m,p-Xylene	ND	8.9	1	B2C1222	03/17/2022	03/17/22 14:32	
Methylene chloride	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
MTBE	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
n-Butylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
n-Propylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Naphthalene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
o-Xylene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
sec-Butylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Styrene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
tert-Amyl methyl ether	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
tert-Butanol	ND	89	1	B2C1222	03/17/2022	03/17/22 14:32	
tert-Butylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Tetrachloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Toluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Trichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Trichlorofluoromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Vinyl acetate	ND	44	1	B2C1222	03/17/2022	03/17/22 14:32	
Vinyl chloride	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Surrogate: 1,2-Dichloroethane-d4	*155 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 14:32*	
Surrogate: 4-Bromofluorobenzene	*104 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 14:32*	
Surrogate: Dibromofluoromethane	*104 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 14:32*	
Surrogate: Toluene-d8	*106 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 14:32*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.84	1	B2C1334	03/22/2022	03/22/22 14:18	
Surrogate: 4-Bromofluorobenzene	*104 %*	*47.6 - 121.18*		B2C1334	03/22/2022	*03/22/22 14:18*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-6-1

Lab ID: 2200373-05

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Barium	**110**	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Beryllium	**2.3**	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Chromium	**15**	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Cobalt	**5.5**	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Copper	**9.9**	2.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Lead	**2.6**	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Nickel	**6.5**	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Silver	**5.1**	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Vanadium	**30**	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Zinc	**38**	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-6-5.5

Lab ID: 2200373-06

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Surrogate: 1,2-Dichlorobenzene-d4	*77.6 %*	*12 - 125*		B2C1211	03/16/2022	*03/18/22 23:52*	
Surrogate: 2-Fluorobiphenyl	*89.6 %*	*14 - 139*		B2C1211	03/16/2022	*03/18/22 23:52*	
Surrogate: Nitrobenzene-d5	*68.3 %*	*8 - 155*		B2C1211	03/16/2022	*03/18/22 23:52*	
Surrogate: 4-Terphenyl-d14	*109 %*	*16 - 152*		B2C1211	03/16/2022	*03/18/22 23:52*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 17:49	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 17:49	
Surrogate: p-Terphenyl	*101 %*	*62 - 141*		B2C1215	03/16/2022	*03/17/22 17:49*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,1,1-Trichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,1,2-Trichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-6-5.5

Lab ID: 2200373-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,1-Dichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,1-Dichloropropene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2,3-Trichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2-Dibromoethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2-Dichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2-Dichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2-Dichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,3-Dichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,3-Dichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,4-Dichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
2,2-Dichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
2-Chlorotoluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
4-Chlorotoluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
4-Isopropyltoluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Benzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Bromobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Bromochloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Bromodichloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Bromoform	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Bromomethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Carbon disulfide	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Carbon tetrachloride	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Chlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Chloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Chloroform	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Chloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Di-isopropyl ether	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Dibromochloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Dibromomethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Dichlorodifluoromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Ethyl Acetate	ND	44	1	B2C1222	03/17/2022	03/17/22 14:57	
Ethyl Ether	ND	44	1	B2C1222	03/17/2022	03/17/22 14:57	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-6-5.5

Lab ID: 2200373-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Ethylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Freon-113	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Hexachlorobutadiene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Isopropylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
m,p-Xylene	ND	8.8	1	B2C1222	03/17/2022	03/17/22 14:57	
Methylene chloride	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
MTBE	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
n-Butylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
n-Propylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Naphthalene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
o-Xylene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
sec-Butylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Styrene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
tert-Amyl methyl ether	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
tert-Butanol	ND	88	1	B2C1222	03/17/2022	03/17/22 14:57	
tert-Butylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Tetrachloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Toluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Trichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Trichlorofluoromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Vinyl acetate	ND	44	1	B2C1222	03/17/2022	03/17/22 14:57	
Vinyl chloride	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Surrogate: 1,2-Dichloroethane-d4	*152 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 14:57*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 14:57*	
Surrogate: Dibromofluoromethane	*104 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 14:57*	
Surrogate: Toluene-d8	*112 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 14:57*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C1334	03/22/2022	03/22/22 14:43	
Surrogate: 4-Bromofluorobenzene	*105 %*	*47.6 - 121.18*		B2C1334	03/22/2022	*03/22/22 14:43*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-4-1

Lab ID: 2200373-07

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Barium	**120**	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Beryllium	**2.8**	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Chromium	**17**	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Cobalt	**6.1**	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Copper	**12**	2.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Lead	**2.9**	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Nickel	**7.3**	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Silver	**6.1**	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Vanadium	**35**	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Zinc	**42**	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-4-5.5

Lab ID: 2200373-08

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Surrogate: 1,2-Dichlorobenzene-d4	*76.2 %*	*12 - 125*		B2C1211	03/16/2022	*03/19/22 00:18*	
Surrogate: 2-Fluorobiphenyl	*85.7 %*	*14 - 139*		B2C1211	03/16/2022	*03/19/22 00:18*	
Surrogate: Nitrobenzene-d5	*65.3 %*	*8 - 155*		B2C1211	03/16/2022	*03/19/22 00:18*	
Surrogate: 4-Terphenyl-d14	*94.1 %*	*16 - 152*		B2C1211	03/16/2022	*03/19/22 00:18*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 18:10	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 18:10	
Surrogate: p-Terphenyl	*95.4 %*	*62 - 141*		B2C1215	03/16/2022	*03/17/22 18:10*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,1,1-Trichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,1,2-Trichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-4-5.5

Lab ID: 2200373-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,1-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,1-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2,3-Trichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2-Dibromoethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2-Dichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,3-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,3-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,4-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
2,2-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
2-Chlorotoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
4-Chlorotoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
4-Isopropyltoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Benzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Bromobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Bromochloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Bromodichloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Bromoform	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Bromomethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Carbon disulfide	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Carbon tetrachloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Chlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Chloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Chloroform	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Chloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Di-isopropyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Dibromochloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Dibromomethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Dichlorodifluoromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Ethyl Acetate	ND	43	1	B2C1222	03/17/2022	03/17/22 15:23	
Ethyl Ether	ND	43	1	B2C1222	03/17/2022	03/17/22 15:23	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-4-5.5

Lab ID: 2200373-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Ethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Freon-113	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Hexachlorobutadiene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Isopropylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
m,p-Xylene	ND	8.6	1	B2C1222	03/17/2022	03/17/22 15:23	
Methylene chloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
MTBE	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
n-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
n-Propylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Naphthalene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
o-Xylene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
sec-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Styrene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
tert-Amyl methyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
tert-Butanol	ND	86	1	B2C1222	03/17/2022	03/17/22 15:23	
tert-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Tetrachloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Toluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Trichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Trichlorofluoromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Vinyl acetate	ND	43	1	B2C1222	03/17/2022	03/17/22 15:23	
Vinyl chloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Surrogate: 1,2-Dichloroethane-d4	*147 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 15:23*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 15:23*	
Surrogate: Dibromofluoromethane	*106 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 15:23*	
Surrogate: Toluene-d8	*112 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 15:23*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.88	1	B2C1334	03/22/2022	03/22/22 15:08	
Surrogate: 4-Bromofluorobenzene	*99.6 %*	*47.6 - 121.18*		B2C1334	03/22/2022	*03/22/22 15:08*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-1-1

Lab ID: 2200373-09

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Barium	**120**	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Beryllium	**2.9**	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Chromium	**17**	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Cobalt	**6.2**	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Copper	**11**	2.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Lead	**2.9**	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Nickel	**7.3**	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Silver	**6.2**	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Vanadium	**35**	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Zinc	**44**	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-1-5.5

Lab ID: 2200373-10

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Surrogate: 1,2-Dichlorobenzene-d4	*68.8 %*	*12 - 125*		B2C1211	03/16/2022	*03/19/22 00:45*	
Surrogate: 2-Fluorobiphenyl	*80.2 %*	*14 - 139*		B2C1211	03/16/2022	*03/19/22 00:45*	
Surrogate: Nitrobenzene-d5	*59.6 %*	*8 - 155*		B2C1211	03/16/2022	*03/19/22 00:45*	
Surrogate: 4-Terphenyl-d14	*104 %*	*16 - 152*		B2C1211	03/16/2022	*03/19/22 00:45*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 18:31	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 18:31	
Surrogate: p-Terphenyl	*105 %*	*62 - 141*		B2C1215	03/16/2022	*03/17/22 18:31*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,1,1-Trichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,1,2-Trichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-1-5.5

Lab ID: 2200373-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,1-Dichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,1-Dichloropropene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2,3-Trichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2-Dibromoethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2-Dichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2-Dichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2-Dichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,3-Dichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,3-Dichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,4-Dichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
2,2-Dichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
2-Chlorotoluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
4-Chlorotoluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
4-Isopropyltoluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Benzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Bromobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Bromochloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Bromodichloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Bromoform	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Bromomethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Carbon disulfide	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Carbon tetrachloride	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Chlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Chloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Chloroform	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Chloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Di-isopropyl ether	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Dibromochloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Dibromomethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Dichlorodifluoromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Ethyl Acetate	ND	47	1	B2C1222	03/17/2022	03/17/22 15:49	
Ethyl Ether	ND	47	1	B2C1222	03/17/2022	03/17/22 15:49	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-1-5.5

Lab ID: 2200373-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Ethylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Freon-113	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Hexachlorobutadiene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Isopropylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
m,p-Xylene	ND	9.4	1	B2C1222	03/17/2022	03/17/22 15:49	
Methylene chloride	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
MTBE	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
n-Butylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
n-Propylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Naphthalene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
o-Xylene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
sec-Butylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Styrene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
tert-Amyl methyl ether	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
tert-Butanol	ND	94	1	B2C1222	03/17/2022	03/17/22 15:49	
tert-Butylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Tetrachloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Toluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Trichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Trichlorofluoromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Vinyl acetate	ND	47	1	B2C1222	03/17/2022	03/17/22 15:49	
Vinyl chloride	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Surrogate: 1,2-Dichloroethane-d4	*159 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 15:49*	
Surrogate: 4-Bromofluorobenzene	*98.0 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 15:49*	
Surrogate: Dibromofluoromethane	*108 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 15:49*	
Surrogate: Toluene-d8	*108 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 15:49*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.84	1	B2C1334	03/22/2022	03/22/22 15:32	
Surrogate: 4-Bromofluorobenzene	*101 %*	*47.6 - 121.18*		B2C1334	03/22/2022	*03/22/22 15:32*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-3-1

Lab ID: 2200373-11

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Barium	**110**	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Beryllium	**2.8**	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Chromium	**16**	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Cobalt	**6.1**	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Copper	**14**	2.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Lead	**2.7**	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Nickel	**7.0**	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Silver	**6.1**	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Vanadium	**33**	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Zinc	**42**	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-3-5.5

Lab ID: 2200373-12

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Surrogate: 1,2-Dichlorobenzene-d4	*74.6 %*	*12 - 125*		B2C1211	03/16/2022	*03/19/22 01:11*	
Surrogate: 2-Fluorobiphenyl	*86.5 %*	*14 - 139*		B2C1211	03/16/2022	*03/19/22 01:11*	
Surrogate: Nitrobenzene-d5	*65.8 %*	*8 - 155*		B2C1211	03/16/2022	*03/19/22 01:11*	
Surrogate: 4-Terphenyl-d14	*113 %*	*16 - 152*		B2C1211	03/16/2022	*03/19/22 01:11*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 18:51	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 18:51	
Surrogate: p-Terphenyl	*123 %*	*62 - 141*		B2C1215	03/16/2022	*03/17/22 18:51*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,1,1-Trichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,1,2-Trichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-3-5.5

Lab ID: 2200373-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,1-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,1-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2,3-Trichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2-Dibromo-3-chloropropane	ND	8.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2-Dibromoethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2-Dichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,3-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,3-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,4-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
2,2-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
2-Chlorotoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
4-Chlorotoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
4-Isopropyltoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Benzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Bromobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Bromochloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Bromodichloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Bromoform	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Bromomethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Carbon disulfide	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Carbon tetrachloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Chlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Chloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Chloroform	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Chloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Di-isopropyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Dibromochloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Dibromomethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Dichlorodifluoromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Ethyl Acetate	ND	41	1	B2C1222	03/17/2022	03/17/22 16:14	
Ethyl Ether	ND	41	1	B2C1222	03/17/2022	03/17/22 16:14	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-3-5.5

Lab ID: 2200373-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Ethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Freon-113	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Hexachlorobutadiene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Isopropylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
m,p-Xylene	ND	8.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Methylene chloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
MTBE	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
n-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
n-Propylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Naphthalene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
o-Xylene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
sec-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Styrene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
tert-Amyl methyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
tert-Butanol	ND	81	1	B2C1222	03/17/2022	03/17/22 16:14	
tert-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Tetrachloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Toluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Trichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Trichlorofluoromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Vinyl acetate	ND	41	1	B2C1222	03/17/2022	03/17/22 16:14	
Vinyl chloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Surrogate: 1,2-Dichloroethane-d4	*152 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 16:14*	
Surrogate: 4-Bromofluorobenzene	*104 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 16:14*	
Surrogate: Dibromofluoromethane	*101 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 16:14*	
Surrogate: Toluene-d8	*111 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 16:14*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.80	1	B2C1334	03/22/2022	03/22/22 15:57	
Surrogate: 4-Bromofluorobenzene	*107 %*	*47.6 - 121.18*		B2C1334	03/22/2022	*03/22/22 15:57*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-2-1

Lab ID: 2200373-13

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Barium	**130**	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Beryllium	**2.8**	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Chromium	**18**	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Cobalt	**6.5**	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Copper	**12**	2.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Lead	**2.9**	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Nickel	**7.7**	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Silver	**6.0**	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Vanadium	**36**	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Zinc	**45**	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-2-5.5

Lab ID: 2200373-14

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Surrogate: 1,2-Dichlorobenzene-d4	*80.6 %*	*12 - 125*		B2C1211	03/16/2022	*03/19/22 01:38*	
Surrogate: 2-Fluorobiphenyl	*92.2 %*	*14 - 139*		B2C1211	03/16/2022	*03/19/22 01:38*	
Surrogate: Nitrobenzene-d5	*70.7 %*	*8 - 155*		B2C1211	03/16/2022	*03/19/22 01:38*	
Surrogate: 4-Terphenyl-d14	*112 %*	*16 - 152*		B2C1211	03/16/2022	*03/19/22 01:38*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 19:12	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 19:12	
Surrogate: p-Terphenyl	*115 %*	*62 - 141*		B2C1215	03/16/2022	*03/17/22 19:12*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,1,1-Trichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,1,2-Trichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-2-5.5

Lab ID: 2200373-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,1-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,1-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2,3-Trichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2-Dibromoethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2-Dichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,3-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,3-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,4-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
2,2-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
2-Chlorotoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
4-Chlorotoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
4-Isopropyltoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Benzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Bromobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Bromochloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Bromodichloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Bromoform	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Bromomethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Carbon disulfide	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Carbon tetrachloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Chlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Chloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Chloroform	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Chloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Di-isopropyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Dibromochloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Dibromomethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Dichlorodifluoromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Ethyl Acetate	ND	41	1	B2C1222	03/17/2022	03/17/22 16:40	
Ethyl Ether	ND	41	1	B2C1222	03/17/2022	03/17/22 16:40	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Client Sample ID: 62-13-2-5.5

Lab ID: 2200373-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Ethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Freon-113	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Hexachlorobutadiene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Isopropylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
m,p-Xylene	ND	8.2	1	B2C1222	03/17/2022	03/17/22 16:40	
Methylene chloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
MTBE	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
n-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
n-Propylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Naphthalene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
o-Xylene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
sec-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Styrene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
tert-Amyl methyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
tert-Butanol	ND	82	1	B2C1222	03/17/2022	03/17/22 16:40	
tert-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Tetrachloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Toluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Trichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Trichlorofluoromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Vinyl acetate	ND	41	1	B2C1222	03/17/2022	03/17/22 16:40	
Vinyl chloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Surrogate: 1,2-Dichloroethane-d4	*155 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 16:40*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 16:40*	
Surrogate: Dibromofluoromethane	*104 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 16:40*	
Surrogate: Toluene-d8	*113 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 16:40*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.85	1	B2C1334	03/22/2022	03/22/22 16:21	
Surrogate: 4-Bromofluorobenzene	*100 %*	*47.6 - 121.18*		B2C1334	03/22/2022	*03/22/22 16:21*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

QUALITY CONTROL SECTION

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1211 - MSSEMI_S										
Blank (B2C1211-BLK1)						Prepared: 3/16/2022 Analyzed: 3/18/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	ND	5.0	0.45							
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	ND	5.0	0.34							
Pyrene	ND	5.0	0.51							
Surrogate: 1,2-Dichlorobenzene-d4	*49.00*			*66.6667*		*73.5*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*60.06*			*66.6667*		*90.1*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*44.45*			*66.6667*		*66.7*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*72.39*			*66.6667*		*109*	*16 - 152*			
LCS (B2C1211-BS1)						Prepared: 3/16/2022 Analyzed: 3/18/2022				
2-Methylnaphthalene	50.0840	5.0	0.60	66.6667		75.1	39 - 92			
Acenaphthene	58.8033	5.0	0.41	66.6667		88.2	35 - 94			
Acenaphthylene	63.0480	5.0	0.41	66.6667		94.6	31 - 101			
Anthracene	69.0260	5.0	0.56	66.6667		104	37 - 95			L3
Benzo(a)anthracene	75.8087	5.0	0.56	66.6667		114	43 - 102			L3
Benzo(a)pyrene	80.1300	5.0	0.69	66.6667		120	38 - 95			L3
Benzo(b)fluoranthene	75.9947	5.0	2.2	66.6667		114	44 - 102			L3
Benzo(g,h,i)perylene	70.3453	5.0	0.80	66.6667		106	34 - 114			
Benzo(k)fluoranthene	73.6680	5.0	0.70	66.6667		111	34 - 110			L3
Chrysene	75.4380	5.0	0.61	66.6667		113	46 - 101			L3
Dibenz(a,h)anthracene	74.1327	5.0	0.88	66.6667		111	35 - 117			
Fluoranthene	74.7813	5.0	0.45	66.6667		112	46 - 107			L3
Fluorene	62.7607	5.0	0.35	66.6667		94.1	35 - 98			
Indeno(1,2,3-cd)pyrene	72.1820	5.0	0.82	66.6667		108	35 - 114			
Naphthalene	49.4533	5.0	0.56	66.6667		74.2	39 - 86			
Phenanthrene	69.5907	5.0	0.34	66.6667		104	43 - 98			L3
Pyrene	73.2393	5.0	0.51	66.6667		110	44 - 108			L3
Surrogate: 1,2-Dichlorobenzene-d4	*49.14*			*66.6667*		*73.7*	*12 - 125*			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/16/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1211 - MSSEMI_S (continued)										
LCS (B2C1211-BS1) - Continued						Prepared: 3/16/2022 Analyzed: 3/18/2022				
Surrogate: 2-Fluorobiphenyl	*57.95*			*66.6667*		*86.9*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*45.84*			*66.6667*		*68.8*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*75.32*			*66.6667*		*113*	*16 - 152*			
Matrix Spike (B2C1211-MS1)			**Source: 2200373-04**			Prepared: 3/16/2022 Analyzed: 3/18/2022				
2-Methylnaphthalene	55.0393	5.0	0.60	66.6667	ND	82.6	43 - 120			
Acenaphthene	65.3260	5.0	0.41	66.6667	ND	98.0	52 - 113			
Acenaphthylene	69.7967	5.0	0.41	66.6667	0.977333	103	44 - 126			
Anthracene	72.9880	5.0	0.56	66.6667	ND	109	49 - 128			
Benzo(a)anthracene	78.6653	5.0	0.56	66.6667	ND	118	32 - 158			
Benzo(a)pyrene	82.9860	5.0	0.69	66.6667	ND	124	39 - 137			
Benzo(b)fluoranthene	77.7027	5.0	2.2	66.6667	ND	117	52 - 132			
Benzo(g,h,i)perylene	73.6180	5.0	0.80	66.6667	ND	110	35 - 162			
Benzo(k)fluoranthene	76.6333	5.0	0.70	66.6667	ND	115	18 - 153			
Chrysene	77.4307	5.0	0.61	66.6667	ND	116	25 - 160			
Dibenz(a,h)anthracene	77.7113	5.0	0.88	66.6667	ND	117	41 - 155			
Fluoranthene	76.4747	5.0	0.45	66.6667	ND	115	5 - 185			
Fluorene	68.4480	5.0	0.35	66.6667	ND	103	28 - 135			
Indeno(1,2,3-cd)pyrene	75.4653	5.0	0.82	66.6667	ND	113	36 - 162			
Naphthalene	53.7027	5.0	0.56	66.6667	ND	80.6	41 - 113			
Phenanthrene	72.3187	5.0	0.34	66.6667	ND	108	35 - 143			
Pyrene	75.5193	5.0	0.51	66.6667	ND	113	10 - 184			
Surrogate: 1,2-Dichlorobenzene-d4	*53.38*			*66.6667*		*80.1*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*63.76*			*66.6667*		*95.6*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*49.97*			*66.6667*		*75.0*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*76.74*			*66.6667*		*115*	*16 - 152*			
Matrix Spike Dup (B2C1211-MSD1)			**Source: 2200373-04**			Prepared: 3/16/2022 Analyzed: 3/18/2022				
2-Methylnaphthalene	53.2300	5.0	0.60	66.6667	ND	79.8	43 - 120	3.34	20	
Acenaphthene	62.8560	5.0	0.41	66.6667	ND	94.3	52 - 113	3.85	20	
Acenaphthylene	67.7780	5.0	0.41	66.6667	0.977333	100	44 - 126	2.93	20	
Anthracene	72.1633	5.0	0.56	66.6667	ND	108	49 - 128	1.14	20	
Benzo(a)anthracene	76.6313	5.0	0.56	66.6667	ND	115	32 - 158	2.62	20	
Benzo(a)pyrene	80.8013	5.0	0.69	66.6667	ND	121	39 - 137	2.67	20	
Benzo(b)fluoranthene	76.4467	5.0	2.2	66.6667	ND	115	52 - 132	1.63	20	
Benzo(g,h,i)perylene	72.1953	5.0	0.80	66.6667	ND	108	35 - 162	1.95	20	
Benzo(k)fluoranthene	75.8053	5.0	0.70	66.6667	ND	114	18 - 153	1.09	20	
Chrysene	75.7420	5.0	0.61	66.6667	ND	114	25 - 160	2.20	20	
Dibenz(a,h)anthracene	76.3427	5.0	0.88	66.6667	ND	115	41 - 155	1.78	20	
Fluoranthene	75.6093	5.0	0.45	66.6667	ND	113	5 - 185	1.14	20	
Fluorene	66.5540	5.0	0.35	66.6667	ND	99.8	28 - 135	2.81	20	
Indeno(1,2,3-cd)pyrene	74.1387	5.0	0.82	66.6667	ND	111	36 - 162	1.77	20	
Naphthalene	52.1927	5.0	0.56	66.6667	ND	78.3	41 - 113	2.85	20	
Phenanthrene	71.9887	5.0	0.34	66.6667	ND	108	35 - 143	0.457	20	
Pyrene	75.1613	5.0	0.51	66.6667	ND	113	10 - 184	0.475	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1211 - MSSEMI_S (continued)									
Matrix Spike Dup (B2C1211-MSD1) - Continued			**Source: 2200373-04**		Prepared: 3/16/2022 Analyzed: 3/18/2022				
Surrogate: 1,2-Dichlorobenzene-d4	*51.20*		*66.6667*		*76.8*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*61.96*		*66.6667*		*92.9*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*48.46*		*66.6667*		*72.7*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*75.72*		*66.6667*		*114*	*16 - 152*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1334 - GCVOA_S										
Blank (B2C1334-BLK1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.7777*			*0.800000*		*97.2*	*47.6 - 121.18*			
LCS (B2C1334-BS1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
Gasoline Range Organics	4.95200	1.0	0.13	5.00000		99.0	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.8212*			*0.800000*		*103*	*47.6 - 121.18*			
LCS Dup (B2C1334-BSD1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
Gasoline Range Organics	4.79500	1.0	0.13	5.00000		95.9	68.69 - 124.04	3.22	20	
Surrogate: 4-Bromofluorobenzene	*0.8335*			*0.800000*		*104*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1228 - EPA 3050B_S										
Blank (B2C1228-BLK1)						Prepared: 3/17/2022 Analyzed: 3/18/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1228-BS1)						Prepared: 3/17/2022 Analyzed: 3/18/2022				
Antimony	23.4321	2.0	0.51	25.0000		93.7	80 - 120			
Arsenic	24.1302	1.0	0.12	25.0000		96.5	80 - 120			
Barium	23.2771	1.0	0.12	25.0000		93.1	80 - 120			
Beryllium	23.4176	1.0	0.03	25.0100		93.6	80 - 120			
Cadmium	23.8346	1.0	0.14	25.0000		95.3	80 - 120			
Chromium	23.8264	1.0	0.26	25.0000		95.3	80 - 120			
Cobalt	25.1965	1.0	0.07	25.0000		101	80 - 120			
Copper	23.2760	2.0	0.19	25.0000		93.1	80 - 120			
Lead	24.6896	1.0	0.18	25.0000		98.8	80 - 120			
Molybdenum	25.2551	1.0	0.12	25.0000		101	80 - 120			
Nickel	23.5134	1.0	0.18	25.0000		94.1	80 - 120			
Selenium	22.9703	1.0	0.40	25.0000		91.9	80 - 120			
Silver	11.8015	1.0	0.12	12.5000		94.4	80 - 120			
Thallium	24.2776	1.0	0.38	25.0000		97.1	80 - 120			
Vanadium	22.7326	1.0	0.06	25.0000		90.9	80 - 120			
Zinc	24.7572	1.0	0.15	25.0000		99.0	80 - 120			
Matrix Spike (B2C1228-MS1)			**Source: 2200373-01**			Prepared: 3/17/2022 Analyzed: 3/18/2022				
Antimony	14.1850	2.0	0.51	25.0000	0.679014	54.0	0 - 102			
Arsenic	22.7179	1.0	0.12	25.0000	ND	90.9	55 - 117			
Barium	123.422	1.0	0.12	25.0000	95.6106	111	11 - 177			
Beryllium	24.6369	1.0	0.03	25.0100	2.06207	90.3	64 - 115			
Cadmium	24.5846	1.0	0.14	25.0000	0.314739	97.1	62 - 116			
Chromium	35.7214	1.0	0.26	25.0000	12.9016	91.3	42 - 145			
Cobalt	27.8148	1.0	0.07	25.0000	4.74220	92.3	60 - 126			
Copper	33.9424	2.0	0.19	25.0000	9.80577	96.5	37 - 163			
Lead	24.4232	1.0	0.18	25.0000	2.23169	88.8	26 - 161			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/16/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1228 - EPA 3050B_S (continued)										
Matrix Spike (B2C1228-MS1) - Continued			**Source: 2200373-01**				Prepared: 3/17/2022 Analyzed: 3/18/2022			
Molybdenum	23.0280	1.0	0.12	25.0000	ND	92.1	31 - 122			
Nickel	28.5492	1.0	0.18	25.0000	5.66710	91.5	52 - 130			
Selenium	23.3500	1.0	0.40	25.0000	0.456184	91.6	25 - 129			
Silver	15.2326	1.0	0.12	12.5000	4.52879	85.6	48 - 133			
Thallium	21.7564	1.0	0.38	25.0000	ND	87.0	25 - 119			
Vanadium	49.7081	1.0	0.06	25.0000	25.8648	95.4	51 - 141			
Zinc	60.4098	1.0	0.15	25.0000	34.2525	105	8 - 170			
Matrix Spike Dup (B2C1228-MSD1)			**Source: 2200373-01**				Prepared: 3/17/2022 Analyzed: 3/18/2022			
Antimony	14.9053	2.0	0.51	25.0000	0.679014	56.9	0 - 102	4.95	20	
Arsenic	22.2738	1.0	0.12	25.0000	ND	89.1	55 - 117	1.97	20	
Barium	122.178	1.0	0.12	25.0000	95.6106	106	11 - 177	1.01	20	
Beryllium	24.6554	1.0	0.03	25.0100	2.06207	90.3	64 - 115	0.0751	20	
Cadmium	24.7642	1.0	0.14	25.0000	0.314739	97.8	62 - 116	0.728	20	
Chromium	35.4137	1.0	0.26	25.0000	12.9016	90.0	42 - 145	0.865	20	
Cobalt	28.0250	1.0	0.07	25.0000	4.74220	93.1	60 - 126	0.753	20	
Copper	32.3947	2.0	0.19	25.0000	9.80577	90.4	37 - 163	4.67	20	
Lead	24.9828	1.0	0.18	25.0000	2.23169	91.0	26 - 161	2.27	20	
Molybdenum	23.5063	1.0	0.12	25.0000	ND	94.0	31 - 122	2.06	20	
Nickel	29.0041	1.0	0.18	25.0000	5.66710	93.3	52 - 130	1.58	20	
Selenium	21.9704	1.0	0.40	25.0000	0.456184	86.1	25 - 129	6.09	20	
Silver	15.0949	1.0	0.12	12.5000	4.52879	84.5	48 - 133	0.908	20	
Thallium	22.0652	1.0	0.38	25.0000	ND	88.3	25 - 119	1.41	20	
Vanadium	49.3206	1.0	0.06	25.0000	25.8648	93.8	51 - 141	0.783	20	
Zinc	59.4119	1.0	0.15	25.0000	34.2525	101	8 - 170	1.67	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1226 - EPA 7471_S										
Blank (B2C1226-BLK1)						Prepared: 3/17/2022 Analyzed: 3/18/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1226-BS1)						Prepared: 3/17/2022 Analyzed: 3/18/2022				
Mercury	0.372198	0.10	0.01	0.416667		89.3	80 - 120			
Matrix Spike (B2C1226-MS1)			**Source: 2200373-01**			Prepared: 3/17/2022 Analyzed: 3/18/2022				
Mercury	0.385220	0.10	0.01	0.416667	0.063834	77.1	70 - 130			
Matrix Spike Dup (B2C1226-MSD1)			**Source: 2200373-01**			Prepared: 3/17/2022 Analyzed: 3/18/2022				
Mercury	0.382571	0.10	0.01	0.416667	0.063834	76.5	70 - 130	0.690	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1226 - EPA 7471_S									
Post Spike (B2C1226-PS1)			**Source: 2200373-01**		Prepared: 3/17/2022 Analyzed: 3/18/2022				
Mercury	0.005325		5.00000E-3	0.000766	91.2	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1215 - GCSEMI_DRO_S										
Blank (B2C1215-BLK1)						Prepared: 3/16/2022 Analyzed: 3/17/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*78.68*			*80.0000*		*98.3*	*62 - 141*			
LCS (B2C1215-BS1)						Prepared: 3/16/2022 Analyzed: 3/17/2022				
DRO	998.024	10	3.6	1000.00		99.8	56 - 139			
Surrogate: p-Terphenyl	*83.69*			*80.0000*		*105*	*62 - 141*			
Matrix Spike (B2C1215-MS1)			**Source: 2200386-03**			Prepared: 3/16/2022 Analyzed: 3/17/2022				
DRO	1164.29	10	3.6	1000.00	7.32900	116	38 - 161			
Surrogate: p-Terphenyl	*116.2*			*80.0000*		*145*	*62 - 141*			S10
Matrix Spike Dup (B2C1215-MSD1)			**Source: 2200386-03**			Prepared: 3/16/2022 Analyzed: 3/17/2022				
DRO	887.481	10	3.6	1000.00	7.32900	88.0	38 - 161	27.0	20	R
Surrogate: p-Terphenyl	*108.7*			*80.0000*		*136*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1222 - MSVOA_S										
Blank (B2C1222-BLK1)							Prepared: 3/17/2022 Analyzed: 3/17/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1222 - MSVOA_S (continued)										
Blank (B2C1222-BLK1) - Continued						Prepared: 3/17/2022 Analyzed: 3/17/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*72.69*			*50.0000*		*145*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*52.18*			*50.0000*		*104*	*50 - 146*			
Surrogate: Dibromofluoromethane	*52.46*			*50.0000*		*105*	*77 - 159*			
Surrogate: Toluene-d8	*56.40*			*50.0000*		*113*	*81 - 128*			
LCS (B2C1222-BS1)						Prepared: 3/17/2022 Analyzed: 3/17/2022				
1,1,1,2-Tetrachloroethane	44.6100	5.0	0.52	50.0000		89.2	84 - 123			
1,1,1-Trichloroethane	62.3200	5.0	0.26	50.0000		125	78 - 133			
1,1,2,2-Tetrachloroethane	39.9200	5.0	0.21	50.0000		79.8	63 - 127			
1,1,2-Trichloroethane	46.8400	5.0	0.40	50.0000		93.7	80 - 125			
1,1-Dichloroethane	47.4600	5.0	1.4	50.0000		94.9	77 - 128			
1,1-Dichloroethene	45.1800	5.0	1.9	50.0000		90.4	69 - 138			
1,1-Dichloropropene	47.5800	5.0	0.54	50.0000		95.2	80 - 133			
1,2,3-Trichloropropane	43.7300	5.0	0.40	50.0000		87.5	74 - 123			
1,2,3-Trichlorobenzene	45.9800	5.0	0.83	50.0000		92.0	79 - 133			
1,2,4-Trichlorobenzene	44.6700	5.0	0.80	50.0000		89.3	73 - 131			
1,2,4-Trimethylbenzene	46.3500	5.0	0.91	50.0000		92.7	86 - 137			
1,2-Dibromo-3-chloropropane	57.2200	10	1.1	50.0000		114	62 - 127			
1,2-Dibromoethane	45.8000	5.0	0.40	50.0000		91.6	83 - 126			
1,2-Dichlorobenzene	42.3100	5.0	0.21	50.0000		84.6	83 - 123			
1,2-Dichloroethane	64.3000	5.0	0.50	50.0000		129	76 - 128			L3

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1222 - MSVOA_S (continued)										
LCS (B2C1222-BS1) - Continued						Prepared: 3/17/2022 Analyzed: 3/17/2022				
1,2-Dichloropropane	44.4700	5.0	0.46	50.0000		88.9	77 - 121			
1,3,5-Trimethylbenzene	44.0900	5.0	0.70	50.0000		88.2	84 - 135			
1,3-Dichlorobenzene	41.6100	5.0	0.36	50.0000		83.2	81 - 126			
1,3-Dichloropropane	42.6300	5.0	0.49	50.0000		85.3	80 - 118			
1,4-Dichlorobenzene	42.4500	5.0	0.27	50.0000		84.9	80 - 124			
2,2-Dichloropropane	55.6600	5.0	0.28	50.0000		111	72 - 135			
2-Chlorotoluene	48.2200	5.0	0.53	50.0000		96.4	81 - 127			
4-Chlorotoluene	49.8500	5.0	0.40	50.0000		99.7	83 - 127			
4-Isopropyltoluene	46.1800	5.0	0.81	50.0000		92.4	82 - 143			
Benzene	48.2600	5.0	0.36	50.0000		96.5	84 - 123			
Bromobenzene	42.8800	5.0	0.62	50.0000		85.8	80 - 122			
Bromochloromethane	48.3200	5.0	0.30	50.0000		96.6	83 - 127			
Bromodichloromethane	56.9800	5.0	0.52	50.0000		114	82 - 123			
Bromoform	48.1400	5.0	1.4	50.0000		96.3	80 - 132			
Bromomethane	55.1800	5.0	2.5	50.0000		110	67 - 176			
Carbon disulfide	40.7600	5.0	0.94	50.0000		81.5	75 - 138			
Carbon tetrachloride	63.6000	5.0	0.73	50.0000		127	76 - 131			
Chlorobenzene	42.6700	5.0	0.42	50.0000		85.3	84 - 119			
Chloroethane	49.6000	5.0	1.5	50.0000		99.2	56 - 170			
Chloroform	53.6100	5.0	0.24	50.0000		107	78 - 129			
Chloromethane	38.8000	5.0	1.1	50.0000		77.6	63 - 141			
cis-1,2-Dichloroethene	64.9000	5.0	0.20	50.0000		130	83 - 125			L3
cis-1,3-Dichloropropene	46.6500	5.0	0.39	50.0000		93.3	76 - 129			
Di-isopropyl ether	42.1900	5.0	1.9	50.0000		84.4	73 - 132			
Dibromochloromethane	48.5600	5.0	0.81	50.0000		97.1	81 - 120			
Dibromomethane	50.2900	5.0	0.23	50.0000		101	79 - 124			
Dichlorodifluoromethane	48.0900	5.0	0.14	50.0000		96.2	18 - 199			
Ethyl Acetate	23.0600	50	7.0	500.000		4.61	76 - 138			MO
Ethyl Ether	514.750	50	17	500.000		103	74 - 128			
Ethyl tert-butyl ether	46.9200	5.0	0.85	50.0000		93.8	50 - 175			
Ethylbenzene	47.5900	5.0	0.43	50.0000		95.2	86 - 130			
Freon-113	47.7700	5.0	1.3	50.0000		95.5	66 - 132			
Hexachlorobutadiene	51.3700	5.0	0.40	50.0000		103	64 - 135			
Isopropylbenzene	45.1100	5.0	0.79	50.0000		90.2	80 - 133			
m,p-Xylene	96.0800	10	0.98	100.000		96.1	89 - 133			
Methylene chloride	42.6800	5.0	2.2	50.0000		85.4	72 - 143			
MTBE	47.5500	5.0	0.81	50.0000		95.1	73 - 136			
n-Butylbenzene	47.0400	5.0	1.2	50.0000		94.1	76 - 144			
n-Propylbenzene	45.7400	5.0	0.78	50.0000		91.5	81 - 136			
Naphthalene	36.1700	5.0	1.1	50.0000		72.3	64 - 128			
o-Xylene	48.6300	5.0	0.67	50.0000		97.3	82 - 134			
sec-Butylbenzene	44.5000	5.0	0.63	50.0000		89.0	81 - 138			
Styrene	42.2100	5.0	0.45	50.0000		84.4	79 - 152			
tert-Amyl methyl ether	43.8200	5.0	1.1	50.0000		87.6	48 - 166			
tert-Butanol	206.530	100	11	250.000		82.6	48 - 148			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1222 - MSVOA_S (continued)										
LCS (B2C1222-BS1) - Continued						Prepared: 3/17/2022 Analyzed: 3/17/2022				
tert-Butylbenzene	43.4000	5.0	0.80	50.0000		86.8	81 - 135			
Tetrachloroethene	44.5900	5.0	0.31	50.0000		89.2	75 - 127			
Toluene	50.8300	5.0	0.27	50.0000		102	88 - 130			
trans-1,2-Dichloroethene	36.8700	5.0	0.56	50.0000		73.7	79 - 127			L3
trans-1,3-Dichloropropene	51.4500	5.0	0.59	50.0000		103	80 - 130			
Trichloroethene	47.0100	5.0	0.32	50.0000		94.0	83 - 126			
Trichlorofluoromethane	66.3800	5.0	1.0	50.0000		133	62 - 143			
Vinyl acetate	97.2200	50	6.0	500.000		19.4	69 - 150			MO
Vinyl chloride	43.2400	5.0	0.92	50.0000		86.5	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*70.77*			*50.0000*		*142*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*54.84*			*50.0000*		*110*	*50 - 146*			
Surrogate: Dibromofluoromethane	*54.21*			*50.0000*		*108*	*77 - 159*			
Surrogate: Toluene-d8	*57.87*			*50.0000*		*116*	*81 - 128*			
LCS Dup (B2C1222-BSD1)						Prepared: 3/17/2022 Analyzed: 3/17/2022				
1,1,1,2-Tetrachloroethane	45.3800	5.0	0.52	50.0000		90.8	84 - 123	1.71	20	
1,1,1-Trichloroethane	66.7700	5.0	0.26	50.0000		134	78 - 133	6.89	20	L4
1,1,2,2-Tetrachloroethane	40.7800	5.0	0.21	50.0000		81.6	63 - 127	2.13	20	
1,1,2-Trichloroethane	42.5000	5.0	0.40	50.0000		85.0	80 - 125	9.72	20	
1,1-Dichloroethane	51.5400	5.0	1.4	50.0000		103	77 - 128	8.24	20	
1,1-Dichloroethene	49.5200	5.0	1.9	50.0000		99.0	69 - 138	9.17	20	
1,1-Dichloropropene	44.7400	5.0	0.54	50.0000		89.5	80 - 133	6.15	20	
1,2,3-Trichloropropane	41.4700	5.0	0.40	50.0000		82.9	74 - 123	5.31	20	
1,2,3-Trichlorobenzene	43.1500	5.0	0.83	50.0000		86.3	79 - 133	6.35	20	
1,2,4-Trichlorobenzene	44.6700	5.0	0.80	50.0000		89.3	73 - 131	0.00	20	
1,2,4-Trimethylbenzene	43.7400	5.0	0.91	50.0000		87.5	86 - 137	5.79	20	
1,2-Dibromo-3-chloropropane	57.0200	10	1.1	50.0000		114	62 - 127	0.350	20	
1,2-Dibromoethane	43.5200	5.0	0.40	50.0000		87.0	83 - 126	5.11	20	
1,2-Dichlorobenzene	42.0200	5.0	0.21	50.0000		84.0	83 - 123	0.688	20	
1,2-Dichloroethane	61.9400	5.0	0.50	50.0000		124	76 - 128	3.74	20	
1,2-Dichloropropane	42.6800	5.0	0.46	50.0000		85.4	77 - 121	4.11	20	
1,3,5-Trimethylbenzene	45.1400	5.0	0.70	50.0000		90.3	84 - 135	2.35	20	
1,3-Dichlorobenzene	40.4400	5.0	0.36	50.0000		80.9	81 - 126	2.85	20	L3
1,3-Dichloropropane	43.2300	5.0	0.49	50.0000		86.5	80 - 118	1.40	20	
1,4-Dichlorobenzene	40.9700	5.0	0.27	50.0000		81.9	80 - 124	3.55	20	
2,2-Dichloropropane	61.8600	5.0	0.28	50.0000		124	72 - 135	10.6	20	
2-Chlorotoluene	46.6300	5.0	0.53	50.0000		93.3	81 - 127	3.35	20	
4-Chlorotoluene	49.4200	5.0	0.40	50.0000		98.8	83 - 127	0.866	20	
4-Isopropyltoluene	46.3400	5.0	0.81	50.0000		92.7	82 - 143	0.346	20	
Benzene	46.7300	5.0	0.36	50.0000		93.5	84 - 123	3.22	20	
Bromobenzene	41.1000	5.0	0.62	50.0000		82.2	80 - 122	4.24	20	
Bromochloromethane	47.0800	5.0	0.30	50.0000		94.2	83 - 127	2.60	20	
Bromodichloromethane	53.8000	5.0	0.52	50.0000		108	82 - 123	5.74	20	
Bromoform	50.3700	5.0	1.4	50.0000		101	80 - 132	4.53	20	
Bromomethane	58.1000	5.0	2.5	50.0000		116	67 - 176	5.16	20	

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/16/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1222 - MSVOA_S (continued)										
LCS Dup (B2C1222-BSD1) - Continued					Prepared: 3/17/2022 Analyzed: 3/17/2022					
Carbon disulfide	43.8800	5.0	0.94	50.0000		87.8	75 - 138	7.37	20	
Carbon tetrachloride	66.0400	5.0	0.73	50.0000		132	76 - 131	3.76	20	L4
Chlorobenzene	43.0600	5.0	0.42	50.0000		86.1	84 - 119	0.910	20	
Chloroethane	54.8300	5.0	1.5	50.0000		110	56 - 170	10.0	20	
Chloroform	54.8800	5.0	0.24	50.0000		110	78 - 129	2.34	20	
Chloromethane	39.4200	5.0	1.1	50.0000		78.8	63 - 141	1.59	20	
cis-1,2-Dichloroethene	66.7200	5.0	0.20	50.0000		133	83 - 125	2.77	20	L5
cis-1,3-Dichloropropene	45.0300	5.0	0.39	50.0000		90.1	76 - 129	3.53	20	
Di-isopropyl ether	43.6200	5.0	1.9	50.0000		87.2	73 - 132	3.33	20	
Dibromochloromethane	48.6700	5.0	0.81	50.0000		97.3	81 - 120	0.226	20	
Dibromomethane	49.7500	5.0	0.23	50.0000		99.5	79 - 124	1.08	20	
Dichlorodifluoromethane	51.1600	5.0	0.14	50.0000		102	18 - 199	6.19	20	
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138	NR	20	MO
Ethyl Ether	531.740	50	17	500.000		106	74 - 128	3.25	20	
Ethyl tert-butyl ether	46.9800	5.0	0.85	50.0000		94.0	50 - 175	0.128	20	
Ethylbenzene	48.9700	5.0	0.43	50.0000		97.9	86 - 130	2.86	20	
Freon-113	52.8600	5.0	1.3	50.0000		106	66 - 132	10.1	20	
Hexachlorobutadiene	56.8800	5.0	0.40	50.0000		114	64 - 135	10.2	20	
Isopropylbenzene	45.5200	5.0	0.79	50.0000		91.0	80 - 133	0.905	20	
m,p-Xylene	98.1300	10	0.98	100.000		98.1	89 - 133	2.11	20	
Methylene chloride	47.1700	5.0	2.2	50.0000		94.3	72 - 143	9.99	20	
MTBE	48.2600	5.0	0.81	50.0000		96.5	73 - 136	1.48	20	
n-Butylbenzene	46.9900	5.0	1.2	50.0000		94.0	76 - 144	0.106	20	
n-Propylbenzene	46.7800	5.0	0.78	50.0000		93.6	81 - 136	2.25	20	
Naphthalene	34.2800	5.0	1.1	50.0000		68.6	64 - 128	5.37	20	
o-Xylene	49.2200	5.0	0.67	50.0000		98.4	82 - 134	1.21	20	
sec-Butylbenzene	44.4300	5.0	0.63	50.0000		88.9	81 - 138	0.157	20	
Styrene	41.7100	5.0	0.45	50.0000		83.4	79 - 152	1.19	20	
tert-Amyl methyl ether	45.0200	5.0	1.1	50.0000		90.0	48 - 166	2.70	20	
tert-Butanol	212.700	100	11	250.000		85.1	48 - 148	2.94	20	
tert-Butylbenzene	45.7700	5.0	0.80	50.0000		91.5	81 - 135	5.32	20	
Tetrachloroethene	48.2500	5.0	0.31	50.0000		96.5	75 - 127	7.88	20	
Toluene	49.6200	5.0	0.27	50.0000		99.2	88 - 130	2.41	20	
trans-1,2-Dichloroethene	38.6800	5.0	0.56	50.0000		77.4	79 - 127	4.79	20	L3
trans-1,3-Dichloropropene	50.0600	5.0	0.59	50.0000		100	80 - 130	2.74	20	
Trichloroethene	47.1000	5.0	0.32	50.0000		94.2	83 - 126	0.191	20	
Trichlorofluoromethane	71.5100	5.0	1.0	50.0000		143	62 - 143	7.44	20	L4
Vinyl acetate	99.4500	50	6.0	500.000		19.9	69 - 150	2.27	20	MO
Vinyl chloride	49.4900	5.0	0.92	50.0000		99.0	69 - 140	13.5	20	
Surrogate: 1,2-Dichloroethane-d4	*73.46*			*50.0000*		*147*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*55.20*			*50.0000*		*110*	*50 - 146*			
Surrogate: Dibromofluoromethane	*55.82*			*50.0000*		*112*	*77 - 159*			
Surrogate: Toluene-d8	*56.11*			*50.0000*		*112*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: ~~3/14/22~~ 3/14/22
Page 1 of 2

2200373

3.0°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) Tiam Navin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	62-13-5-1	3/14/22	0814	Soil	1	1			X									
2	62-13-5-5.5	"	0826	"	5	1	4			X	X	X		X				
3	62-13-7-1	"	0855	"	1	1			X									
4	62-13-7-5.5	"	0910	"	5	1	4			X	X	X		X				
5	62-13-6-1	"	0938	"	1	1			X									
6	62-13-6-5.5	"	0946	"	5	1	4			X	X	X		X				
7	62-13-4-1	"	1038	"	1	1			X									
8	62-13-4-5.5	"	1048	"	5	1	4			X	X	X		X				
9	62-13-1-1	"	1142	"	1	1			X									
10	62-13-1-5.5	"	1150	"	5	1	4			X	X	X		X				
11	62-13-3-1	"	1304	"	1	1			X									
12	62-13-3-5.5	"	1312	"	5	1	4			X	X	X		X				
13	62-13-2-1	"	1338	"	1	1			X									
14	62-13-2-5.5	"	1344	"	5	1	4			X	X	X		X				
15	TB_20220314	"	1355	Water	4		4											X

Relinquished by: (Signature)		Received by: (Signature)	Date: 3/14/22 Time: 1736
Relinquished by: (Signature)	3/14/22 18:51	Received by: (Signature)	Date: 3/14/22 Time: 18:51
Relinquished by: (Signature)		Received by: (Signature)	Date: Time:

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/14/22

Page 2 of 2

2200373

3.0°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tiam Novin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
16	EB_20220314	3/14/22	1420	water	5	1	4											X

JCV

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/14/22	Time: 1736
Relinquished by: (Signature) 3/14/22 18:51	Received by: (Signature)	Date: 3/14/22	Time: 18:51
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 24, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200390
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 15, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,



Christine Caballero, Client Relations Manager
Christine.Caballero@atlglobal.com
Authorized to Release on 03/24/22 20:52 on Behalf of



Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-32-7-1	2200390-01	Soil	3/15/22 8:52	3/15/22 19:08
61W-32-7-5.5	2200390-02	Soil	3/15/22 9:04	3/15/22 19:08
61W-32-6-1	2200390-03	Soil	3/15/22 9:23	3/15/22 19:08
61W-32-6-5.5	2200390-04	Soil	3/15/22 9:33	3/15/22 19:08
61W-32-4-1	2200390-05	Soil	3/15/22 9:55	3/15/22 19:08
61W-32-4-5.5	2200390-06	Soil	3/15/22 10:05	3/15/22 19:08
61W-32-5-1	2200390-07	Soil	3/15/22 10:22	3/15/22 19:08
61W-32-5-5.5	2200390-08	Soil	3/15/22 10:33	3/15/22 19:08
61W-32-2-1	2200390-09	Soil	3/15/22 10:47	3/15/22 19:08
61W-32-2-5.5	2200390-10	Soil	3/15/22 10:59	3/15/22 19:08
61W-32-1-1	2200390-11	Soil	3/15/22 11:23	3/15/22 19:08
61W-32-1-5.5	2200390-12	Soil	3/15/22 11:34	3/15/22 19:08
61W-30-6-1	2200390-13	Soil	3/15/22 12:20	3/15/22 19:08
61W-30-6-5.5	2200390-14	Soil	3/15/22 12:30	3/15/22 19:08
61W-32-3-1	2200390-16	Soil	3/15/22 13:46	3/15/22 19:08
61W-32-3-5.5	2200390-17	Soil	3/15/22 13:53	3/15/22 19:08

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Notes and Definitions

MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200390-01	61W-32-7-1	**ND**	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22 14:10	
2200390-03	61W-32-6-1	**ND**	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22 14:19	
2200390-05	61W-32-4-1	**ND**	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22 14:22	
2200390-07	61W-32-5-1	**ND**	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22 14:26	
2200390-09	61W-32-2-1	**ND**	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22 14:29	
2200390-11	61W-32-1-1	**ND**	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22 14:33	
2200390-13	61W-30-6-1	**ND**	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22 14:35	
2200390-16	61W-32-3-1	**ND**	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22 14:39	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-7-1

Lab ID: 2200390-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Barium	**150**	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Beryllium	**3.7**	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Chromium	**21**	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Cobalt	**8.0**	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Copper	**14**	2.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Lead	**3.5**	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Nickel	**9.3**	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Selenium	**1.4**	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Silver	**8.1**	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Vanadium	**42**	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Zinc	**50**	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-7-5.5
Lab ID: 2200390-02

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 17:38	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 17:38	
Surrogate: p-Terphenyl	*114 %*	*62 - 141*		B2C1250	03/18/2022	*03/18/22 17:38*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,1,1-Trichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,1,2-Trichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,1-Dichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,1-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,1-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2,3-Trichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2-Dibromoethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2-Dichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,3-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,3-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,4-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
2,2-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
2-Chlorotoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
4-Chlorotoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
4-Isopropyltoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Benzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Bromobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Bromochloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Bromodichloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Bromoform	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Bromomethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Carbon disulfide	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Carbon tetrachloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Chlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-7-5.5
Lab ID: 2200390-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Chloroform	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Chloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Di-isopropyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Dibromochloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Dibromomethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Dichlorodifluoromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Ethyl Acetate	ND	41	1	B2C1222	03/17/2022	03/17/22 17:05	
Ethyl Ether	ND	41	1	B2C1222	03/17/2022	03/17/22 17:05	
Ethyl tert-butyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Ethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Freon-113	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Hexachlorobutadiene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Isopropylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
m,p-Xylene	ND	8.2	1	B2C1222	03/17/2022	03/17/22 17:05	
Methylene chloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
MTBE	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
n-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
n-Propylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Naphthalene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
o-Xylene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
sec-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Styrene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
tert-Amyl methyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
tert-Butanol	ND	82	1	B2C1222	03/17/2022	03/17/22 17:05	
tert-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Tetrachloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Toluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Trichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Trichlorofluoromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Vinyl acetate	ND	41	1	B2C1222	03/17/2022	03/17/22 17:05	
Vinyl chloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Surrogate: 1,2-Dichloroethane-d4	*162 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 17:05*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 17:05*	
Surrogate: Dibromofluoromethane	*109 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 17:05*	
Surrogate: Toluene-d8	*110 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 17:05*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-7-5.5
Lab ID: 2200390-02

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.78	1	B2C1365	03/24/2022	03/24/22 14:04	
Surrogate: 4-Bromofluorobenzene	*87.9 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 14:04*	

Client Sample ID: 61W-32-6-1
Lab ID: 2200390-03

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Barium	**220**	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Beryllium	**5.7**	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Chromium	**27**	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Cobalt	**13**	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Copper	**25**	2.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Lead	**5.3**	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Nickel	**14**	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Selenium	**1.3**	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Silver	**13**	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Vanadium	**60**	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Zinc	**66**	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-6-5.5
Lab ID: 2200390-04

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 17:59	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 17:59	
Surrogate: p-Terphenyl	*108 %*	*62 - 141*		B2C1250	03/18/2022	*03/18/22 17:59*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,1,1-Trichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,1,2-Trichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,1-Dichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,1-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,1-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2,3-Trichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2-Dibromoethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2-Dichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,3-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,3-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,4-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
2,2-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
2-Chlorotoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
4-Chlorotoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
4-Isopropyltoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Benzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Bromobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Bromochloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Bromodichloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Bromoform	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Bromomethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Carbon disulfide	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Carbon tetrachloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Chlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-6-5.5
Lab ID: 2200390-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Chloroform	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Chloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Di-isopropyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Dibromochloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Dibromomethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Dichlorodifluoromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Ethyl Acetate	ND	43	1	B2C1222	03/17/2022	03/17/22 17:31	
Ethyl Ether	ND	43	1	B2C1222	03/17/2022	03/17/22 17:31	
Ethyl tert-butyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Ethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Freon-113	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Hexachlorobutadiene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Isopropylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
m,p-Xylene	ND	8.6	1	B2C1222	03/17/2022	03/17/22 17:31	
Methylene chloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
MTBE	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
n-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
n-Propylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Naphthalene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
o-Xylene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
sec-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Styrene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
tert-Amyl methyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
tert-Butanol	ND	86	1	B2C1222	03/17/2022	03/17/22 17:31	
tert-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Tetrachloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Toluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Trichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Trichlorofluoromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Vinyl acetate	ND	43	1	B2C1222	03/17/2022	03/17/22 17:31	
Vinyl chloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Surrogate: 1,2-Dichloroethane-d4	*157 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 17:31*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 17:31*	
Surrogate: Dibromofluoromethane	*103 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 17:31*	
Surrogate: Toluene-d8	*112 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 17:31*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-6-5.5
Lab ID: 2200390-04

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) — **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.85	1	B2C1365	03/24/2022	03/24/22 14:28	
Surrogate: 4-Bromofluorobenzene	*78.1 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 14:28*	

Client Sample ID: 61W-32-4-1
Lab ID: 2200390-05

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Barium	**120**	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Beryllium	**3.4**	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Chromium	**18**	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Cobalt	**6.5**	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Copper	**13**	2.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Lead	**3.0**	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Nickel	**8.3**	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Selenium	**2.3**	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Silver	**7.2**	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Vanadium	**37**	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Zinc	**53**	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-4-5.5
Lab ID: 2200390-06

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 18:19	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 18:19	
Surrogate: p-Terphenyl	*106 %*	*62 - 141*		B2C1250	03/18/2022	*03/18/22 18:19*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,1,1-Trichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,1,2-Trichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,1-Dichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,1-Dichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,1-Dichloropropene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2,3-Trichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2-Dibromo-3-chloropropane	ND	9.5	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2-Dibromoethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2-Dichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2-Dichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2-Dichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,3-Dichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,3-Dichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,4-Dichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
2,2-Dichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
2-Chlorotoluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
4-Chlorotoluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
4-Isopropyltoluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Benzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Bromobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Bromochloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Bromodichloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Bromoform	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Bromomethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Carbon disulfide	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Carbon tetrachloride	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Chlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-4-5.5
Lab ID: 2200390-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Chloroform	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Chloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Di-isopropyl ether	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Dibromochloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Dibromomethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Dichlorodifluoromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Ethyl Acetate	ND	47	1	B2C1222	03/17/2022	03/17/22 17:57	
Ethyl Ether	ND	47	1	B2C1222	03/17/2022	03/17/22 17:57	
Ethyl tert-butyl ether	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Ethylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Freon-113	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Hexachlorobutadiene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Isopropylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
m,p-Xylene	ND	9.5	1	B2C1222	03/17/2022	03/17/22 17:57	
Methylene chloride	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
MTBE	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
n-Butylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
n-Propylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Naphthalene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
o-Xylene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
sec-Butylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Styrene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
tert-Amyl methyl ether	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
tert-Butanol	ND	95	1	B2C1222	03/17/2022	03/17/22 17:57	
tert-Butylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Tetrachloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Toluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Trichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Trichlorofluoromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Vinyl acetate	ND	47	1	B2C1222	03/17/2022	03/17/22 17:57	
Vinyl chloride	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Surrogate: 1,2-Dichloroethane-d4	*172 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 17:57*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 17:57*	
Surrogate: Dibromofluoromethane	*115 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 17:57*	
Surrogate: Toluene-d8	*113 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 17:57*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-4-5.5
Lab ID: 2200390-06

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) — **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.95	1	B2C1365	03/24/2022	03/24/22 14:52	
Surrogate: 4-Bromofluorobenzene	*82.3 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 14:52*	

Client Sample ID: 61W-32-5-1
Lab ID: 2200390-07

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Barium	**140**	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Beryllium	**4.0**	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Chromium	**22**	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Cobalt	**8.4**	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Copper	**14**	2.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Lead	**3.4**	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Nickel	**10**	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Selenium	**1.7**	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Silver	**8.8**	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Vanadium	**44**	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Zinc	**58**	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-5-5.5
Lab ID: 2200390-08

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 18:40	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 18:40	
Surrogate: p-Terphenyl	*109 %*	*62 - 141*		B2C1250	03/18/2022	*03/18/22 18:40*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,1,1-Trichloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,1,2-Trichloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,1-Dichloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,1-Dichloroethene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,1-Dichloropropene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2,3-Trichloropropane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2-Dibromo-3-chloropropane	ND	7.8	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2-Dibromoethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2-Dichlorobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2-Dichloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2-Dichloropropane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,3-Dichlorobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,3-Dichloropropane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,4-Dichlorobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
2,2-Dichloropropane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
2-Chlorotoluene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
4-Chlorotoluene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
4-Isopropyltoluene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Benzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Bromobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Bromochloromethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Bromodichloromethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Bromoform	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Bromomethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Carbon disulfide	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Carbon tetrachloride	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Chlorobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-5-5.5
Lab ID: 2200390-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Chloroform	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Chloromethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Di-isopropyl ether	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Dibromochloromethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Dibromomethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Dichlorodifluoromethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Ethyl Acetate	ND	39	1	B2C1222	03/17/2022	03/17/22 18:22	
Ethyl Ether	ND	39	1	B2C1222	03/17/2022	03/17/22 18:22	
Ethyl tert-butyl ether	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Ethylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Freon-113	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Hexachlorobutadiene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Isopropylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
m,p-Xylene	ND	7.8	1	B2C1222	03/17/2022	03/17/22 18:22	
Methylene chloride	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
MTBE	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
n-Butylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
n-Propylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Naphthalene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
o-Xylene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
sec-Butylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Styrene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
tert-Amyl methyl ether	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
tert-Butanol	ND	78	1	B2C1222	03/17/2022	03/17/22 18:22	
tert-Butylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Tetrachloroethene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Toluene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Trichloroethene	**3.9**	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Trichlorofluoromethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Vinyl acetate	ND	39	1	B2C1222	03/17/2022	03/17/22 18:22	
Vinyl chloride	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Surrogate: 1,2-Dichloroethane-d4	*180 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 18:22*	
Surrogate: 4-Bromofluorobenzene	*105 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 18:22*	
Surrogate: Dibromofluoromethane	*116 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 18:22*	
Surrogate: Toluene-d8	*111 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 18:22*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-5-5.5
Lab ID: 2200390-08

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) — **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.75	1	B2C1365	03/24/2022	03/24/22 15:15	
Surrogate: 4-Bromofluorobenzene	*89.3 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 15:15*	

Client Sample ID: 61W-32-2-1
Lab ID: 2200390-09

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Barium	**120**	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Beryllium	**3.6**	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Chromium	**21**	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Cobalt	**7.6**	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Copper	**17**	2.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Lead	**3.5**	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Nickel	**9.5**	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Selenium	**1.6**	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Silver	**7.8**	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Vanadium	**42**	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Zinc	**57**	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-2-5.5
Lab ID: 2200390-10

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 19:01	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 19:01	
Surrogate: p-Terphenyl	*95.3 %*	*62 - 141*		B2C1250	03/18/2022	*03/18/22 19:01*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,1,1-Trichloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,1,2-Trichloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,1-Dichloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,1-Dichloroethene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,1-Dichloropropene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2,3-Trichloropropane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2,3-Trichlorobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2,4-Trichlorobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2,4-Trimethylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2-Dibromo-3-chloropropane	ND	7.4	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2-Dibromoethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2-Dichlorobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2-Dichloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2-Dichloropropane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,3,5-Trimethylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,3-Dichlorobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,3-Dichloropropane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,4-Dichlorobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
2,2-Dichloropropane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
2-Chlorotoluene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
4-Chlorotoluene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
4-Isopropyltoluene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Benzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Bromobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Bromochloromethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Bromodichloromethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Bromoform	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Bromomethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Carbon disulfide	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Carbon tetrachloride	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Chlorobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-2-5.5
Lab ID: 2200390-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Chloroform	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Chloromethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
cis-1,2-Dichloroethene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
cis-1,3-Dichloropropene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Di-isopropyl ether	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Dibromochloromethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Dibromomethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Dichlorodifluoromethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Ethyl Acetate	ND	37	1	B2C1222	03/17/2022	03/17/22 18:48	
Ethyl Ether	ND	37	1	B2C1222	03/17/2022	03/17/22 18:48	
Ethyl tert-butyl ether	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Ethylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Freon-113	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Hexachlorobutadiene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Isopropylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
m,p-Xylene	ND	7.4	1	B2C1222	03/17/2022	03/17/22 18:48	
Methylene chloride	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
MTBE	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
n-Butylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
n-Propylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Naphthalene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
o-Xylene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
sec-Butylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Styrene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
tert-Amyl methyl ether	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
tert-Butanol	ND	74	1	B2C1222	03/17/2022	03/17/22 18:48	
tert-Butylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Tetrachloroethene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Toluene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
trans-1,2-Dichloroethene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
trans-1,3-Dichloropropene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Trichloroethene	**3.8**	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Trichlorofluoromethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Vinyl acetate	ND	37	1	B2C1222	03/17/2022	03/17/22 18:48	
Vinyl chloride	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Surrogate: 1,2-Dichloroethane-d4	*175 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 18:48*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 18:48*	
Surrogate: Dibromofluoromethane	*119 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 18:48*	
Surrogate: Toluene-d8	*110 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 18:48*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-2-5.5
Lab ID: 2200390-10

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1365	03/24/2022	03/24/22 15:39	
Surrogate: 4-Bromofluorobenzene	*92.8 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 15:39*	

Client Sample ID: 61W-32-1-1
Lab ID: 2200390-11

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Barium	**130**	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Beryllium	**3.3**	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Chromium	**19**	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Cobalt	**7.0**	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Copper	**13**	2.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Lead	**3.2**	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Nickel	**8.6**	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Selenium	**1.1**	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Silver	**7.2**	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Vanadium	**39**	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Zinc	**51**	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-1-5.5
Lab ID: 2200390-12

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 19:22	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 19:22	
Surrogate: p-Terphenyl	*100 %*	*62 - 141*		B2C1250	03/18/2022	*03/18/22 19:22*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,1,1-Trichloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,1,2,2-Tetrachloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,1,2-Trichloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,1-Dichloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,1-Dichloroethene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,1-Dichloropropene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2,3-Trichloropropane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2,3-Trichlorobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2,4-Trichlorobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2,4-Trimethylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2-Dibromo-3-chloropropane	ND	7.6	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2-Dibromoethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2-Dichlorobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2-Dichloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2-Dichloropropane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,3,5-Trimethylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,3-Dichlorobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,3-Dichloropropane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,4-Dichlorobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
2,2-Dichloropropane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
2-Chlorotoluene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
4-Chlorotoluene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
4-Isopropyltoluene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Benzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Bromobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Bromochloromethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Bromodichloromethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Bromoform	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Bromomethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Carbon disulfide	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Carbon tetrachloride	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Chlorobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-1-5.5
Lab ID: 2200390-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Chloroform	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Chloromethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
cis-1,2-Dichloroethene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
cis-1,3-Dichloropropene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Di-isopropyl ether	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Dibromochloromethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Dibromomethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Dichlorodifluoromethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Ethyl Acetate	ND	38	1	B2C1222	03/17/2022	03/17/22 19:14	
Ethyl Ether	ND	38	1	B2C1222	03/17/2022	03/17/22 19:14	
Ethyl tert-butyl ether	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Ethylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Freon-113	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Hexachlorobutadiene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Isopropylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
m,p-Xylene	ND	7.6	1	B2C1222	03/17/2022	03/17/22 19:14	
Methylene chloride	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
MTBE	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
n-Butylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
n-Propylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Naphthalene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
o-Xylene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
sec-Butylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Styrene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
tert-Amyl methyl ether	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
tert-Butanol	ND	76	1	B2C1222	03/17/2022	03/17/22 19:14	
tert-Butylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Tetrachloroethene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Toluene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
trans-1,2-Dichloroethene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
trans-1,3-Dichloropropene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Trichloroethene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Trichlorofluoromethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Vinyl acetate	ND	38	1	B2C1222	03/17/2022	03/17/22 19:14	
Vinyl chloride	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Surrogate: 1,2-Dichloroethane-d4	*153 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 19:14*	
Surrogate: 4-Bromofluorobenzene	*105 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 19:14*	
Surrogate: Dibromofluoromethane	*104 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 19:14*	
Surrogate: Toluene-d8	*109 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 19:14*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-1-5.5
Lab ID: 2200390-12

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) — **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.77	1	B2C1365	03/24/2022	03/24/22 16:02	
Surrogate: 4-Bromofluorobenzene	*86.2 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 16:02*	

Client Sample ID: 61W-30-6-1
Lab ID: 2200390-13

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Barium	**100**	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Beryllium	**2.8**	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Chromium	**16**	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Cobalt	**5.8**	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Copper	**9.9**	2.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Lead	**2.5**	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Nickel	**7.4**	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Selenium	**2.0**	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Silver	**6.0**	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Vanadium	**34**	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Zinc	**45**	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-30-6-5.5
Lab ID: 2200390-14

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 19:43	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 19:43	
Surrogate: p-Terphenyl	*101 %*	*62 - 141*		B2C1250	03/18/2022	*03/18/22 19:43*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,1,1-Trichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,1,2-Trichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,1-Dichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,1-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,1-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2,3-Trichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2-Dibromo-3-chloropropane	ND	8.5	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2-Dibromoethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2-Dichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,3-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,3-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,4-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
2,2-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
2-Chlorotoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
4-Chlorotoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
4-Isopropyltoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Benzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Bromobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Bromochloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Bromodichloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Bromoform	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Bromomethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Carbon disulfide	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Carbon tetrachloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Chlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-30-6-5.5
Lab ID: 2200390-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Chloroform	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Chloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Di-isopropyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Dibromochloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Dibromomethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Dichlorodifluoromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Ethyl Acetate	ND	43	1	B2C1222	03/17/2022	03/17/22 19:39	
Ethyl Ether	ND	43	1	B2C1222	03/17/2022	03/17/22 19:39	
Ethyl tert-butyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Ethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Freon-113	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Hexachlorobutadiene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Isopropylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
m,p-Xylene	ND	8.5	1	B2C1222	03/17/2022	03/17/22 19:39	
Methylene chloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
MTBE	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
n-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
n-Propylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Naphthalene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
o-Xylene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
sec-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Styrene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
tert-Amyl methyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
tert-Butanol	ND	85	1	B2C1222	03/17/2022	03/17/22 19:39	
tert-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Tetrachloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Toluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Trichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Trichlorofluoromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Vinyl acetate	ND	43	1	B2C1222	03/17/2022	03/17/22 19:39	
Vinyl chloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Surrogate: 1,2-Dichloroethane-d4	*170 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 19:39*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 19:39*	
Surrogate: Dibromofluoromethane	*114 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 19:39*	
Surrogate: Toluene-d8	*111 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 19:39*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-30-6-5.5
Lab ID: 2200390-14

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) — **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.83	1	B2C1365	03/24/2022	03/24/22 16:26	
Surrogate: 4-Bromofluorobenzene	*91.7 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 16:26*	

Client Sample ID: 61W-32-3-1
Lab ID: 2200390-16

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Barium	**130**	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Beryllium	**3.5**	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Chromium	**20**	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Cobalt	**7.6**	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Copper	**15**	2.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Lead	**3.1**	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Nickel	**9.4**	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Selenium	**1.9**	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Silver	**7.7**	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Vanadium	**40**	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Zinc	**51**	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-3-5.5
Lab ID: 2200390-17

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 20:04	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 20:04	
Surrogate: p-Terphenyl	*92.7 %*	*62 - 141*		B2C1250	03/18/2022	*03/18/22 20:04*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,1,1-Trichloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,1,2,2-Tetrachloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,1,2-Trichloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,1-Dichloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,1-Dichloroethene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,1-Dichloropropene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2,3-Trichloropropane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2,3-Trichlorobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2,4-Trichlorobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2,4-Trimethylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2-Dibromo-3-chloropropane	ND	7.1	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2-Dibromoethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2-Dichlorobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2-Dichloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2-Dichloropropane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,3,5-Trimethylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,3-Dichlorobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,3-Dichloropropane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,4-Dichlorobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
2,2-Dichloropropane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
2-Chlorotoluene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
4-Chlorotoluene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
4-Isopropyltoluene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Benzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Bromobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Bromochloromethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Bromodichloromethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Bromoform	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Bromomethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Carbon disulfide	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Carbon tetrachloride	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Chlorobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-3-5.5
Lab ID: 2200390-17

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Chloroform	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Chloromethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
cis-1,2-Dichloroethene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
cis-1,3-Dichloropropene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Di-isopropyl ether	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Dibromochloromethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Dibromomethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Dichlorodifluoromethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Ethyl Acetate	ND	36	1	B2C1222	03/17/2022	03/17/22 20:05	
Ethyl Ether	ND	36	1	B2C1222	03/17/2022	03/17/22 20:05	
Ethyl tert-butyl ether	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Ethylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Freon-113	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Hexachlorobutadiene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Isopropylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
m,p-Xylene	ND	7.1	1	B2C1222	03/17/2022	03/17/22 20:05	
Methylene chloride	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
MTBE	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
n-Butylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
n-Propylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Naphthalene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
o-Xylene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
sec-Butylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Styrene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
tert-Amyl methyl ether	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
tert-Butanol	ND	71	1	B2C1222	03/17/2022	03/17/22 20:05	
tert-Butylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Tetrachloroethene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Toluene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
trans-1,2-Dichloroethene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
trans-1,3-Dichloropropene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Trichloroethene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Trichlorofluoromethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Vinyl acetate	ND	36	1	B2C1222	03/17/2022	03/17/22 20:05	
Vinyl chloride	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Surrogate: 1,2-Dichloroethane-d4	*171 %*	*66 - 200*		B2C1222	03/17/2022	*03/17/22 20:05*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*50 - 146*		B2C1222	03/17/2022	*03/17/22 20:05*	
Surrogate: Dibromofluoromethane	*113 %*	*77 - 159*		B2C1222	03/17/2022	*03/17/22 20:05*	
Surrogate: Toluene-d8	*111 %*	*81 - 128*		B2C1222	03/17/2022	*03/17/22 20:05*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Client Sample ID: 61W-32-3-5.5

Lab ID: 2200390-17

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.68	1	B2C1365	03/24/2022	03/24/22 16:49	
Surrogate: 4-Bromofluorobenzene	*93.5 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 16:49*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

QUALITY CONTROL SECTION

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1365 - GCVOA_S										
Blank (B2C1365-BLK1)						Prepared: 3/24/2022 Analyzed: 3/24/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6890*			*0.800000*		*86.1*	*47.6 - 121.18*			
LCS (B2C1365-BS1)						Prepared: 3/24/2022 Analyzed: 3/24/2022				
Gasoline Range Organics	5.08500	1.0	0.13	5.00000		102	58.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7427*			*0.800000*		*92.8*	*47.6 - 121.18*			
LCS Dup (B2C1365-BSD1)						Prepared: 3/24/2022 Analyzed: 3/24/2022				
Gasoline Range Organics	4.96100	1.0	0.13	5.00000		99.2	58.69 - 124.04	2.47	20	
Surrogate: 4-Bromofluorobenzene	*0.7476*			*0.800000*		*93.5*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1257 - EPA 3050B_S										
Blank (B2C1257-BLK1)						Prepared: 3/18/2022 Analyzed: 3/21/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1257-BS1)						Prepared: 3/18/2022 Analyzed: 3/21/2022				
Antimony	25.9723	2.0	0.51	25.0000		104	80 - 120			
Arsenic	25.9522	1.0	0.12	25.0000		104	80 - 120			
Barium	25.7893	1.0	0.12	25.0000		103	80 - 120			
Beryllium	25.2361	1.0	0.03	25.0100		101	80 - 120			
Cadmium	26.4426	1.0	0.14	25.0000		106	80 - 120			
Chromium	25.7869	1.0	0.26	25.0000		103	80 - 120			
Cobalt	27.9854	1.0	0.07	25.0000		112	80 - 120			
Copper	24.6448	2.0	0.19	25.0000		98.6	80 - 120			
Lead	26.7042	1.0	0.18	25.0000		107	80 - 120			
Molybdenum	27.2404	1.0	0.12	25.0000		109	80 - 120			
Nickel	24.6026	1.0	0.18	25.0000		98.4	80 - 120			
Selenium	26.4878	1.0	0.40	25.0000		106	80 - 120			
Silver	11.5767	1.0	0.12	12.5000		92.6	80 - 120			
Thallium	26.5258	1.0	0.38	25.0000		106	80 - 120			
Vanadium	24.3868	1.0	0.06	25.0000		97.5	80 - 120			
Zinc	29.7941	1.0	0.15	25.0000		119	80 - 120			
Matrix Spike (B2C1257-MS1)			**Source: 2200312-01**			Prepared: 3/18/2022 Analyzed: 3/21/2022				
Antimony	16.0365	2.0	0.51	25.0000	1.13880	59.6	0 - 102			
Arsenic	29.7337	1.0	0.12	25.0000	4.42293	101	55 - 117			
Barium	141.992	1.0	0.12	25.0000	123.014	75.9	11 - 177			
Beryllium	24.5485	1.0	0.03	25.0100	1.86360	90.7	64 - 115			
Cadmium	25.3922	1.0	0.14	25.0000	0.684443	98.8	62 - 116			
Chromium	43.3702	1.0	0.26	25.0000	21.7816	86.4	42 - 145			
Cobalt	30.9380	1.0	0.07	25.0000	6.40581	98.1	60 - 126			
Copper	43.7061	2.0	0.19	25.0000	14.8679	115	37 - 163			
Lead	715.394	1.0	0.18	25.0000	488.488	908	26 - 161			M2

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1257 - EPA 3050B_S (continued)										
Matrix Spike (B2C1257-MS1) - Continued			**Source: 2200312-01**			Prepared: 3/18/2022 Analyzed: 3/21/2022				
Molybdenum	25.0355	1.0	0.12	25.0000	0.197933	99.4	31 - 122			
Nickel	32.7397	1.0	0.18	25.0000	10.5499	88.8	52 - 130			
Selenium	25.3232	1.0	0.40	25.0000	1.55088	95.1	25 - 129			
Silver	14.7902	1.0	0.12	12.5000	3.96163	86.6	48 - 133			
Thallium	23.4682	1.0	0.38	25.0000	0.408386	92.2	25 - 119			
Vanadium	55.0300	1.0	0.06	25.0000	33.4980	86.1	51 - 141			
Zinc	73.8490	1.0	0.15	25.0000	53.9312	79.7	8 - 170			
Matrix Spike Dup (B2C1257-MSD1)			**Source: 2200312-01**			Prepared: 3/18/2022 Analyzed: 3/21/2022				
Antimony	15.9427	2.0	0.51	25.0000	1.13880	59.2	0 - 102	0.587	20	
Arsenic	31.2768	1.0	0.12	25.0000	4.42293	107	55 - 117	5.06	20	
Barium	141.211	1.0	0.12	25.0000	123.014	72.8	11 - 177	0.551	20	
Beryllium	24.6713	1.0	0.03	25.0100	1.86360	91.2	64 - 115	0.499	20	
Cadmium	27.2084	1.0	0.14	25.0000	0.684443	106	62 - 116	6.91	20	
Chromium	47.1074	1.0	0.26	25.0000	21.7816	101	42 - 145	8.26	20	
Cobalt	31.0847	1.0	0.07	25.0000	6.40581	98.7	60 - 126	0.473	20	
Copper	41.6144	2.0	0.19	25.0000	14.8679	107	37 - 163	4.90	20	
Lead	723.702	1.0	0.18	25.0000	488.488	941	26 - 161	1.15	20	M2
Molybdenum	25.2421	1.0	0.12	25.0000	0.197933	100	31 - 122	0.822	20	
Nickel	31.7342	1.0	0.18	25.0000	10.5499	84.7	52 - 130	3.12	20	
Selenium	25.1057	1.0	0.40	25.0000	1.55088	94.2	25 - 129	0.862	20	
Silver	15.8810	1.0	0.12	12.5000	3.96163	95.4	48 - 133	7.11	20	
Thallium	23.7486	1.0	0.38	25.0000	0.408386	93.4	25 - 119	1.19	20	
Vanadium	55.8451	1.0	0.06	25.0000	33.4980	89.4	51 - 141	1.47	20	
Zinc	76.4360	1.0	0.15	25.0000	53.9312	90.0	8 - 170	3.44	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1238 - EPA 7471_S										
Blank (B2C1238-BLK1)						Prepared: 3/17/2022 Analyzed: 3/18/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1238-BS1)						Prepared: 3/17/2022 Analyzed: 3/18/2022				
Mercury	0.407148	0.10	0.01	0.416667		97.7	80 - 120			
Matrix Spike (B2C1238-MS1)			**Source: 2200381-01**			Prepared: 3/17/2022 Analyzed: 3/18/2022				
Mercury	0.286791	0.10	0.01	0.416667	0.080102	49.6	70 - 130			M2
Matrix Spike Dup (B2C1238-MSD1)			**Source: 2200381-01**			Prepared: 3/17/2022 Analyzed: 3/18/2022				
Mercury	0.284009	0.10	0.01	0.416667	0.080102	48.9	70 - 130	0.975	20	M2

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1238 - EPA 7471_S									
Post Spike (B2C1238-PS1)			**Source: 2200381-01**		Prepared: 3/17/2022 Analyzed: 3/18/2022				
Mercury	0.005629		5.00000E-3	0.000961	93.4	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1250 - GCSEMI_DRO_S										
Blank (B2C1250-BLK1)						Prepared: 3/18/2022 Analyzed: 3/18/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*80.88*			*80.0000*		*101*	*62 - 141*			
LCS (B2C1250-BS1)						Prepared: 3/18/2022 Analyzed: 3/18/2022				
DRO	1054.33	10	3.6	1000.00		105	56 - 139			
Surrogate: p-Terphenyl	*89.47*			*80.0000*		*112*	*62 - 141*			
Matrix Spike (B2C1250-MS1)			**Source: 2200401-01**			Prepared: 3/18/2022 Analyzed: 3/18/2022				
DRO	889.728	10	3.6	1000.00	12.7610	87.7	38 - 161			
Surrogate: p-Terphenyl	*94.32*			*80.0000*		*118*	*62 - 141*			
Matrix Spike Dup (B2C1250-MSD1)			**Source: 2200401-01**			Prepared: 3/18/2022 Analyzed: 3/18/2022				
DRO	927.990	10	3.6	1000.00	12.7610	91.5	38 - 161	4.21	20	
Surrogate: p-Terphenyl	*91.72*			*80.0000*		*115*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 03/24/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1222 - MSVOA_S										
Blank (B2C1222-BLK1)							Prepared: 3/17/2022 Analyzed: 3/17/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1222 - MSVOA_S (continued)										
Blank (B2C1222-BLK1) - Continued						Prepared: 3/17/2022 Analyzed: 3/17/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*72.69*			*50.0000*		*145*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*52.18*			*50.0000*		*104*	*50 - 146*			
Surrogate: Dibromofluoromethane	*52.46*			*50.0000*		*105*	*77 - 159*			
Surrogate: Toluene-d8	*56.40*			*50.0000*		*113*	*81 - 128*			
LCS (B2C1222-BS1)						Prepared: 3/17/2022 Analyzed: 3/17/2022				
1,1,1,2-Tetrachloroethane	44.6100	5.0	0.52	50.0000		89.2	84 - 123			
1,1,1-Trichloroethane	62.3200	5.0	0.26	50.0000		125	78 - 133			
1,1,2,2-Tetrachloroethane	39.9200	5.0	0.21	50.0000		79.8	63 - 127			
1,1,2-Trichloroethane	46.8400	5.0	0.40	50.0000		93.7	80 - 125			
1,1-Dichloroethane	47.4600	5.0	1.4	50.0000		94.9	77 - 128			
1,1-Dichloroethene	45.1800	5.0	1.9	50.0000		90.4	69 - 138			
1,1-Dichloropropene	47.5800	5.0	0.54	50.0000		95.2	80 - 133			
1,2,3-Trichloropropane	43.7300	5.0	0.40	50.0000		87.5	74 - 123			
1,2,3-Trichlorobenzene	45.9800	5.0	0.83	50.0000		92.0	79 - 133			
1,2,4-Trichlorobenzene	44.6700	5.0	0.80	50.0000		89.3	73 - 131			
1,2,4-Trimethylbenzene	46.3500	5.0	0.91	50.0000		92.7	86 - 137			
1,2-Dibromo-3-chloropropane	57.2200	10	1.1	50.0000		114	62 - 127			
1,2-Dibromoethane	45.8000	5.0	0.40	50.0000		91.6	83 - 126			
1,2-Dichlorobenzene	42.3100	5.0	0.21	50.0000		84.6	83 - 123			
1,2-Dichloroethane	64.3000	5.0	0.50	50.0000		129	76 - 128			L3

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1222 - MSVOA_S (continued)										
LCS (B2C1222-BS1) - Continued						Prepared: 3/17/2022 Analyzed: 3/17/2022				
1,2-Dichloropropane	44.4700	5.0	0.46	50.0000		88.9	77 - 121			
1,3,5-Trimethylbenzene	44.0900	5.0	0.70	50.0000		88.2	84 - 135			
1,3-Dichlorobenzene	41.6100	5.0	0.36	50.0000		83.2	81 - 126			
1,3-Dichloropropane	42.6300	5.0	0.49	50.0000		85.3	80 - 118			
1,4-Dichlorobenzene	42.4500	5.0	0.27	50.0000		84.9	80 - 124			
2,2-Dichloropropane	55.6600	5.0	0.28	50.0000		111	72 - 135			
2-Chlorotoluene	48.2200	5.0	0.53	50.0000		96.4	81 - 127			
4-Chlorotoluene	49.8500	5.0	0.40	50.0000		99.7	83 - 127			
4-Isopropyltoluene	46.1800	5.0	0.81	50.0000		92.4	82 - 143			
Benzene	48.2600	5.0	0.36	50.0000		96.5	84 - 123			
Bromobenzene	42.8800	5.0	0.62	50.0000		85.8	80 - 122			
Bromochloromethane	48.3200	5.0	0.30	50.0000		96.6	83 - 127			
Bromodichloromethane	56.9800	5.0	0.52	50.0000		114	82 - 123			
Bromoform	48.1400	5.0	1.4	50.0000		96.3	80 - 132			
Bromomethane	55.1800	5.0	2.5	50.0000		110	67 - 176			
Carbon disulfide	40.7600	5.0	0.94	50.0000		81.5	75 - 138			
Carbon tetrachloride	63.6000	5.0	0.73	50.0000		127	76 - 131			
Chlorobenzene	42.6700	5.0	0.42	50.0000		85.3	84 - 119			
Chloroethane	49.6000	5.0	1.5	50.0000		99.2	56 - 170			
Chloroform	53.6100	5.0	0.24	50.0000		107	78 - 129			
Chloromethane	38.8000	5.0	1.1	50.0000		77.6	63 - 141			
cis-1,2-Dichloroethene	64.9000	5.0	0.20	50.0000		130	83 - 125			L3
cis-1,3-Dichloropropene	46.6500	5.0	0.39	50.0000		93.3	76 - 129			
Di-isopropyl ether	42.1900	5.0	1.9	50.0000		84.4	73 - 132			
Dibromochloromethane	48.5600	5.0	0.81	50.0000		97.1	81 - 120			
Dibromomethane	50.2900	5.0	0.23	50.0000		101	79 - 124			
Dichlorodifluoromethane	48.0900	5.0	0.14	50.0000		96.2	18 - 199			
Ethyl Acetate	23.0600	50	7.0	500.000		4.61	76 - 138			MO
Ethyl Ether	514.750	50	17	500.000		103	74 - 128			
Ethyl tert-butyl ether	46.9200	5.0	0.85	50.0000		93.8	50 - 175			
Ethylbenzene	47.5900	5.0	0.43	50.0000		95.2	86 - 130			
Freon-113	47.7700	5.0	1.3	50.0000		95.5	66 - 132			
Hexachlorobutadiene	51.3700	5.0	0.40	50.0000		103	64 - 135			
Isopropylbenzene	45.1100	5.0	0.79	50.0000		90.2	80 - 133			
m,p-Xylene	96.0800	10	0.98	100.000		96.1	89 - 133			
Methylene chloride	42.6800	5.0	2.2	50.0000		85.4	72 - 143			
MTBE	47.5500	5.0	0.81	50.0000		95.1	73 - 136			
n-Butylbenzene	47.0400	5.0	1.2	50.0000		94.1	76 - 144			
n-Propylbenzene	45.7400	5.0	0.78	50.0000		91.5	81 - 136			
Naphthalene	36.1700	5.0	1.1	50.0000		72.3	64 - 128			
o-Xylene	48.6300	5.0	0.67	50.0000		97.3	82 - 134			
sec-Butylbenzene	44.5000	5.0	0.63	50.0000		89.0	81 - 138			
Styrene	42.2100	5.0	0.45	50.0000		84.4	79 - 152			
tert-Amyl methyl ether	43.8200	5.0	1.1	50.0000		87.6	48 - 166			
tert-Butanol	206.530	100	11	250.000		82.6	48 - 148			

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1222 - MSVOA_S (continued)										
LCS (B2C1222-BS1) - Continued						Prepared: 3/17/2022 Analyzed: 3/17/2022				
tert-Butylbenzene	43.4000	5.0	0.80	50.0000		86.8	81 - 135			
Tetrachloroethene	44.5900	5.0	0.31	50.0000		89.2	75 - 127			
Toluene	50.8300	5.0	0.27	50.0000		102	88 - 130			
trans-1,2-Dichloroethene	36.8700	5.0	0.56	50.0000		73.7	79 - 127			L3
trans-1,3-Dichloropropene	51.4500	5.0	0.59	50.0000		103	80 - 130			
Trichloroethene	47.0100	5.0	0.32	50.0000		94.0	83 - 126			
Trichlorofluoromethane	66.3800	5.0	1.0	50.0000		133	62 - 143			
Vinyl acetate	97.2200	50	6.0	500.000		19.4	69 - 150			MO
Vinyl chloride	43.2400	5.0	0.92	50.0000		86.5	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*70.77*			*50.0000*		*142*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*54.84*			*50.0000*		*110*	*50 - 146*			
Surrogate: Dibromofluoromethane	*54.21*			*50.0000*		*108*	*77 - 159*			
Surrogate: Toluene-d8	*57.87*			*50.0000*		*116*	*81 - 128*			
LCS Dup (B2C1222-BSD1)						Prepared: 3/17/2022 Analyzed: 3/17/2022				
1,1,1,2-Tetrachloroethane	45.3800	5.0	0.52	50.0000		90.8	84 - 123	1.71	20	
1,1,1-Trichloroethane	66.7700	5.0	0.26	50.0000		134	78 - 133	6.89	20	L4
1,1,2,2-Tetrachloroethane	40.7800	5.0	0.21	50.0000		81.6	63 - 127	2.13	20	
1,1,2-Trichloroethane	42.5000	5.0	0.40	50.0000		85.0	80 - 125	9.72	20	
1,1-Dichloroethane	51.5400	5.0	1.4	50.0000		103	77 - 128	8.24	20	
1,1-Dichloroethene	49.5200	5.0	1.9	50.0000		99.0	69 - 138	9.17	20	
1,1-Dichloropropene	44.7400	5.0	0.54	50.0000		89.5	80 - 133	6.15	20	
1,2,3-Trichloropropane	41.4700	5.0	0.40	50.0000		82.9	74 - 123	5.31	20	
1,2,3-Trichlorobenzene	43.1500	5.0	0.83	50.0000		86.3	79 - 133	6.35	20	
1,2,4-Trichlorobenzene	44.6700	5.0	0.80	50.0000		89.3	73 - 131	0.00	20	
1,2,4-Trimethylbenzene	43.7400	5.0	0.91	50.0000		87.5	86 - 137	5.79	20	
1,2-Dibromo-3-chloropropane	57.0200	10	1.1	50.0000		114	62 - 127	0.350	20	
1,2-Dibromoethane	43.5200	5.0	0.40	50.0000		87.0	83 - 126	5.11	20	
1,2-Dichlorobenzene	42.0200	5.0	0.21	50.0000		84.0	83 - 123	0.688	20	
1,2-Dichloroethane	61.9400	5.0	0.50	50.0000		124	76 - 128	3.74	20	
1,2-Dichloropropane	42.6800	5.0	0.46	50.0000		85.4	77 - 121	4.11	20	
1,3,5-Trimethylbenzene	45.1400	5.0	0.70	50.0000		90.3	84 - 135	2.35	20	
1,3-Dichlorobenzene	40.4400	5.0	0.36	50.0000		80.9	81 - 126	2.85	20	L3
1,3-Dichloropropane	43.2300	5.0	0.49	50.0000		86.5	80 - 118	1.40	20	
1,4-Dichlorobenzene	40.9700	5.0	0.27	50.0000		81.9	80 - 124	3.55	20	
2,2-Dichloropropane	61.8600	5.0	0.28	50.0000		124	72 - 135	10.6	20	
2-Chlorotoluene	46.6300	5.0	0.53	50.0000		93.3	81 - 127	3.35	20	
4-Chlorotoluene	49.4200	5.0	0.40	50.0000		98.8	83 - 127	0.866	20	
4-Isopropyltoluene	46.3400	5.0	0.81	50.0000		92.7	82 - 143	0.346	20	
Benzene	46.7300	5.0	0.36	50.0000		93.5	84 - 123	3.22	20	
Bromobenzene	41.1000	5.0	0.62	50.0000		82.2	80 - 122	4.24	20	
Bromochloromethane	47.0800	5.0	0.30	50.0000		94.2	83 - 127	2.60	20	
Bromodichloromethane	53.8000	5.0	0.52	50.0000		108	82 - 123	5.74	20	
Bromoform	50.3700	5.0	1.4	50.0000		101	80 - 132	4.53	20	
Bromomethane	58.1000	5.0	2.5	50.0000		116	67 - 176	5.16	20	

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1222 - MSVOA_S (continued)										
LCS Dup (B2C1222-BSD1) - Continued					Prepared: 3/17/2022 Analyzed: 3/17/2022					
Carbon disulfide	43.8800	5.0	0.94	50.0000		87.8	75 - 138	7.37	20	
Carbon tetrachloride	66.0400	5.0	0.73	50.0000		132	76 - 131	3.76	20	L4
Chlorobenzene	43.0600	5.0	0.42	50.0000		86.1	84 - 119	0.910	20	
Chloroethane	54.8300	5.0	1.5	50.0000		110	56 - 170	10.0	20	
Chloroform	54.8800	5.0	0.24	50.0000		110	78 - 129	2.34	20	
Chloromethane	39.4200	5.0	1.1	50.0000		78.8	63 - 141	1.59	20	
cis-1,2-Dichloroethene	66.7200	5.0	0.20	50.0000		133	83 - 125	2.77	20	L5
cis-1,3-Dichloropropene	45.0300	5.0	0.39	50.0000		90.1	76 - 129	3.53	20	
Di-isopropyl ether	43.6200	5.0	1.9	50.0000		87.2	73 - 132	3.33	20	
Dibromochloromethane	48.6700	5.0	0.81	50.0000		97.3	81 - 120	0.226	20	
Dibromomethane	49.7500	5.0	0.23	50.0000		99.5	79 - 124	1.08	20	
Dichlorodifluoromethane	51.1600	5.0	0.14	50.0000		102	18 - 199	6.19	20	
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138	NR	20	MO
Ethyl Ether	531.740	50	17	500.000		106	74 - 128	3.25	20	
Ethyl tert-butyl ether	46.9800	5.0	0.85	50.0000		94.0	50 - 175	0.128	20	
Ethylbenzene	48.9700	5.0	0.43	50.0000		97.9	86 - 130	2.86	20	
Freon-113	52.8600	5.0	1.3	50.0000		106	66 - 132	10.1	20	
Hexachlorobutadiene	56.8800	5.0	0.40	50.0000		114	64 - 135	10.2	20	
Isopropylbenzene	45.5200	5.0	0.79	50.0000		91.0	80 - 133	0.905	20	
m,p-Xylene	98.1300	10	0.98	100.000		98.1	89 - 133	2.11	20	
Methylene chloride	47.1700	5.0	2.2	50.0000		94.3	72 - 143	9.99	20	
MTBE	48.2600	5.0	0.81	50.0000		96.5	73 - 136	1.48	20	
n-Butylbenzene	46.9900	5.0	1.2	50.0000		94.0	76 - 144	0.106	20	
n-Propylbenzene	46.7800	5.0	0.78	50.0000		93.6	81 - 136	2.25	20	
Naphthalene	34.2800	5.0	1.1	50.0000		68.6	64 - 128	5.37	20	
o-Xylene	49.2200	5.0	0.67	50.0000		98.4	82 - 134	1.21	20	
sec-Butylbenzene	44.4300	5.0	0.63	50.0000		88.9	81 - 138	0.157	20	
Styrene	41.7100	5.0	0.45	50.0000		83.4	79 - 152	1.19	20	
tert-Amyl methyl ether	45.0200	5.0	1.1	50.0000		90.0	48 - 166	2.70	20	
tert-Butanol	212.700	100	11	250.000		85.1	48 - 148	2.94	20	
tert-Butylbenzene	45.7700	5.0	0.80	50.0000		91.5	81 - 135	5.32	20	
Tetrachloroethene	48.2500	5.0	0.31	50.0000		96.5	75 - 127	7.88	20	
Toluene	49.6200	5.0	0.27	50.0000		99.2	88 - 130	2.41	20	
trans-1,2-Dichloroethene	38.6800	5.0	0.56	50.0000		77.4	79 - 127	4.79	20	L3
trans-1,3-Dichloropropene	50.0600	5.0	0.59	50.0000		100	80 - 130	2.74	20	
Trichloroethene	47.1000	5.0	0.32	50.0000		94.2	83 - 126	0.191	20	
Trichlorofluoromethane	71.5100	5.0	1.0	50.0000		143	62 - 143	7.44	20	L4
Vinyl acetate	99.4500	50	6.0	500.000		19.9	69 - 150	2.27	20	MO
Vinyl chloride	49.4900	5.0	0.92	50.0000		99.0	69 - 140	13.5	20	
Surrogate: 1,2-Dichloroethane-d4	*73.46*			*50.0000*		*147*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*55.20*			*50.0000*		*110*	*50 - 146*			
Surrogate: Dibromofluoromethane	*55.82*			*50.0000*		*112*	*77 - 159*			
Surrogate: Toluene-d8	*56.11*			*50.0000*		*112*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/15/22

Page 1 of 2

2200390

3.0°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tiam Navin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	61W-32-7-1	3/15/22	0852	Soil	1	1			X									
2	61W-32-7-5.5		0904		5	1	4			X	X	X						
3	61W-32-6-1		0923		1	1			X									
4	61W-32-6-5.5		0933		5	1	4			X	X	X						
5	61W-32-4-1		0955		1	1			X									
6	61W-32-4-5.5		1005		5	1	4			X	X	X						
7	61W-32-5-1		1022		1	1			X									
8	61W-32-5-5.5		1033		5	1	4			X	X	X						
9	61W-32-2-1		1047		1	1			X									
10	61W-32-2-5.5		1059		5	1	4			X	X	X						
11	61W-32-1-1		1123		1	1			X									
12	61W-32-1-5.5		1134		5	1	4			X	X	X						
13	61W-30-6-1		1220		1	1			X									
14	61W-30-6-5.5		1230	↓	5	1	4			X	X	X						
15	TB_20220315	↓	1324	Water	4		4											X

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/15/22	Time: 1725
Relinquished by: (Signature) 5-15-22 19:08	Received by: (Signature)	Date: 3/15/22	Time: 19:08
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 3/15/22
Page 2 of 2

2200390 3.0°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tiam Novin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
16	GW-32-3-1	3/15/22	1346	Soil	1	1			X									
17	GW-32-3-5.5	3/15/22	1353	Soil	5	1	4			X	X	X						

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/15/22	Time: 1725
Relinquished by: (Signature) 3/15/22 19:00	Received by: (Signature)	Date: 3/15/22	Time: 19:28
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

April 01, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200396
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 16, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 04/01/22 17:07 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-30-4-1	2200396-01	Soil	3/16/22 8:32	3/16/22 18:27
61W-30-4-5.5	2200396-02	Soil	3/16/22 8:51	3/16/22 18:27
61W-30-5-1	2200396-03	Soil	3/16/22 9:12	3/16/22 18:27
61W-30-5-5.5	2200396-04	Soil	3/16/22 9:26	3/16/22 18:27
61W-30-2-1	2200396-05	Soil	3/16/22 9:59	3/16/22 18:27
61W-30-2-5.5	2200396-06	Soil	3/16/22 10:11	3/16/22 18:27
61W-30-3-1	2200396-07	Soil	3/16/22 10:54	3/16/22 18:27
61W-30-3-5.5	2200396-08	Soil	3/16/22 11:01	3/16/22 18:27
61W-30-1-1	2200396-09	Soil	3/16/22 11:34	3/16/22 18:27
61W-30-1-5.5	2200396-10	Soil	3/16/22 11:44	3/16/22 18:27
61W-30-7-1	2200396-11	Soil	3/16/22 12:08	3/16/22 18:27
61W-30-7-5.5	2200396-12	Soil	3/16/22 12:23	3/16/22 18:27
TB_20220316	2200396-13	Water	3/16/22 13:28	3/16/22 18:27
61W-30-8-1	2200396-14	Soil	3/16/22 13:35	3/16/22 18:27
61W-30-8-5.5	2200396-15	Soil	3/16/22 14:32	3/16/22 18:27

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200396-01	61W-30-4-1	**ND**	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22 15:39	
2200396-03	61W-30-5-1	**ND**	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22 16:15	
2200396-05	61W-30-2-1	**ND**	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22 16:18	
2200396-07	61W-30-3-1	**ND**	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22 16:21	
2200396-09	61W-30-1-1	**ND**	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22 16:24	
2200396-11	61W-30-7-1	**ND**	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22 16:27	
2200396-14	61W-30-8-1	**ND**	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22 16:30	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-4-1

Lab ID: 2200396-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Barium	**88**	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Beryllium	**2.3**	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Chromium	**14**	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Cobalt	**4.6**	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Copper	**9.3**	2.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Lead	**3.5**	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Nickel	**6.2**	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Selenium	**1.2**	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Silver	**5.0**	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Vanadium	**28**	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Zinc	**37**	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-4-5.5

Lab ID: 2200396-02

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 19:41	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 19:41	
Surrogate: p-Terphenyl	*117 %*	*62 - 141*		B2C1312	03/22/2022	*03/23/22 19:41*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,1,1-Trichloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,1,2-Trichloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,1-Dichloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,1-Dichloroethene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,1-Dichloropropene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2,3-Trichloropropane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2-Dibromoethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2-Dichlorobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2-Dichloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2-Dichloropropane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,3-Dichlorobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,3-Dichloropropane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,4-Dichlorobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
2,2-Dichloropropane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
2-Chlorotoluene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
4-Chlorotoluene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
4-Isopropyltoluene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Benzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Bromobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Bromochloromethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Bromodichloromethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Bromoform	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Bromomethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Carbon disulfide	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-4-5.5

Lab ID: 2200396-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Chlorobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Chloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Chloroform	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Chloromethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Di-isopropyl ether	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Dibromochloromethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Dibromomethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Dichlorodifluoromethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Ethyl Acetate	ND	43	1	B2C1221	03/17/2022	03/17/22 15:52	
Ethyl Ether	ND	43	1	B2C1221	03/17/2022	03/17/22 15:52	
Ethyl tert-butyl ether	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Ethylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Freon-113	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Hexachlorobutadiene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Isopropylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
m,p-Xylene	ND	8.7	1	B2C1221	03/17/2022	03/17/22 15:52	
Methylene chloride	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
MTBE	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
n-Butylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
n-Propylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Naphthalene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
o-Xylene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
sec-Butylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Styrene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
tert-Amyl methyl ether	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
tert-Butanol	ND	87	1	B2C1221	03/17/2022	03/17/22 15:52	
tert-Butylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Tetrachloroethene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Toluene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Trichloroethene	**14**	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Trichlorofluoromethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Vinyl acetate	ND	43	1	B2C1221	03/17/2022	03/17/22 15:52	
Vinyl chloride	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Surrogate: 1,2-Dichloroethane-d4	*150 %*	*66 - 200*		B2C1221	03/17/2022	*03/17/22 15:52*	
Surrogate: 4-Bromofluorobenzene	*89.5 %*	*50 - 146*		B2C1221	03/17/2022	*03/17/22 15:52*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-4-5.5
Lab ID: 2200396-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*130 %*		*77 - 159*		B2C1221	03/17/2022	*03/17/22 15:52*	
Surrogate: Toluene-d8	*91.4 %*		*81 - 128*		B2C1221	03/17/2022	*03/17/22 15:52*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.87	1	B2C1365	03/24/2022	03/24/22 17:13	
Surrogate: 4-Bromofluorobenzene	*88.5 %*		*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 17:13*	

Client Sample ID: 61W-30-5-1
Lab ID: 2200396-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Barium	**91**	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Beryllium	**2.5**	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Chromium	**14**	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Cobalt	**4.8**	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Copper	**7.9**	2.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Lead	**3.2**	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Nickel	**6.0**	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Selenium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Silver	**5.4**	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Vanadium	**29**	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Zinc	**36**	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-5-5.5

Lab ID: 2200396-04

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 20:02	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 20:02	
Surrogate: p-Terphenyl	*92.2 %*	*62 - 141*		B2C1312	03/22/2022	*03/23/22 20:02*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,1,1-Trichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,1,2-Trichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,1-Dichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,1-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,1-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2,3-Trichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2-Dibromo-3-chloropropane	ND	8.5	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2-Dibromoethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2-Dichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,3-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,3-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,4-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
2,2-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
2-Chlorotoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
4-Chlorotoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
4-Isopropyltoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Benzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Bromobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Bromochloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Bromodichloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Bromoform	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Bromomethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Carbon disulfide	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-5-5.5

Lab ID: 2200396-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Chlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Chloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Chloroform	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Chloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Di-isopropyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Dibromochloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Dibromomethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Dichlorodifluoromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Ethyl Acetate	ND	42	1	B2C1221	03/17/2022	03/17/22 16:18	
Ethyl Ether	ND	42	1	B2C1221	03/17/2022	03/17/22 16:18	
Ethyl tert-butyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Ethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Freon-113	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Hexachlorobutadiene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Isopropylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
m,p-Xylene	ND	8.5	1	B2C1221	03/17/2022	03/17/22 16:18	
Methylene chloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
MTBE	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
n-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
n-Propylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Naphthalene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
o-Xylene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
sec-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Styrene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
tert-Amyl methyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
tert-Butanol	ND	85	1	B2C1221	03/17/2022	03/17/22 16:18	
tert-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Tetrachloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Toluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Trichloroethene	**7.1**	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Trichlorofluoromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Vinyl acetate	ND	42	1	B2C1221	03/17/2022	03/17/22 16:18	
Vinyl chloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Surrogate: 1,2-Dichloroethane-d4	*152 %*	*66 - 200*		B2C1221	03/17/2022	*03/17/22 16:18*	
Surrogate: 4-Bromofluorobenzene	*91.0 %*	*50 - 146*		B2C1221	03/17/2022	*03/17/22 16:18*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-5-5.5
Lab ID: 2200396-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*127 %*	*77 - 159*		B2C1221	03/17/2022	*03/17/22 16:18*	
Surrogate: Toluene-d8	*94.2 %*	*81 - 128*		B2C1221	03/17/2022	*03/17/22 16:18*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.85	1	B2C1365	03/24/2022	03/24/22 17:36	
Surrogate: 4-Bromofluorobenzene	*85.8 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 17:36*	

Client Sample ID: 61W-30-2-1
Lab ID: 2200396-05

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Barium	**91**	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Beryllium	**2.5**	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Chromium	**13**	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Cobalt	**4.7**	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Copper	**7.7**	2.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Lead	**3.1**	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Nickel	**5.8**	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Selenium	**1.2**	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Silver	**5.4**	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Vanadium	**28**	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Zinc	**36**	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-2-5.5

Lab ID: 2200396-06

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 20:23	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 20:23	
Surrogate: p-Terphenyl	*120 %*	*62 - 141*		B2C1312	03/22/2022	*03/23/22 20:23*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,1,1-Trichloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,1,2-Trichloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,1-Dichloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,1-Dichloroethene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,1-Dichloropropene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2,3-Trichloropropane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2-Dibromoethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2-Dichlorobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2-Dichloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2-Dichloropropane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,3-Dichlorobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,3-Dichloropropane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,4-Dichlorobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
2,2-Dichloropropane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
2-Chlorotoluene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
4-Chlorotoluene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
4-Isopropyltoluene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Benzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Bromobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Bromochloromethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Bromodichloromethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Bromoform	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Bromomethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Carbon disulfide	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-2-5.5

Lab ID: 2200396-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Chlorobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Chloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Chloroform	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Chloromethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Di-isopropyl ether	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Dibromochloromethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Dibromomethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Dichlorodifluoromethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Ethyl Acetate	ND	41	1	B2C1221	03/17/2022	03/17/22 16:44	
Ethyl Ether	ND	41	1	B2C1221	03/17/2022	03/17/22 16:44	
Ethyl tert-butyl ether	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Ethylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Freon-113	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Hexachlorobutadiene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Isopropylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
m,p-Xylene	ND	8.2	1	B2C1221	03/17/2022	03/17/22 16:44	
Methylene chloride	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
MTBE	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
n-Butylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
n-Propylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Naphthalene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
o-Xylene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
sec-Butylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Styrene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
tert-Amyl methyl ether	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
tert-Butanol	ND	82	1	B2C1221	03/17/2022	03/17/22 16:44	
tert-Butylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Tetrachloroethene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Toluene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Trichloroethene	**7.9**	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Trichlorofluoromethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Vinyl acetate	ND	41	1	B2C1221	03/17/2022	03/17/22 16:44	
Vinyl chloride	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Surrogate: 1,2-Dichloroethane-d4	*155 %*	*66 - 200*		B2C1221	03/17/2022	*03/17/22 16:44*	
Surrogate: 4-Bromofluorobenzene	*93.3 %*	*50 - 146*		B2C1221	03/17/2022	*03/17/22 16:44*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-2-5.5
Lab ID: 2200396-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*121 %*	*77 - 159*		B2C1221	03/17/2022	*03/17/22 16:44*	
Surrogate: Toluene-d8	*90.1 %*	*81 - 128*		B2C1221	03/17/2022	*03/17/22 16:44*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C1365	03/24/2022	03/24/22 18:00	
Surrogate: 4-Bromofluorobenzene	*87.0 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 18:00*	

Client Sample ID: 61W-30-3-1
Lab ID: 2200396-07

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Barium	**76**	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Beryllium	**2.2**	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Chromium	**12**	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Cobalt	**4.1**	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Copper	**8.0**	2.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Lead	**4.7**	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Nickel	**5.6**	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Selenium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Silver	**4.8**	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Vanadium	**27**	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Zinc	**36**	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-3-5.5

Lab ID: 2200396-08

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 20:44	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 20:44	
Surrogate: p-Terphenyl	*118 %*	*62 - 141*		B2C1312	03/22/2022	*03/23/22 20:44*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,1,1-Trichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,1,2,2-Tetrachloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,1,2-Trichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,1-Dichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,1-Dichloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,1-Dichloropropene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2,3-Trichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2,3-Trichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2,4-Trichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2,4-Trimethylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2-Dibromo-3-chloropropane	ND	7.6	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2-Dibromoethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2-Dichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2-Dichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2-Dichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,3,5-Trimethylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,3-Dichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,3-Dichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,4-Dichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
2,2-Dichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
2-Chlorotoluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
4-Chlorotoluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
4-Isopropyltoluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Benzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Bromobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Bromochloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Bromodichloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Bromoform	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Bromomethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Carbon disulfide	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-3-5.5

Lab ID: 2200396-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Chlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Chloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Chloroform	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Chloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
cis-1,2-Dichloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
cis-1,3-Dichloropropene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Di-isopropyl ether	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Dibromochloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Dibromomethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Dichlorodifluoromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Ethyl Acetate	ND	38	1	B2C1221	03/17/2022	03/17/22 17:10	
Ethyl Ether	ND	38	1	B2C1221	03/17/2022	03/17/22 17:10	
Ethyl tert-butyl ether	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Ethylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Freon-113	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Hexachlorobutadiene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Isopropylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
m,p-Xylene	ND	7.6	1	B2C1221	03/17/2022	03/17/22 17:10	
Methylene chloride	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
MTBE	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
n-Butylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
n-Propylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Naphthalene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
o-Xylene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
sec-Butylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Styrene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
tert-Amyl methyl ether	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
tert-Butanol	ND	76	1	B2C1221	03/17/2022	03/17/22 17:10	
tert-Butylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Tetrachloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Toluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
trans-1,2-Dichloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
trans-1,3-Dichloropropene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Trichloroethene	**34**	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Trichlorofluoromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Vinyl acetate	ND	38	1	B2C1221	03/17/2022	03/17/22 17:10	
Vinyl chloride	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Surrogate: 1,2-Dichloroethane-d4	*141 %*	*66 - 200*		B2C1221	03/17/2022	*03/17/22 17:10*	
Surrogate: 4-Bromofluorobenzene	*88.9 %*	*50 - 146*		B2C1221	03/17/2022	*03/17/22 17:10*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-3-5.5
Lab ID: 2200396-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*126 %*	*77 - 159*		B2C1221	03/17/2022	*03/17/22 17:10*	
Surrogate: Toluene-d8	*93.9 %*	*81 - 128*		B2C1221	03/17/2022	*03/17/22 17:10*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.75	1	B2C1365	03/24/2022	03/24/22 18:23	
Surrogate: 4-Bromofluorobenzene	*88.0 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 18:23*	

Client Sample ID: 61W-30-1-1
Lab ID: 2200396-09

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Barium	**82**	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Beryllium	**2.4**	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Chromium	**14**	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Cobalt	**4.7**	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Copper	**9.0**	2.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Lead	**2.6**	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Nickel	**10**	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Selenium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Silver	**5.3**	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Vanadium	**27**	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Zinc	**34**	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-1-5.5

Lab ID: 2200396-10

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 21:05	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 21:05	
Surrogate: p-Terphenyl	*109 %*	*62 - 141*		B2C1312	03/22/2022	*03/23/22 21:05*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,1,1-Trichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,1,2-Trichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,1-Dichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,1-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,1-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2,3-Trichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2-Dibromo-3-chloropropane	ND	8.3	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2-Dibromoethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2-Dichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,3-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,3-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,4-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
2,2-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
2-Chlorotoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
4-Chlorotoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
4-Isopropyltoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Benzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Bromobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Bromochloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Bromodichloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Bromoform	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Bromomethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Carbon disulfide	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-1-5.5

Lab ID: 2200396-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Chlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Chloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Chloroform	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Chloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Di-isopropyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Dibromochloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Dibromomethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Dichlorodifluoromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Ethyl Acetate	ND	42	1	B2C1221	03/17/2022	03/17/22 17:36	
Ethyl Ether	ND	42	1	B2C1221	03/17/2022	03/17/22 17:36	
Ethyl tert-butyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Ethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Freon-113	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Hexachlorobutadiene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Isopropylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
m,p-Xylene	ND	8.3	1	B2C1221	03/17/2022	03/17/22 17:36	
Methylene chloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
MTBE	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
n-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
n-Propylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Naphthalene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
o-Xylene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
sec-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Styrene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
tert-Amyl methyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
tert-Butanol	ND	83	1	B2C1221	03/17/2022	03/17/22 17:36	
tert-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Tetrachloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Toluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Trichloroethene	**24**	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Trichlorofluoromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Vinyl acetate	ND	42	1	B2C1221	03/17/2022	03/17/22 17:36	
Vinyl chloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Surrogate: 1,2-Dichloroethane-d4	*158 %*	*66 - 200*		B2C1221	03/17/2022	*03/17/22 17:36*	
Surrogate: 4-Bromofluorobenzene	*92.4 %*	*50 - 146*		B2C1221	03/17/2022	*03/17/22 17:36*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-1-5.5
Lab ID: 2200396-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*136 %*	*77 - 159*		B2C1221	03/17/2022	*03/17/22 17:36*	
Surrogate: Toluene-d8	*89.8 %*	*81 - 128*		B2C1221	03/17/2022	*03/17/22 17:36*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C1365	03/24/2022	03/24/22 18:47	
Surrogate: 4-Bromofluorobenzene	*88.5 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 18:47*	

Client Sample ID: 61W-30-7-1
Lab ID: 2200396-11

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Barium	**85**	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Beryllium	**2.4**	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Chromium	**14**	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Cobalt	**4.5**	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Copper	**8.7**	2.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Lead	**6.2**	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Nickel	**5.9**	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Selenium	**1.1**	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Silver	**5.5**	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Vanadium	**27**	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Zinc	**38**	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-7-5.5

Lab ID: 2200396-12

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 21:26	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 21:26	
Surrogate: p-Terphenyl	*120 %*	*62 - 141*		B2C1312	03/22/2022	*03/23/22 21:26*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,1,1-Trichloroethane	**5.8**	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,1,2,2-Tetrachloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,1,2-Trichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,1-Dichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,1-Dichloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,1-Dichloropropene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2,3-Trichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2,3-Trichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2,4-Trichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2,4-Trimethylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2-Dibromo-3-chloropropane	ND	7.6	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2-Dibromoethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2-Dichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2-Dichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2-Dichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,3,5-Trimethylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,3-Dichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,3-Dichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,4-Dichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
2,2-Dichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
2-Chlorotoluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
4-Chlorotoluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
4-Isopropyltoluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Benzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Bromobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Bromochloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Bromodichloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Bromoform	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Bromomethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Carbon disulfide	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-7-5.5

Lab ID: 2200396-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Chlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Chloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Chloroform	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Chloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
cis-1,2-Dichloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
cis-1,3-Dichloropropene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Di-isopropyl ether	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Dibromochloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Dibromomethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Dichlorodifluoromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Ethyl Acetate	ND	38	1	B2C1221	03/17/2022	03/17/22 18:03	
Ethyl Ether	ND	38	1	B2C1221	03/17/2022	03/17/22 18:03	
Ethyl tert-butyl ether	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Ethylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Freon-113	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Hexachlorobutadiene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Isopropylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
m,p-Xylene	ND	7.6	1	B2C1221	03/17/2022	03/17/22 18:03	
Methylene chloride	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
MTBE	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
n-Butylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
n-Propylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Naphthalene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
o-Xylene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
sec-Butylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Styrene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
tert-Amyl methyl ether	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
tert-Butanol	ND	76	1	B2C1221	03/17/2022	03/17/22 18:03	
tert-Butylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Tetrachloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Toluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
trans-1,2-Dichloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
trans-1,3-Dichloropropene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Trichloroethene	**52**	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Trichlorofluoromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Vinyl acetate	ND	38	1	B2C1221	03/17/2022	03/17/22 18:03	
Vinyl chloride	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Surrogate: 1,2-Dichloroethane-d4	*166 %*	*66 - 200*		B2C1221	03/17/2022	*03/17/22 18:03*	
Surrogate: 4-Bromofluorobenzene	*93.2 %*	*50 - 146*		B2C1221	03/17/2022	*03/17/22 18:03*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-7-5.5
Lab ID: 2200396-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*142 %*	*77 - 159*		B2C1221	03/17/2022	*03/17/22 18:03*	
Surrogate: Toluene-d8	*86.9 %*	*81 - 128*		B2C1221	03/17/2022	*03/17/22 18:03*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.75	1	B2C1365	03/24/2022	03/24/22 19:11	
Surrogate: 4-Bromofluorobenzene	*90.3 %*	*47.6 - 121.18*		B2C1365	03/24/2022	*03/24/22 19:11*	

Client Sample ID: 61W-30-8-1
Lab ID: 2200396-14

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Barium	**96**	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Beryllium	**2.7**	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Chromium	**17**	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Cobalt	**4.7**	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Copper	**8.4**	2.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Lead	**3.6**	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Nickel	**16**	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Selenium	**1.7**	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Silver	**6.7**	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Vanadium	**29**	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Zinc	**39**	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-8-5.5

Lab ID: 2200396-15

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 21:47	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 21:47	
Surrogate: p-Terphenyl	*97.3 %*	*62 - 141*		B2C1312	03/22/2022	*03/23/22 21:47*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,1,1-Trichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,1,2-Trichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,1-Dichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,1-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,1-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2,3-Trichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2-Dibromoethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2-Dichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,3-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,3-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,4-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
2,2-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
2-Chlorotoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
4-Chlorotoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
4-Isopropyltoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Benzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Bromobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Bromochloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Bromodichloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Bromoform	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Bromomethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Carbon disulfide	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-8-5.5

Lab ID: 2200396-15

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Chlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Chloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Chloroform	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Chloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Di-isopropyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Dibromochloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Dibromomethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Dichlorodifluoromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Ethyl Acetate	ND	42	1	B2C1221	03/17/2022	03/17/22 18:29	
Ethyl Ether	ND	42	1	B2C1221	03/17/2022	03/17/22 18:29	
Ethyl tert-butyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Ethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Freon-113	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Hexachlorobutadiene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Isopropylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
m,p-Xylene	ND	8.4	1	B2C1221	03/17/2022	03/17/22 18:29	
Methylene chloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
MTBE	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
n-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
n-Propylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Naphthalene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
o-Xylene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
sec-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Styrene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
tert-Amyl methyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
tert-Butanol	ND	84	1	B2C1221	03/17/2022	03/17/22 18:29	
tert-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Tetrachloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Toluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Trichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Trichlorofluoromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Vinyl acetate	ND	42	1	B2C1221	03/17/2022	03/17/22 18:29	
Vinyl chloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Surrogate: 1,2-Dichloroethane-d4	*159 %*	*66 - 200*		B2C1221	03/17/2022	*03/17/22 18:29*	
Surrogate: 4-Bromofluorobenzene	*94.2 %*	*50 - 146*		B2C1221	03/17/2022	*03/17/22 18:29*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: 61W-30-8-5.5

Lab ID: 2200396-15

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*129 %*	*77 - 159*		B2C1221	03/17/2022	*03/17/22 18:29*	
Surrogate: Toluene-d8	*92.3 %*	*81 - 128*		B2C1221	03/17/2022	*03/17/22 18:29*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.83	1	B2C1385	03/25/2022	03/25/22 16:13	
Surrogate: 4-Bromofluorobenzene	*104 %*	*47.6 - 121.18*		B2C1385	03/25/2022	*03/25/22 16:13*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

QUALITY CONTROL SECTION

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1365 - GCVOA_S										
Blank (B2C1365-BLK1)						Prepared: 3/24/2022 Analyzed: 3/24/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6890*			*0.800000*		*86.1*	*47.6 - 121.18*			
LCS (B2C1365-BS1)						Prepared: 3/24/2022 Analyzed: 3/24/2022				
Gasoline Range Organics	5.08500	1.0	0.13	5.00000		102	58.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7427*			*0.800000*		*92.8*	*47.6 - 121.18*			
LCS Dup (B2C1365-BSD1)						Prepared: 3/24/2022 Analyzed: 3/24/2022				
Gasoline Range Organics	4.96100	1.0	0.13	5.00000		99.2	58.69 - 124.04	2.47	20	
Surrogate: 4-Bromofluorobenzene	*0.7476*			*0.800000*		*93.5*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1385 - GCVOA_S										
Blank (B2C1385-BLK1)						Prepared: 3/25/2022 Analyzed: 3/25/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.7477*			*0.800000*		*93.5*	*47.6 - 121.18*			
LCS (B2C1385-BS1)						Prepared: 3/25/2022 Analyzed: 3/25/2022				
Gasoline Range Organics	3.94900	1.0	0.13	5.00000		79.0	58.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7555*			*0.800000*		*94.4*	*47.6 - 121.18*			
LCS Dup (B2C1385-BSD1)						Prepared: 3/25/2022 Analyzed: 3/25/2022				
Gasoline Range Organics	4.35900	1.0	0.13	5.00000		87.2	58.69 - 124.04	9.87	20	
Surrogate: 4-Bromofluorobenzene	*0.7998*			*0.800000*		*100*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1313 - EPA 3050B_S										
Blank (B2C1313-BLK1)						Prepared: 3/22/2022 Analyzed: 3/23/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1313-BS1)						Prepared: 3/22/2022 Analyzed: 3/23/2022				
Antimony	22.6243	2.0	0.51	25.0000		90.5	80 - 120			
Arsenic	23.3030	1.0	0.12	25.0000		93.2	80 - 120			
Barium	22.9502	1.0	0.12	25.0000		91.8	80 - 120			
Beryllium	23.2615	1.0	0.03	25.0100		93.0	80 - 120			
Cadmium	23.8893	1.0	0.14	25.0000		95.6	80 - 120			
Chromium	23.4513	1.0	0.26	25.0000		93.8	80 - 120			
Cobalt	22.1832	1.0	0.07	25.0000		88.7	80 - 120			
Copper	23.2279	2.0	0.19	25.0000		92.9	80 - 120			
Lead	25.5348	1.0	0.18	25.0000		102	80 - 120			
Molybdenum	23.4399	1.0	0.12	25.0000		93.8	80 - 120			
Nickel	23.3296	1.0	0.18	25.0000		93.3	80 - 120			
Selenium	24.5437	1.0	0.40	25.0000		98.2	80 - 120			
Silver	12.6745	1.0	0.12	12.5000		101	80 - 120			
Thallium	23.6975	1.0	0.38	25.0000		94.8	80 - 120			
Vanadium	21.9160	1.0	0.06	25.0000		87.7	80 - 120			
Zinc	22.9320	1.0	0.15	25.0000		91.7	80 - 120			
Matrix Spike (B2C1313-MS1)			**Source: 2200396-01**			Prepared: 3/22/2022 Analyzed: 3/23/2022				
Antimony	11.3424	2.0	0.51	25.0000	ND	45.4	0 - 102			
Arsenic	20.8150	1.0	0.12	25.0000	0.700501	80.5	55 - 117			
Barium	106.835	1.0	0.12	25.0000	88.4624	73.5	11 - 177			
Beryllium	21.6873	1.0	0.03	25.0100	2.32485	77.4	64 - 115			
Cadmium	21.2673	1.0	0.14	25.0000	0.377827	83.6	62 - 116			
Chromium	33.0824	1.0	0.26	25.0000	13.8084	77.1	42 - 145			
Cobalt	24.6944	1.0	0.07	25.0000	4.58667	80.4	60 - 126			
Copper	30.6959	2.0	0.19	25.0000	9.31201	85.5	37 - 163			
Lead	25.4439	1.0	0.18	25.0000	3.47563	87.9	26 - 161			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 04/01/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1313 - EPA 3050B_S (continued)										
Matrix Spike (B2C1313-MS1) - Continued			**Source: 2200396-01**				Prepared: 3/22/2022 Analyzed: 3/23/2022			
Molybdenum	18.9675	1.0	0.12	25.0000	ND	75.9	31 - 122			
Nickel	26.3330	1.0	0.18	25.0000	6.20024	80.5	52 - 130			
Selenium	21.6734	1.0	0.40	25.0000	1.22576	81.8	25 - 129			
Silver	16.0013	1.0	0.12	12.5000	5.00050	88.0	48 - 133			
Thallium	20.1036	1.0	0.38	25.0000	ND	80.4	25 - 119			
Vanadium	48.1547	1.0	0.06	25.0000	28.4219	78.9	51 - 141			
Zinc	50.6533	1.0	0.15	25.0000	37.2793	53.5	8 - 170			
Matrix Spike Dup (B2C1313-MSD1)			**Source: 2200396-01**				Prepared: 3/22/2022 Analyzed: 3/23/2022			
Antimony	10.7988	2.0	0.51	25.0000	ND	43.2	0 - 102	4.91	20	
Arsenic	19.2490	1.0	0.12	25.0000	0.700501	74.2	55 - 117	7.82	20	
Barium	97.1620	1.0	0.12	25.0000	88.4624	34.8	11 - 177	9.48	20	
Beryllium	19.7394	1.0	0.03	25.0100	2.32485	69.6	64 - 115	9.40	20	
Cadmium	19.8589	1.0	0.14	25.0000	0.377827	77.9	62 - 116	6.85	20	
Chromium	30.0884	1.0	0.26	25.0000	13.8084	65.1	42 - 145	9.48	20	
Cobalt	22.8960	1.0	0.07	25.0000	4.58667	73.2	60 - 126	7.56	20	
Copper	26.2509	2.0	0.19	25.0000	9.31201	67.8	37 - 163	15.6	20	
Lead	23.6177	1.0	0.18	25.0000	3.47563	80.6	26 - 161	7.44	20	
Molybdenum	18.5307	1.0	0.12	25.0000	ND	74.1	31 - 122	2.33	20	
Nickel	24.5419	1.0	0.18	25.0000	6.20024	73.4	52 - 130	7.04	20	
Selenium	20.3281	1.0	0.40	25.0000	1.22576	76.4	25 - 129	6.41	20	
Silver	14.3293	1.0	0.12	12.5000	5.00050	74.6	48 - 133	11.0	20	
Thallium	18.1752	1.0	0.38	25.0000	ND	72.7	25 - 119	10.1	20	
Vanadium	43.7042	1.0	0.06	25.0000	28.4219	61.1	51 - 141	9.69	20	
Zinc	48.8438	1.0	0.15	25.0000	37.2793	46.3	8 - 170	3.64	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1308 - EPA 7471_S										
Blank (B2C1308-BLK1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1308-BS1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
Mercury	0.356778	0.10	0.01	0.416667		85.6	80 - 120			
Matrix Spike (B2C1308-MS1)			**Source: 2200396-01**			Prepared: 3/22/2022 Analyzed: 3/22/2022				
Mercury	0.507923	0.10	0.01	0.416667	0.018496	117	70 - 130			
Matrix Spike Dup (B2C1308-MSD1)			**Source: 2200396-01**			Prepared: 3/22/2022 Analyzed: 3/22/2022				
Mercury	0.489309	0.10	0.01	0.416667	0.018496	113	70 - 130	3.73	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1308 - EPA 7471_S									
Post Spike (B2C1308-PS1)			**Source: 2200396-01**		Prepared: 3/22/2022 Analyzed: 3/22/2022				
Mercury	4.9293E-3		5.00000E-3	0.000222	94.1	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1312 - GCSEMI_DRO_S										
Blank (B2C1312-BLK1)						Prepared: 3/22/2022 Analyzed: 3/23/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*80.60*			*80.0000*		*101*	*62 - 141*			
LCS (B2C1312-BS1)						Prepared: 3/22/2022 Analyzed: 3/23/2022				
DRO	989.322	10	3.6	1000.00		98.9	56 - 139			
Surrogate: p-Terphenyl	*83.26*			*80.0000*		*104*	*62 - 141*			
Matrix Spike (B2C1312-MS1)			**Source: 2200405-02**			Prepared: 3/22/2022 Analyzed: 3/23/2022				
DRO	971.873	10	3.6	1000.00	10.8310	96.1	38 - 161			
Surrogate: p-Terphenyl	*82.40*			*80.0000*		*103*	*62 - 141*			
Matrix Spike Dup (B2C1312-MSD1)			**Source: 2200405-02**			Prepared: 3/22/2022 Analyzed: 3/23/2022				
DRO	943.757	10	3.6	1000.00	10.8310	93.3	38 - 161	2.94	20	
Surrogate: p-Terphenyl	*82.27*			*80.0000*		*103*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1221 - MSVOA_S										
Blank (B2C1221-BLK1)							Prepared: 3/17/2022 Analyzed: 3/17/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 04/01/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1221 - MSVOA_S (continued)										
Blank (B2C1221-BLK1) - Continued						Prepared: 3/17/2022 Analyzed: 3/17/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*65.84*			*50.0000*		*132*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*46.58*			*50.0000*		*93.2*	*50 - 146*			
Surrogate: Dibromofluoromethane	*59.65*			*50.0000*		*119*	*77 - 159*			
Surrogate: Toluene-d8	*46.03*			*50.0000*		*92.1*	*81 - 128*			
LCS (B2C1221-BS1)						Prepared: 3/17/2022 Analyzed: 3/17/2022				
1,1,1,2-Tetrachloroethane	45.5900	5.0	0.52	50.0000		91.2	84 - 123			
1,1,1-Trichloroethane	56.2600	5.0	0.26	50.0000		113	78 - 133			
1,1,2,2-Tetrachloroethane	43.0100	5.0	0.21	50.0000		86.0	63 - 127			
1,1,2-Trichloroethane	51.3300	5.0	0.40	50.0000		103	80 - 125			
1,1-Dichloroethane	52.4400	5.0	1.4	50.0000		105	77 - 128			
1,1-Dichloroethene	60.1300	5.0	1.9	50.0000		120	69 - 138			
1,1-Dichloropropene	52.8900	5.0	0.54	50.0000		106	80 - 133			
1,2,3-Trichloropropane	47.1700	5.0	0.40	50.0000		94.3	74 - 123			
1,2,3-Trichlorobenzene	47.6800	5.0	0.83	50.0000		95.4	79 - 133			
1,2,4-Trichlorobenzene	43.1200	5.0	0.80	50.0000		86.2	73 - 131			
1,2,4-Trimethylbenzene	47.5800	5.0	0.91	50.0000		95.2	86 - 137			
1,2-Dibromo-3-chloropropane	47.0200	10	1.1	50.0000		94.0	62 - 127			
1,2-Dibromoethane	48.4600	5.0	0.40	50.0000		96.9	83 - 126			
1,2-Dichlorobenzene	45.7800	5.0	0.21	50.0000		91.6	83 - 123			
1,2-Dichloroethane	57.1100	5.0	0.50	50.0000		114	76 - 128			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 04/01/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1221 - MSVOA_S (continued)										
LCS (B2C1221-BS1) - Continued						Prepared: 3/17/2022 Analyzed: 3/17/2022				
1,2-Dichloropropane	47.8300	5.0	0.46	50.0000		95.7	77 - 121			
1,3,5-Trimethylbenzene	47.1000	5.0	0.70	50.0000		94.2	84 - 135			
1,3-Dichlorobenzene	47.5400	5.0	0.36	50.0000		95.1	81 - 126			
1,3-Dichloropropane	47.9700	5.0	0.49	50.0000		95.9	80 - 118			
1,4-Dichlorobenzene	48.1700	5.0	0.27	50.0000		96.3	80 - 124			
2,2-Dichloropropane	55.4800	5.0	0.28	50.0000		111	72 - 135			
2-Chlorotoluene	48.4600	5.0	0.53	50.0000		96.9	81 - 127			
4-Chlorotoluene	49.7800	5.0	0.40	50.0000		99.6	83 - 127			
4-Isopropyltoluene	45.9900	5.0	0.81	50.0000		92.0	82 - 143			
Benzene	50.7800	5.0	0.36	50.0000		102	84 - 123			
Bromobenzene	47.6600	5.0	0.62	50.0000		95.3	80 - 122			
Bromochloromethane	50.7200	5.0	0.30	50.0000		101	83 - 127			
Bromodichloromethane	56.9500	5.0	0.52	50.0000		114	82 - 123			
Bromoform	44.5600	5.0	1.4	50.0000		89.1	80 - 132			
Bromomethane	83.1300	5.0	2.5	50.0000		166	67 - 176			
Carbon disulfide	58.7300	5.0	0.94	50.0000		117	75 - 138			
Carbon tetrachloride	56.9400	5.0	0.73	50.0000		114	76 - 131			
Chlorobenzene	47.7600	5.0	0.42	50.0000		95.5	84 - 119			
Chloroethane	62.2500	5.0	1.5	50.0000		124	56 - 170			
Chloroform	54.5400	5.0	0.24	50.0000		109	78 - 129			
Chloromethane	45.7000	5.0	1.1	50.0000		91.4	63 - 141			
cis-1,2-Dichloroethene	40.2500	5.0	0.20	50.0000		80.5	83 - 125			L3
cis-1,3-Dichloropropene	43.4900	5.0	0.39	50.0000		87.0	76 - 129			
Di-isopropyl ether	48.0000	5.0	1.9	50.0000		96.0	73 - 132			
Dibromochloromethane	45.9200	5.0	0.81	50.0000		91.8	81 - 120			
Dibromomethane	53.6700	5.0	0.23	50.0000		107	79 - 124			
Dichlorodifluoromethane	45.7100	5.0	0.14	50.0000		91.4	18 - 199			
Ethyl Acetate	21.1300	50	7.0	500.000		4.23	76 - 138			MO
Ethyl Ether	643.810	50	17	500.000		129	74 - 128			L3
Ethyl tert-butyl ether	47.6800	5.0	0.85	50.0000		95.4	50 - 175			
Ethylbenzene	47.6800	5.0	0.43	50.0000		95.4	86 - 130			
Freon-113	67.4300	5.0	1.3	50.0000		135	66 - 132			L4
Hexachlorobutadiene	49.9900	5.0	0.40	50.0000		100	64 - 135			
Isopropylbenzene	48.3000	5.0	0.79	50.0000		96.6	80 - 133			
m,p-Xylene	95.6500	10	0.98	100.000		95.6	89 - 133			
Methylene chloride	52.4300	5.0	2.2	50.0000		105	72 - 143			
MTBE	46.6100	5.0	0.81	50.0000		93.2	73 - 136			
n-Butylbenzene	46.3400	5.0	1.2	50.0000		92.7	76 - 144			
n-Propylbenzene	48.1800	5.0	0.78	50.0000		96.4	81 - 136			
Naphthalene	42.8400	5.0	1.1	50.0000		85.7	64 - 128			
o-Xylene	47.4000	5.0	0.67	50.0000		94.8	82 - 134			
sec-Butylbenzene	46.2800	5.0	0.63	50.0000		92.6	81 - 138			
Styrene	45.7300	5.0	0.45	50.0000		91.5	79 - 152			
tert-Amyl methyl ether	47.0700	5.0	1.1	50.0000		94.1	48 - 166			
tert-Butanol	184.840	100	11	250.000		73.9	48 - 148			

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1221 - MSVOA_S (continued)										
LCS (B2C1221-BS1) - Continued						Prepared: 3/17/2022 Analyzed: 3/17/2022				
tert-Butylbenzene	45.1400	5.0	0.80	50.0000		90.3	81 - 135			
Tetrachloroethene	45.5500	5.0	0.31	50.0000		91.1	75 - 127			
Toluene	49.4700	5.0	0.27	50.0000		98.9	88 - 130			
trans-1,2-Dichloroethene	67.5600	5.0	0.56	50.0000		135	79 - 127			L4
trans-1,3-Dichloropropene	51.2400	5.0	0.59	50.0000		102	80 - 130			
Trichloroethene	50.9700	5.0	0.32	50.0000		102	83 - 126			
Trichlorofluoromethane	65.8400	5.0	1.0	50.0000		132	62 - 143			
Vinyl acetate	32.6000	50	6.0	500.000		6.52	69 - 150			MO
Vinyl chloride	61.2900	5.0	0.92	50.0000		123	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*60.25*			*50.0000*		*120*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*49.07*			*50.0000*		*98.1*	*50 - 146*			
Surrogate: Dibromofluoromethane	*58.40*			*50.0000*		*117*	*77 - 159*			
Surrogate: Toluene-d8	*50.83*			*50.0000*		*102*	*81 - 128*			
LCS Dup (B2C1221-BSD1)						Prepared: 3/17/2022 Analyzed: 3/17/2022				
1,1,1,2-Tetrachloroethane	48.1500	5.0	0.52	50.0000		96.3	84 - 123	5.46	20	
1,1,1-Trichloroethane	53.7500	5.0	0.26	50.0000		108	78 - 133	4.56	20	
1,1,2,2-Tetrachloroethane	44.5200	5.0	0.21	50.0000		89.0	63 - 127	3.45	20	
1,1,2-Trichloroethane	51.7800	5.0	0.40	50.0000		104	80 - 125	0.873	20	
1,1-Dichloroethane	50.0300	5.0	1.4	50.0000		100	77 - 128	4.70	20	
1,1-Dichloroethene	48.9600	5.0	1.9	50.0000		97.9	69 - 138	20.5	20	R
1,1-Dichloropropene	50.8800	5.0	0.54	50.0000		102	80 - 133	3.87	20	
1,2,3-Trichloropropane	48.7000	5.0	0.40	50.0000		97.4	74 - 123	3.19	20	
1,2,3-Trichlorobenzene	48.5800	5.0	0.83	50.0000		97.2	79 - 133	1.87	20	
1,2,4-Trichlorobenzene	45.8700	5.0	0.80	50.0000		91.7	73 - 131	6.18	20	
1,2,4-Trimethylbenzene	47.6100	5.0	0.91	50.0000		95.2	86 - 137	0.0630	20	
1,2-Dibromo-3-chloropropane	46.9800	10	1.1	50.0000		94.0	62 - 127	0.0851	20	
1,2-Dibromoethane	51.7000	5.0	0.40	50.0000		103	83 - 126	6.47	20	
1,2-Dichlorobenzene	47.7700	5.0	0.21	50.0000		95.5	83 - 123	4.25	20	
1,2-Dichloroethane	56.5500	5.0	0.50	50.0000		113	76 - 128	0.985	20	
1,2-Dichloropropane	47.1700	5.0	0.46	50.0000		94.3	77 - 121	1.39	20	
1,3,5-Trimethylbenzene	48.2400	5.0	0.70	50.0000		96.5	84 - 135	2.39	20	
1,3-Dichlorobenzene	48.3400	5.0	0.36	50.0000		96.7	81 - 126	1.67	20	
1,3-Dichloropropane	47.7400	5.0	0.49	50.0000		95.5	80 - 118	0.481	20	
1,4-Dichlorobenzene	47.5000	5.0	0.27	50.0000		95.0	80 - 124	1.40	20	
2,2-Dichloropropane	50.0700	5.0	0.28	50.0000		100	72 - 135	10.3	20	
2-Chlorotoluene	47.2300	5.0	0.53	50.0000		94.5	81 - 127	2.57	20	
4-Chlorotoluene	49.2900	5.0	0.40	50.0000		98.6	83 - 127	0.989	20	
4-Isopropyltoluene	45.4500	5.0	0.81	50.0000		90.9	82 - 143	1.18	20	
Benzene	50.1800	5.0	0.36	50.0000		100	84 - 123	1.19	20	
Bromobenzene	46.6900	5.0	0.62	50.0000		93.4	80 - 122	2.06	20	
Bromochloromethane	50.0300	5.0	0.30	50.0000		100	83 - 127	1.37	20	
Bromodichloromethane	55.7800	5.0	0.52	50.0000		112	82 - 123	2.08	20	
Bromoform	47.8500	5.0	1.4	50.0000		95.7	80 - 132	7.12	20	
Bromomethane	69.1500	5.0	2.5	50.0000		138	67 - 176	18.4	20	

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 04/01/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1221 - MSVOA_S (continued)										
LCS Dup (B2C1221-BSD1) - Continued					Prepared: 3/17/2022 Analyzed: 3/17/2022					
Carbon disulfide	51.4900	5.0	0.94	50.0000		103	75 - 138	13.1	20	
Carbon tetrachloride	50.5700	5.0	0.73	50.0000		101	76 - 131	11.9	20	
Chlorobenzene	47.2600	5.0	0.42	50.0000		94.5	84 - 119	1.05	20	
Chloroethane	58.9400	5.0	1.5	50.0000		118	56 - 170	5.46	20	
Chloroform	55.1800	5.0	0.24	50.0000		110	78 - 129	1.17	20	
Chloromethane	46.8600	5.0	1.1	50.0000		93.7	63 - 141	2.51	20	
cis-1,2-Dichloroethene	38.5500	5.0	0.20	50.0000		77.1	83 - 125	4.31	20	L3
cis-1,3-Dichloropropene	41.2500	5.0	0.39	50.0000		82.5	76 - 129	5.29	20	
Di-isopropyl ether	45.7100	5.0	1.9	50.0000		91.4	73 - 132	4.89	20	
Dibromochloromethane	47.1000	5.0	0.81	50.0000		94.2	81 - 120	2.54	20	
Dibromomethane	51.0800	5.0	0.23	50.0000		102	79 - 124	4.95	20	
Dichlorodifluoromethane	43.3800	5.0	0.14	50.0000		86.8	18 - 199	5.23	20	
Ethyl Acetate	20.1400	50	7.0	500.000		4.03	76 - 138	4.80	20	MO
Ethyl Ether	601.460	50	17	500.000		120	74 - 128	6.80	20	
Ethyl tert-butyl ether	45.6900	5.0	0.85	50.0000		91.4	50 - 175	4.26	20	
Ethylbenzene	49.4200	5.0	0.43	50.0000		98.8	86 - 130	3.58	20	
Freon-113	58.2100	5.0	1.3	50.0000		116	66 - 132	14.7	20	
Hexachlorobutadiene	47.8900	5.0	0.40	50.0000		95.8	64 - 135	4.29	20	
Isopropylbenzene	48.5500	5.0	0.79	50.0000		97.1	80 - 133	0.516	20	
m,p-Xylene	96.3600	10	0.98	100.000		96.4	89 - 133	0.740	20	
Methylene chloride	51.3700	5.0	2.2	50.0000		103	72 - 143	2.04	20	
MTBE	46.3100	5.0	0.81	50.0000		92.6	73 - 136	0.646	20	
n-Butylbenzene	46.8500	5.0	1.2	50.0000		93.7	76 - 144	1.09	20	
n-Propylbenzene	46.9800	5.0	0.78	50.0000		94.0	81 - 136	2.52	20	
Naphthalene	41.4800	5.0	1.1	50.0000		83.0	64 - 128	3.23	20	
o-Xylene	47.6600	5.0	0.67	50.0000		95.3	82 - 134	0.547	20	
sec-Butylbenzene	46.1400	5.0	0.63	50.0000		92.3	81 - 138	0.303	20	
Styrene	48.1800	5.0	0.45	50.0000		96.4	79 - 152	5.22	20	
tert-Amyl methyl ether	46.2000	5.0	1.1	50.0000		92.4	48 - 166	1.87	20	
tert-Butanol	179.690	100	11	250.000		71.9	48 - 148	2.83	20	
tert-Butylbenzene	45.1400	5.0	0.80	50.0000		90.3	81 - 135	0.00	20	
Tetrachloroethene	49.4300	5.0	0.31	50.0000		98.9	75 - 127	8.17	20	
Toluene	49.7800	5.0	0.27	50.0000		99.6	88 - 130	0.625	20	
trans-1,2-Dichloroethene	67.6800	5.0	0.56	50.0000		135	79 - 127	0.177	20	L4
trans-1,3-Dichloropropene	51.1300	5.0	0.59	50.0000		102	80 - 130	0.215	20	
Trichloroethene	51.0200	5.0	0.32	50.0000		102	83 - 126	0.0980	20	
Trichlorofluoromethane	59.2800	5.0	1.0	50.0000		119	62 - 143	10.5	20	
Vinyl acetate	27.4300	50	6.0	500.000		5.49	69 - 150	17.2	20	MO
Vinyl chloride	59.1300	5.0	0.92	50.0000		118	69 - 140	3.59	20	
Surrogate: 1,2-Dichloroethane-d4	*56.71*			*50.0000*		*113*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.84*			*50.0000*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*57.14*			*50.0000*		*114*	*77 - 159*			
Surrogate: Toluene-d8	*50.03*			*50.0000*		*100*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 3/16/22
Page 1 of 1

2200396

3.4°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tiam Novin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	6IW-30-4-1	3/16/22	0832	Soil	1	1			X									
2	6IW-30-4-5.5		0851		5	1	4			X	X	X						
3	6IW-30-5-1		0917		1	1			X									
4	6IW-30-5-5.5		0926		5	1	4			X	X	X						
5	6IW-30-2-1		0959		1	1			X									
6	6IW-30-2-5.5		1011		5	1	4			X	X	X						
7	6IW-30-3-1		1054		1	1			X									
8	6IW-30-3-5.5		1101		5	1	4			X	X	X						
9	6IW-30-1-1		1134		1	1			X									
10	6IW-30-1-5.5		1144		5	1	4			X	X	X						
11	6IW-30-7-1		1208		1	1			X									
12	6IW-30-7-5.5		1223	↓	5	1	4			X	X	X						
13	TB-20220316		1328	water	4		4											X
14	6IW-30-8-1		1335	Soil	1	1			X									
15	6IW-30-8-5.5	↓	1432	Soil	5	1	4			X	X	X						

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/16/22	Time: 1630
Relinquished by: (Signature) 3-16-22 18:27	Received by: (Signature)	Date: 3/16/22	Time: 18:27
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

May 12, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200407
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 17, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 05/12/22 15:33 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-32-10-1	2200407-01	Soil	3/17/22 7:44	3/17/22 18:12
61W-32-10-5.5	2200407-02	Soil	3/17/22 7:54	3/17/22 18:12
61W-32-9-1	2200407-03	Soil	3/17/22 8:12	3/17/22 18:12
61W-32-9-5.5	2200407-04	Soil	3/17/22 8:20	3/17/22 18:12
61W-32-8-1	2200407-05	Soil	3/17/22 8:41	3/17/22 18:12
61W-32-8-5.5	2200407-06	Soil	3/17/22 8:48	3/17/22 18:12
SV-8-1	2200407-07	Soil	3/17/22 9:53	3/17/22 18:12
SV-8-5.5	2200407-08	Soil	3/17/22 10:15	3/17/22 18:12
SV-8-14	2200407-09	Soil	3/17/22 10:20	3/17/22 18:12
SV-5-1	2200407-10	Soil	3/17/22 11:20	3/17/22 18:12
SV-5-5.5	2200407-11	Soil	3/17/22 11:31	3/17/22 18:12
SV-5-14	2200407-12	Soil	3/17/22 11:37	3/17/22 18:12
TB_20220317	2200407-13	Water	3/17/22 11:48	3/17/22 18:12
SV-2-1	2200407-14	Soil	3/17/22 13:19	3/17/22 18:12
SV-2-5.5	2200407-15	Soil	3/17/22 13:28	3/17/22 18:12
SV-2-14	2200407-16	Soil	3/17/22 13:33	3/17/22 18:12
61W-44-1	2200407-17	Soil	3/17/22 14:30	3/17/22 18:12
61W-44-5.5	2200407-18	Soil	3/17/22 14:44	3/17/22 18:12

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

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Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200407-01	61W-32-10-1	**ND**	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22 15:34	
2200407-03	61W-32-9-1	**ND**	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22 15:37	
2200407-05	61W-32-8-1	**ND**	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22 15:47	
2200407-07	SV-8-1	**ND**	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22 15:50	
2200407-10	SV-5-1	**ND**	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22 15:53	
2200407-14	SV-2-1	**ND**	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22 15:55	
2200407-17	61W-44-1	**ND**	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22 15:58	

Client Sample ID: 61W-32-10-1
Lab ID: 2200407-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Barium	**100**	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Beryllium	**2.6**	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Chromium	**15**	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Cobalt	**5.4**	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Copper	**10**	2.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Lead	**2.8**	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Nickel	**6.7**	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Selenium	**1.0**	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Silver	**5.9**	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Vanadium	**29**	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Zinc	**37**	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	

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Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-32-10-5.5

Lab ID: 2200407-02

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 12:43	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 12:43	
Surrogate: p-Terphenyl	*92.1 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 12:43*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,1,1-Trichloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,1,2-Trichloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,1-Dichloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,1-Dichloroethene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,1-Dichloropropene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2,3-Trichloropropane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2-Dibromoethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2-Dichlorobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2-Dichloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2-Dichloropropane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,3-Dichlorobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,3-Dichloropropane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,4-Dichlorobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
2,2-Dichloropropane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
2-Chlorotoluene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
4-Chlorotoluene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
4-Isopropyltoluene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Benzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Bromobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Bromochloromethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Bromodichloromethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Bromoform	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Bromomethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Carbon disulfide	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	

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Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-32-10-5.5

Lab ID: 2200407-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Chlorobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Chloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Chloroform	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Chloromethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Di-isopropyl ether	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Dibromochloromethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Dibromomethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Dichlorodifluoromethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Ethyl Acetate	ND	39	1	B2C1278	03/21/2022	03/21/22 15:40	
Ethyl Ether	ND	39	1	B2C1278	03/21/2022	03/21/22 15:40	
Ethyl tert-butyl ether	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Ethylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Freon-113	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Hexachlorobutadiene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Isopropylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
m,p-Xylene	ND	7.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Methylene chloride	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
MTBE	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
n-Butylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
n-Propylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Naphthalene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
o-Xylene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
sec-Butylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Styrene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
tert-Amyl methyl ether	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
tert-Butanol	ND	79	1	B2C1278	03/21/2022	03/21/22 15:40	
tert-Butylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Tetrachloroethene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Toluene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Trichloroethene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Trichlorofluoromethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Vinyl acetate	ND	39	1	B2C1278	03/21/2022	03/21/22 15:40	
Vinyl chloride	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Surrogate: 1,2-Dichloroethane-d4	*126 %*	*66 - 200*		B2C1278	03/21/2022	*03/21/22 15:40*	
Surrogate: 4-Bromofluorobenzene	*89.2 %*	*50 - 146*		B2C1278	03/21/2022	*03/21/22 15:40*	

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Client Sample ID: 61W-32-10-5.5
Lab ID: 2200407-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*112 %*	*77 - 159*		B2C1278	03/21/2022	*03/21/22 15:40*	
Surrogate: Toluene-d8	*93.4 %*	*81 - 128*		B2C1278	03/21/2022	*03/21/22 15:40*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.82	1	B2C1398	03/27/2022	03/27/22 20:50	
Surrogate: 4-Bromofluorobenzene	*103 %*	*47.6 - 121.18*		B2C1398	03/27/2022	*03/27/22 20:50*	

Client Sample ID: 61W-32-9-1
Lab ID: 2200407-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Barium	**91**	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Beryllium	**2.3**	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Chromium	**13**	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Cobalt	**4.8**	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Copper	**10**	2.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Lead	**2.4**	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Nickel	**6.0**	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Selenium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Silver	**5.1**	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Vanadium	**26**	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Zinc	**34**	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	

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Client Sample ID: 61W-32-9-5.5

Lab ID: 2200407-04

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 14:07	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 14:07	
Surrogate: p-Terphenyl	*96.3 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 14:07*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,1,1-Trichloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,1,2,2-Tetrachloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,1,2-Trichloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,1-Dichloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,1-Dichloroethene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,1-Dichloropropene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2,3-Trichloropropane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2,3-Trichlorobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2,4-Trichlorobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2,4-Trimethylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2-Dibromo-3-chloropropane	ND	6.9	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2-Dibromoethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2-Dichlorobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2-Dichloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2-Dichloropropane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,3,5-Trimethylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,3-Dichlorobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,3-Dichloropropane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,4-Dichlorobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
2,2-Dichloropropane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
2-Chlorotoluene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
4-Chlorotoluene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
4-Isopropyltoluene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Benzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Bromobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Bromochloromethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Bromodichloromethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Bromoform	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Bromomethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Carbon disulfide	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	

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Client Sample ID: 61W-32-9-5.5

Lab ID: 2200407-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Chlorobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Chloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Chloroform	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Chloromethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
cis-1,2-Dichloroethene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
cis-1,3-Dichloropropene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Di-isopropyl ether	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Dibromochloromethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Dibromomethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Dichlorodifluoromethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Ethyl Acetate	ND	35	1	B2C1278	03/21/2022	03/21/22 16:06	
Ethyl Ether	ND	35	1	B2C1278	03/21/2022	03/21/22 16:06	
Ethyl tert-butyl ether	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Ethylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Freon-113	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Hexachlorobutadiene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Isopropylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
m,p-Xylene	ND	6.9	1	B2C1278	03/21/2022	03/21/22 16:06	
Methylene chloride	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
MTBE	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
n-Butylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
n-Propylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Naphthalene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
o-Xylene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
sec-Butylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Styrene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
tert-Amyl methyl ether	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
tert-Butanol	ND	69	1	B2C1278	03/21/2022	03/21/22 16:06	
tert-Butylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Tetrachloroethene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Toluene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
trans-1,2-Dichloroethene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
trans-1,3-Dichloropropene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Trichloroethene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Trichlorofluoromethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Vinyl acetate	ND	35	1	B2C1278	03/21/2022	03/21/22 16:06	
Vinyl chloride	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Surrogate: 1,2-Dichloroethane-d4	*139 %*	*66 - 200*		B2C1278	03/21/2022	*03/21/22 16:06*	
Surrogate: 4-Bromofluorobenzene	*99.4 %*	*50 - 146*		B2C1278	03/21/2022	*03/21/22 16:06*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-32-9-5.5
Lab ID: 2200407-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*122 %*	*77 - 159*		B2C1278	03/21/2022	*03/21/22 16:06*	
Surrogate: Toluene-d8	*98.2 %*	*81 - 128*		B2C1278	03/21/2022	*03/21/22 16:06*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.72	1	B2C1398	03/27/2022	03/27/22 21:15	
Surrogate: 4-Bromofluorobenzene	*110 %*	*47.6 - 121.18*		B2C1398	03/27/2022	*03/27/22 21:15*	

Client Sample ID: 61W-32-8-1
Lab ID: 2200407-05

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Barium	**97**	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Beryllium	**2.5**	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Chromium	**14**	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Cobalt	**4.9**	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Copper	**9.9**	2.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Lead	**2.4**	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Nickel	**6.0**	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Selenium	**1.0**	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Silver	**5.3**	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Vanadium	**27**	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Zinc	**34**	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-32-8-5.5

Lab ID: 2200407-06

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 14:32	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 14:32	
Surrogate: p-Terphenyl	*109 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 14:32*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,1,1-Trichloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,1,2,2-Tetrachloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,1,2-Trichloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,1-Dichloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,1-Dichloroethene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,1-Dichloropropene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2,3-Trichloropropane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2,3-Trichlorobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2,4-Trichlorobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2,4-Trimethylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2-Dibromoethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2-Dichlorobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2-Dichloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2-Dichloropropane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,3,5-Trimethylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,3-Dichlorobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,3-Dichloropropane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,4-Dichlorobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
2,2-Dichloropropane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
2-Chlorotoluene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
4-Chlorotoluene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
4-Isopropyltoluene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Benzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Bromobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Bromochloromethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Bromodichloromethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Bromoform	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Bromomethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Carbon disulfide	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-32-8-5.5

Lab ID: 2200407-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Chlorobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Chloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Chloroform	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Chloromethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
cis-1,2-Dichloroethene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
cis-1,3-Dichloropropene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Di-isopropyl ether	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Dibromochloromethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Dibromomethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Dichlorodifluoromethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Ethyl Acetate	ND	36	1	B2C1278	03/21/2022	03/21/22 16:32	
Ethyl Ether	ND	36	1	B2C1278	03/21/2022	03/21/22 16:32	
Ethyl tert-butyl ether	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Ethylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Freon-113	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Hexachlorobutadiene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Isopropylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
m,p-Xylene	ND	7.3	1	B2C1278	03/21/2022	03/21/22 16:32	
Methylene chloride	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
MTBE	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
n-Butylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
n-Propylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Naphthalene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
o-Xylene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
sec-Butylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Styrene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
tert-Amyl methyl ether	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
tert-Butanol	ND	73	1	B2C1278	03/21/2022	03/21/22 16:32	
tert-Butylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Tetrachloroethene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Toluene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
trans-1,2-Dichloroethene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
trans-1,3-Dichloropropene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Trichloroethene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Trichlorofluoromethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Vinyl acetate	ND	36	1	B2C1278	03/21/2022	03/21/22 16:32	
Vinyl chloride	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Surrogate: 1,2-Dichloroethane-d4	*137 %*	*66 - 200*		B2C1278	03/21/2022	*03/21/22 16:32*	
Surrogate: 4-Bromofluorobenzene	*94.9 %*	*50 - 146*		B2C1278	03/21/2022	*03/21/22 16:32*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-32-8-5.5
Lab ID: 2200407-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*121 %*	*77 - 159*		B2C1278	03/21/2022	*03/21/22 16:32*	
Surrogate: Toluene-d8	*93.9 %*	*81 - 128*		B2C1278	03/21/2022	*03/21/22 16:32*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.72	1	B2C1398	03/27/2022	03/27/22 21:39	
Surrogate: 4-Bromofluorobenzene	*107 %*	*47.6 - 121.18*		B2C1398	03/27/2022	*03/27/22 21:39*	

Client Sample ID: SV-8-1
Lab ID: 2200407-07

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Barium	**86**	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Beryllium	**2.2**	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Chromium	**13**	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Cobalt	**4.3**	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Copper	**8.7**	2.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Lead	**2.4**	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Nickel	**5.4**	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Selenium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Silver	**4.7**	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Vanadium	**26**	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Zinc	**33**	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-8-5.5

Lab ID: 2200407-08

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 14:50	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 14:50	
Surrogate: p-Terphenyl	*105 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 14:50*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,1,1-Trichloroethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,1,2-Trichloroethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,1-Dichloroethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,1-Dichloroethene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,1-Dichloropropene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2,3-Trichloropropane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2-Dibromoethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2-Dichlorobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2-Dichloroethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2-Dichloropropane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,3-Dichlorobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,3-Dichloropropane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,4-Dichlorobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
2,2-Dichloropropane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
2-Chlorotoluene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
4-Chlorotoluene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
4-Isopropyltoluene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Benzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Bromobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Bromochloromethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Bromodichloromethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Bromoform	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Bromomethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Carbon disulfide	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-8-5.5
Lab ID: 2200407-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Chlorobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Chloroethane	**6.2**	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Chloroform	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Chloromethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Di-isopropyl ether	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Dibromochloromethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Dibromomethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Dichlorodifluoromethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Ethyl Acetate	ND	45	1	B2C1278	03/21/2022	03/21/22 16:58	
Ethyl Ether	ND	45	1	B2C1278	03/21/2022	03/21/22 16:58	
Ethyl tert-butyl ether	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Ethylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Freon-113	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Hexachlorobutadiene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Isopropylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
m,p-Xylene	ND	9.1	1	B2C1278	03/21/2022	03/21/22 16:58	
Methylene chloride	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
MTBE	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
n-Butylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
n-Propylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Naphthalene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
o-Xylene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
sec-Butylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Styrene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
tert-Amyl methyl ether	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
tert-Butanol	ND	91	1	B2C1278	03/21/2022	03/21/22 16:58	
tert-Butylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Tetrachloroethene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Toluene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Trichloroethene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Trichlorofluoromethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Vinyl acetate	ND	45	1	B2C1278	03/21/2022	03/21/22 16:58	
Vinyl chloride	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Surrogate: 1,2-Dichloroethane-d4	*123 %*	*66 - 200*		B2C1278	03/21/2022	*03/21/22 16:58*	
Surrogate: 4-Bromofluorobenzene	*87.9 %*	*50 - 146*		B2C1278	03/21/2022	*03/21/22 16:58*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-8-5.5

Lab ID: 2200407-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*113 %*	*77 - 159*		B2C1278	03/21/2022	*03/21/22 16:58*	
Surrogate: Toluene-d8	*91.9 %*	*81 - 128*		B2C1278	03/21/2022	*03/21/22 16:58*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.88	1	B2C1398	03/27/2022	03/27/22 22:04	
Surrogate: 4-Bromofluorobenzene	*107 %*	*47.6 - 121.18*		B2C1398	03/27/2022	*03/27/22 22:04*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-8-14
Lab ID: 2200407-09

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 15:12	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 15:12	
Surrogate: p-Terphenyl	*101 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 15:12*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,1,1-Trichloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,1,2-Trichloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,1-Dichloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,1-Dichloroethene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,1-Dichloropropene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2,3-Trichloropropane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2-Dibromo-3-chloropropane	ND	9.0	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2-Dibromoethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2-Dichlorobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2-Dichloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2-Dichloropropane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,3-Dichlorobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,3-Dichloropropane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,4-Dichlorobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
2,2-Dichloropropane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
2-Chlorotoluene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
4-Chlorotoluene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
4-Isopropyltoluene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Benzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Bromobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Bromochloromethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Bromodichloromethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Bromoform	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Bromomethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Carbon disulfide	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-8-14

Lab ID: 2200407-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Chlorobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Chloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Chloroform	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Chloromethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Di-isopropyl ether	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Dibromochloromethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Dibromomethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Dichlorodifluoromethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Ethyl Acetate	ND	45	1	B2C1304	03/22/2022	03/22/22 14:51	
Ethyl Ether	ND	45	1	B2C1304	03/22/2022	03/22/22 14:51	
Ethyl tert-butyl ether	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Ethylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Freon-113	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Hexachlorobutadiene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Isopropylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
m,p-Xylene	ND	9.0	1	B2C1304	03/22/2022	03/22/22 14:51	
Methylene chloride	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
MTBE	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
n-Butylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
n-Propylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Naphthalene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
o-Xylene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
sec-Butylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Styrene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
tert-Amyl methyl ether	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
tert-Butanol	ND	90	1	B2C1304	03/22/2022	03/22/22 14:51	
tert-Butylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Tetrachloroethene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Toluene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Trichloroethene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Trichlorofluoromethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Vinyl acetate	ND	45	1	B2C1304	03/22/2022	03/22/22 14:51	
Vinyl chloride	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Surrogate: 1,2-Dichloroethane-d4	*144 %*	*66 - 200*		B2C1304	03/22/2022	*03/22/22 14:51*	
Surrogate: 4-Bromofluorobenzene	*98.8 %*	*50 - 146*		B2C1304	03/22/2022	*03/22/22 14:51*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-8-14
Lab ID: 2200407-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*108 %*	*77 - 159*		B2C1304	03/22/2022	*03/22/22 14:51*	
Surrogate: Toluene-d8	*105 %*	*81 - 128*		B2C1304	03/22/2022	*03/22/22 14:51*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.93	1	B2C1398	03/27/2022	03/27/22 22:29	
Surrogate: 4-Bromofluorobenzene	*102 %*	*47.6 - 121.18*		B2C1398	03/27/2022	*03/27/22 22:29*	

Client Sample ID: SV-5-1
Lab ID: 2200407-10

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Barium	**95**	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Beryllium	**2.4**	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Chromium	**14**	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Cobalt	**4.6**	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Copper	**10**	2.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Lead	**2.8**	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Nickel	**6.1**	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Selenium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Silver	**5.3**	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Vanadium	**28**	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Zinc	**37**	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-5-5.5

Lab ID: 2200407-11

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 15:33	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 15:33	
Surrogate: p-Terphenyl	*102 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 15:33*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,1,1-Trichloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,1,2-Trichloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,1-Dichloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,1-Dichloroethene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,1-Dichloropropene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2,3-Trichloropropane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2-Dibromoethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2-Dichlorobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2-Dichloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2-Dichloropropane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,3-Dichlorobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,3-Dichloropropane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,4-Dichlorobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
2,2-Dichloropropane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
2-Chlorotoluene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
4-Chlorotoluene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
4-Isopropyltoluene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Benzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Bromobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Bromochloromethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Bromodichloromethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Bromoform	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Bromomethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Carbon disulfide	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-5-5.5

Lab ID: 2200407-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Chlorobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Chloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Chloroform	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Chloromethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Di-isopropyl ether	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Dibromochloromethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Dibromomethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Dichlorodifluoromethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Ethyl Acetate	ND	43	1	B2C1304	03/22/2022	03/22/22 15:16	
Ethyl Ether	ND	43	1	B2C1304	03/22/2022	03/22/22 15:16	
Ethyl tert-butyl ether	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Ethylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Freon-113	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Hexachlorobutadiene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Isopropylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
m,p-Xylene	ND	8.6	1	B2C1304	03/22/2022	03/22/22 15:16	
Methylene chloride	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
MTBE	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
n-Butylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
n-Propylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Naphthalene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
o-Xylene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
sec-Butylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Styrene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
tert-Amyl methyl ether	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
tert-Butanol	ND	86	1	B2C1304	03/22/2022	03/22/22 15:16	
tert-Butylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Tetrachloroethene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Toluene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Trichloroethene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Trichlorofluoromethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Vinyl acetate	ND	43	1	B2C1304	03/22/2022	03/22/22 15:16	
Vinyl chloride	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Surrogate: 1,2-Dichloroethane-d4	*151 %*	*66 - 200*		B2C1304	03/22/2022	*03/22/22 15:16*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C1304	03/22/2022	*03/22/22 15:16*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-5-5.5

Lab ID: 2200407-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*101 %*	*77 - 159*		B2C1304	03/22/2022	*03/22/22 15:16*	
Surrogate: Toluene-d8	*111 %*	*81 - 128*		B2C1304	03/22/2022	*03/22/22 15:16*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1398	03/27/2022	03/27/22 22:53	
Surrogate: 4-Bromofluorobenzene	*101 %*	*47.6 - 121.18*		B2C1398	03/27/2022	*03/27/22 22:53*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-5-14

Lab ID: 2200407-12

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 15:54	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 15:54	
Surrogate: p-Terphenyl	*94.7 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 15:54*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,1,1-Trichloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,1,2-Trichloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,1-Dichloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,1-Dichloroethene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,1-Dichloropropene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2,3-Trichloropropane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2-Dibromoethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2-Dichlorobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2-Dichloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2-Dichloropropane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,3-Dichlorobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,3-Dichloropropane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,4-Dichlorobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
2,2-Dichloropropane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
2-Chlorotoluene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
4-Chlorotoluene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
4-Isopropyltoluene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Benzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Bromobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Bromochloromethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Bromodichloromethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Bromoform	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Bromomethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Carbon disulfide	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-5-14

Lab ID: 2200407-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Chlorobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Chloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Chloroform	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Chloromethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Di-isopropyl ether	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Dibromochloromethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Dibromomethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Dichlorodifluoromethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Ethyl Acetate	ND	47	1	B2C1304	03/22/2022	03/22/22 15:42	
Ethyl Ether	ND	47	1	B2C1304	03/22/2022	03/22/22 15:42	
Ethyl tert-butyl ether	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Ethylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Freon-113	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Hexachlorobutadiene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Isopropylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
m,p-Xylene	ND	9.4	1	B2C1304	03/22/2022	03/22/22 15:42	
Methylene chloride	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
MTBE	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
n-Butylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
n-Propylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Naphthalene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
o-Xylene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
sec-Butylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Styrene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
tert-Amyl methyl ether	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
tert-Butanol	ND	94	1	B2C1304	03/22/2022	03/22/22 15:42	
tert-Butylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Tetrachloroethene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Toluene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Trichloroethene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Trichlorofluoromethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Vinyl acetate	ND	47	1	B2C1304	03/22/2022	03/22/22 15:42	
Vinyl chloride	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Surrogate: 1,2-Dichloroethane-d4	*167 %*	*66 - 200*		B2C1304	03/22/2022	*03/22/22 15:42*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*50 - 146*		B2C1304	03/22/2022	*03/22/22 15:42*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-5-14
Lab ID: 2200407-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*112 %*	*77 - 159*		B2C1304	03/22/2022	*03/22/22 15:42*	
Surrogate: Toluene-d8	*112 %*	*81 - 128*		B2C1304	03/22/2022	*03/22/22 15:42*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.97	1	B2C1398	03/27/2022	03/27/22 23:18	
Surrogate: 4-Bromofluorobenzene	*103 %*	*47.6 - 121.18*		B2C1398	03/27/2022	*03/27/22 23:18*	

Client Sample ID: SV-2-1
Lab ID: 2200407-14

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Barium	**120**	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Beryllium	**3.2**	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Chromium	**18**	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Cobalt	**6.3**	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Copper	**13**	2.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Lead	**2.9**	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Nickel	**7.9**	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Selenium	**1.1**	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Silver	**7.0**	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Vanadium	**34**	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Zinc	**43**	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-2-5.5

Lab ID: 2200407-15

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 16:15	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 16:15	
Surrogate: p-Terphenyl	*108 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 16:15*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,1,1-Trichloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,1,2-Trichloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,1-Dichloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,1-Dichloroethene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,1-Dichloropropene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2,3-Trichloropropane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2-Dibromo-3-chloropropane	ND	9.8	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2-Dibromoethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2-Dichlorobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2-Dichloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2-Dichloropropane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,3-Dichlorobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,3-Dichloropropane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,4-Dichlorobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
2,2-Dichloropropane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
2-Chlorotoluene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
4-Chlorotoluene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
4-Isopropyltoluene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Benzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Bromobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Bromochloromethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Bromodichloromethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Bromoform	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Bromomethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Carbon disulfide	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-2-5.5

Lab ID: 2200407-15

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Chlorobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Chloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Chloroform	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Chloromethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
cis-1,2-Dichloroethene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
cis-1,3-Dichloropropene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Di-isopropyl ether	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Dibromochloromethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Dibromomethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Dichlorodifluoromethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Ethyl Acetate	ND	49	1	B2C1304	03/22/2022	03/22/22 16:08	
Ethyl Ether	ND	49	1	B2C1304	03/22/2022	03/22/22 16:08	
Ethyl tert-butyl ether	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Ethylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Freon-113	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Hexachlorobutadiene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Isopropylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
m,p-Xylene	ND	9.8	1	B2C1304	03/22/2022	03/22/22 16:08	
Methylene chloride	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
MTBE	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
n-Butylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
n-Propylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Naphthalene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
o-Xylene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
sec-Butylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Styrene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
tert-Amyl methyl ether	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
tert-Butanol	ND	98	1	B2C1304	03/22/2022	03/22/22 16:08	
tert-Butylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Tetrachloroethene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Toluene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
trans-1,2-Dichloroethene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
trans-1,3-Dichloropropene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Trichloroethene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Trichlorofluoromethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Vinyl acetate	ND	49	1	B2C1304	03/22/2022	03/22/22 16:08	
Vinyl chloride	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Surrogate: 1,2-Dichloroethane-d4	*173 %*	*66 - 200*		B2C1304	03/22/2022	*03/22/22 16:08*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C1304	03/22/2022	*03/22/22 16:08*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-2-5.5

Lab ID: 2200407-15

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*112 %*	*77 - 159*		B2C1304	03/22/2022	*03/22/22 16:08*	
Surrogate: Toluene-d8	*112 %*	*81 - 128*		B2C1304	03/22/2022	*03/22/22 16:08*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C1385	03/25/2022	03/25/22 23:19	
Surrogate: 4-Bromofluorobenzene	*102 %*	*47.6 - 121.18*		B2C1385	03/25/2022	*03/25/22 23:19*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-2-14
Lab ID: 2200407-16

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 16:37	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 16:37	
Surrogate: p-Terphenyl	*102 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 16:37*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,1,1-Trichloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,1,2-Trichloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,1-Dichloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,1-Dichloroethene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,1-Dichloropropene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2,3-Trichloropropane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2-Dibromoethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2-Dichlorobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2-Dichloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2-Dichloropropane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,3-Dichlorobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,3-Dichloropropane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,4-Dichlorobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
2,2-Dichloropropane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
2-Chlorotoluene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
4-Chlorotoluene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
4-Isopropyltoluene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Benzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Bromobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Bromochloromethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Bromodichloromethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Bromoform	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Bromomethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Carbon disulfide	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-2-14

Lab ID: 2200407-16

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Chlorobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Chloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Chloroform	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Chloromethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Di-isopropyl ether	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Dibromochloromethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Dibromomethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Dichlorodifluoromethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Ethyl Acetate	ND	46	1	B2C1304	03/22/2022	03/22/22 16:33	
Ethyl Ether	ND	46	1	B2C1304	03/22/2022	03/22/22 16:33	
Ethyl tert-butyl ether	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Ethylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Freon-113	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Hexachlorobutadiene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Isopropylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
m,p-Xylene	ND	9.1	1	B2C1304	03/22/2022	03/22/22 16:33	
Methylene chloride	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
MTBE	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
n-Butylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
n-Propylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Naphthalene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
o-Xylene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
sec-Butylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Styrene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
tert-Amyl methyl ether	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
tert-Butanol	ND	91	1	B2C1304	03/22/2022	03/22/22 16:33	
tert-Butylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Tetrachloroethene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Toluene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Trichloroethene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Trichlorofluoromethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Vinyl acetate	ND	46	1	B2C1304	03/22/2022	03/22/22 16:33	
Vinyl chloride	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Surrogate: 1,2-Dichloroethane-d4	*142 %*	*66 - 200*		B2C1304	03/22/2022	*03/22/22 16:33*	
Surrogate: 4-Bromofluorobenzene	*97.5 %*	*50 - 146*		B2C1304	03/22/2022	*03/22/22 16:33*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-2-14
Lab ID: 2200407-16

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*96.8 %*	*77 - 159*		B2C1304	03/22/2022	*03/22/22 16:33*	
Surrogate: Toluene-d8	*109 %*	*81 - 128*		B2C1304	03/22/2022	*03/22/22 16:33*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C1385	03/25/2022	03/25/22 23:44	
Surrogate: 4-Bromofluorobenzene	*99.5 %*	*47.6 - 121.18*		B2C1385	03/25/2022	*03/25/22 23:44*	

Client Sample ID: 61W-44-1
Lab ID: 2200407-17

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Barium	**93**	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Beryllium	**2.4**	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Chromium	**14**	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Cobalt	**4.8**	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Copper	**10**	2.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Lead	**3.3**	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Nickel	**6.1**	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Selenium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Silver	**5.2**	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Vanadium	**27**	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Zinc	**36**	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-44-5.5

Lab ID: 2200407-18

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Acenaphthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Acenaphthylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Benzo(a)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Benzo(a)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Benzo(b)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Benzo(k)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Chrysene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Fluorene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Naphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Phenanthrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Surrogate: 1,2-Dichlorobenzene-d4	*74.8 %*	*12 - 125*		B2C1309	03/22/2022	*03/23/22 01:14*	
Surrogate: 2-Fluorobiphenyl	*88.9 %*	*14 - 139*		B2C1309	03/22/2022	*03/23/22 01:14*	
Surrogate: Nitrobenzene-d5	*67.3 %*	*8 - 155*		B2C1309	03/22/2022	*03/23/22 01:14*	
Surrogate: 4-Terphenyl-d14	*104 %*	*16 - 152*		B2C1309	03/22/2022	*03/23/22 01:14*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 16:58	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 16:58	
Surrogate: p-Terphenyl	*114 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 16:58*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,1,1-Trichloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,1,2-Trichloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-44-5.5

Lab ID: 2200407-18

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,1-Dichloroethene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,1-Dichloropropene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2,3-Trichloropropane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2-Dibromoethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2-Dichlorobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2-Dichloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2-Dichloropropane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,3-Dichlorobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,3-Dichloropropane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,4-Dichlorobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
2,2-Dichloropropane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
2-Chlorotoluene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
4-Chlorotoluene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
4-Isopropyltoluene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Benzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Bromobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Bromochloromethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Bromodichloromethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Bromoform	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Bromomethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Carbon disulfide	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Carbon tetrachloride	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Chlorobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Chloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Chloroform	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Chloromethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Di-isopropyl ether	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Dibromochloromethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Dibromomethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Dichlorodifluoromethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Ethyl Acetate	ND	41	1	B2C1304	03/22/2022	03/22/22 16:59	
Ethyl Ether	ND	41	1	B2C1304	03/22/2022	03/22/22 16:59	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-44-5.5

Lab ID: 2200407-18

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Ethylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Freon-113	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Hexachlorobutadiene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Isopropylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
m,p-Xylene	ND	8.2	1	B2C1304	03/22/2022	03/22/22 16:59	
Methylene chloride	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
MTBE	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
n-Butylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
n-Propylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Naphthalene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
o-Xylene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
sec-Butylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Styrene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
tert-Amyl methyl ether	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
tert-Butanol	ND	82	1	B2C1304	03/22/2022	03/22/22 16:59	
tert-Butylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Tetrachloroethene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Toluene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Trichloroethene	**4.3**	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Trichlorofluoromethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Vinyl acetate	ND	41	1	B2C1304	03/22/2022	03/22/22 16:59	
Vinyl chloride	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Surrogate: 1,2-Dichloroethane-d4	*177 %*	*66 - 200*		B2C1304	03/22/2022	*03/22/22 16:59*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*50 - 146*		B2C1304	03/22/2022	*03/22/22 16:59*	
Surrogate: Dibromofluoromethane	*112 %*	*77 - 159*		B2C1304	03/22/2022	*03/22/22 16:59*	
Surrogate: Toluene-d8	*110 %*	*81 - 128*		B2C1304	03/22/2022	*03/22/22 16:59*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.79	1	B2C1385	03/25/2022	03/26/22 00:08	
Surrogate: 4-Bromofluorobenzene	*108 %*	*47.6 - 121.18*		B2C1385	03/25/2022	*03/26/22 00:08*	

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GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

QUALITY CONTROL SECTION

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1309 - MSSEMI_S										
Blank (B2C1309-BLK1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	ND	5.0	0.45							
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	ND	5.0	0.34							
Pyrene	ND	5.0	0.51							
Surrogate: 1,2-Dichlorobenzene-d4	*23.02*			*66.6667*		*34.5*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*41.13*			*66.6667*		*61.7*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*23.97*			*66.6667*		*36.0*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*62.16*			*66.6667*		*93.2*	*16 - 152*			
LCS (B2C1309-BS1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
2-Methylnaphthalene	34.6400	5.0	0.60	66.6667		52.0	39 - 92			
Acenaphthene	39.2980	5.0	0.41	66.6667		58.9	35 - 94			
Acenaphthylene	41.2333	5.0	0.41	66.6667		61.8	31 - 101			
Anthracene	42.0100	5.0	0.56	66.6667		63.0	37 - 95			
Benzo(a)anthracene	65.4147	5.0	0.56	66.6667		98.1	43 - 102			
Benzo(a)pyrene	65.4880	5.0	0.69	66.6667		98.2	38 - 95			L3
Benzo(b)fluoranthene	72.7647	5.0	2.2	66.6667		109	44 - 102			L3
Benzo(g,h,i)perylene	40.3527	5.0	0.80	66.6667		60.5	34 - 114			
Benzo(k)fluoranthene	73.8320	5.0	0.70	66.6667		111	34 - 110			L3
Chrysene	65.5840	5.0	0.61	66.6667		98.4	46 - 101			
Dibenz(a,h)anthracene	47.2953	5.0	0.88	66.6667		70.9	35 - 117			
Fluoranthene	51.2020	5.0	0.45	66.6667		76.8	46 - 107			
Fluorene	39.6313	5.0	0.35	66.6667		59.4	35 - 98			
Indeno(1,2,3-cd)pyrene	45.1853	5.0	0.82	66.6667		67.8	35 - 114			
Naphthalene	35.2627	5.0	0.56	66.6667		52.9	39 - 86			
Phenanthrene	42.7253	5.0	0.34	66.6667		64.1	43 - 98			
Pyrene	52.8307	5.0	0.51	66.6667		79.2	44 - 108			
Surrogate: 1,2-Dichlorobenzene-d4	*38.25*			*66.6667*		*57.4*	*12 - 125*			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1309 - MSSEMI_S (continued)										
LCS (B2C1309-BS1) - Continued						Prepared: 3/22/2022 Analyzed: 3/22/2022				
Surrogate: 2-Fluorobiphenyl	*47.56*			*66.6667*		*71.3*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*35.80*			*66.6667*		*53.7*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*66.23*			*66.6667*		*99.3*	*16 - 152*			
Matrix Spike (B2C1309-MS1)			**Source: 2200407-18**			Prepared: 3/22/2022 Analyzed: 3/23/2022				
2-Methylnaphthalene	37.3033	5.0	0.60	66.6667	1.56000	53.6	43 - 120			
Acenaphthene	43.0480	5.0	0.41	66.6667	1.95733	61.6	52 - 113			
Acenaphthylene	44.7847	5.0	0.41	66.6667	1.46333	65.0	44 - 126			
Anthracene	48.9847	5.0	0.56	66.6667	ND	73.5	49 - 128			
Benzo(a)anthracene	68.3047	5.0	0.56	66.6667	ND	102	32 - 158			
Benzo(a)pyrene	68.4733	5.0	0.69	66.6667	ND	103	39 - 137			
Benzo(b)fluoranthene	75.2367	5.0	2.2	66.6667	ND	113	52 - 132			
Benzo(g,h,i)perylene	40.4507	5.0	0.80	66.6667	ND	60.7	35 - 162			
Benzo(k)fluoranthene	73.8920	5.0	0.70	66.6667	ND	111	18 - 153			
Chrysene	67.5893	5.0	0.61	66.6667	ND	101	25 - 160			
Dibenz(a,h)anthracene	47.5293	5.0	0.88	66.6667	ND	71.3	41 - 155			
Fluoranthene	60.3413	5.0	0.45	66.6667	0.693333	89.5	5 - 185			
Fluorene	44.2053	5.0	0.35	66.6667	1.19733	64.5	28 - 135			
Indeno(1,2,3-cd)pyrene	45.4100	5.0	0.82	66.6667	ND	68.1	36 - 162			
Naphthalene	37.4000	5.0	0.56	66.6667	1.51467	53.8	41 - 113			
Phenanthrene	49.7253	5.0	0.34	66.6667	1.27933	72.7	35 - 143			
Pyrene	60.1367	5.0	0.51	66.6667	ND	90.2	10 - 184			
Surrogate: 1,2-Dichlorobenzene-d4	*39.29*			*66.6667*		*58.9*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*49.03*			*66.6667*		*73.5*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*37.54*			*66.6667*		*56.3*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*69.18*			*66.6667*		*104*	*16 - 152*			
Matrix Spike Dup (B2C1309-MSD1)			**Source: 2200407-18**			Prepared: 3/22/2022 Analyzed: 3/23/2022				
2-Methylnaphthalene	37.9460	5.0	0.60	66.6667	1.56000	54.6	43 - 120	1.71	20	
Acenaphthene	43.2967	5.0	0.41	66.6667	1.95733	62.0	52 - 113	0.576	20	
Acenaphthylene	44.9573	5.0	0.41	66.6667	1.46333	65.2	44 - 126	0.385	20	
Anthracene	49.4680	5.0	0.56	66.6667	ND	74.2	49 - 128	0.982	20	
Benzo(a)anthracene	66.4787	5.0	0.56	66.6667	ND	99.7	32 - 158	2.71	20	
Benzo(a)pyrene	66.9093	5.0	0.69	66.6667	ND	100	39 - 137	2.31	20	
Benzo(b)fluoranthene	73.4760	5.0	2.2	66.6667	ND	110	52 - 132	2.37	20	
Benzo(g,h,i)perylene	39.6160	5.0	0.80	66.6667	ND	59.4	35 - 162	2.08	20	
Benzo(k)fluoranthene	74.1287	5.0	0.70	66.6667	ND	111	18 - 153	0.320	20	
Chrysene	66.4760	5.0	0.61	66.6667	ND	99.7	25 - 160	1.66	20	
Dibenz(a,h)anthracene	46.6153	5.0	0.88	66.6667	ND	69.9	41 - 155	1.94	20	
Fluoranthene	59.7280	5.0	0.45	66.6667	0.693333	88.6	5 - 185	1.02	20	
Fluorene	44.8820	5.0	0.35	66.6667	1.19733	65.5	28 - 135	1.52	20	
Indeno(1,2,3-cd)pyrene	44.5407	5.0	0.82	66.6667	ND	66.8	36 - 162	1.93	20	
Naphthalene	38.0700	5.0	0.56	66.6667	1.51467	54.8	41 - 113	1.78	20	
Phenanthrene	50.3793	5.0	0.34	66.6667	1.27933	73.6	35 - 143	1.31	20	
Pyrene	60.0547	5.0	0.51	66.6667	ND	90.1	10 - 184	0.136	20	

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GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1309 - MSSEMI_S (continued)									
Matrix Spike Dup (B2C1309-MSD1) - Continued			**Source: 2200407-18**		Prepared: 3/22/2022 Analyzed: 3/23/2022				
Surrogate: 1,2-Dichlorobenzene-d4	*39.32*		*66.6667*		*59.0*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*48.81*		*66.6667*		*73.2*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*37.53*		*66.6667*		*56.3*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*66.83*		*66.6667*		*100*	*16 - 152*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1385 - GCVOA_S										
Blank (B2C1385-BLK1)						Prepared: 3/25/2022 Analyzed: 3/25/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.7477*			*0.800000*		*93.5*	*47.6 - 121.18*			
LCS (B2C1385-BS1)						Prepared: 3/25/2022 Analyzed: 3/25/2022				
Gasoline Range Organics	3.94900	1.0	0.13	5.00000		79.0	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7555*			*0.800000*		*94.4*	*47.6 - 121.18*			
LCS Dup (B2C1385-BSD1)						Prepared: 3/25/2022 Analyzed: 3/25/2022				
Gasoline Range Organics	4.35900	1.0	0.13	5.00000		87.2	68.69 - 124.04	9.87	20	
Surrogate: 4-Bromofluorobenzene	*0.7998*			*0.800000*		*100*	*47.6 - 121.18*			

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1398 - GCVOA_S										
Blank (B2C1398-BLK1)						Prepared: 3/27/2022 Analyzed: 3/27/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.7726*			*0.800000*		*96.6*	*47.6 - 121.18*			
LCS (B2C1398-BS1)						Prepared: 3/27/2022 Analyzed: 3/27/2022				
Gasoline Range Organics	5.27400	1.0	0.13	5.00000		105	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.8263*			*0.800000*		*103*	*47.6 - 121.18*			
LCS Dup (B2C1398-BSD1)						Prepared: 3/27/2022 Analyzed: 3/27/2022				
Gasoline Range Organics	5.25800	1.0	0.13	5.00000		105	68.69 - 124.04	0.304	20	
Surrogate: 4-Bromofluorobenzene	*0.8168*			*0.800000*		*102*	*47.6 - 121.18*			
Matrix Spike (B2C1398-MS1)			**Source: 2200416-01**			Prepared: 3/27/2022 Analyzed: 3/27/2022				
Gasoline Range Organics	5.28200	1.0	0.13	5.00000	ND	106	37.92 - 128.32			
Surrogate: 4-Bromofluorobenzene	*0.8644*			*0.800000*		*108*	*47.6 - 121.18*			
Matrix Spike Dup (B2C1398-MSD1)			**Source: 2200416-01**			Prepared: 3/27/2022 Analyzed: 3/27/2022				
Gasoline Range Organics	5.81000	1.0	0.13	5.00000	ND	116	37.92 - 128.32	9.52	20	
Surrogate: 4-Bromofluorobenzene	*0.8326*			*0.800000*		*104*	*47.6 - 121.18*			

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1321 - EPA 3050B_S										
Blank (B2C1321-BLK1)						Prepared: 3/22/2022 Analyzed: 3/23/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1321-BS1)						Prepared: 3/22/2022 Analyzed: 3/24/2022				
Antimony	23.7259	2.0	0.51	25.0000		94.9	80 - 120			
Arsenic	24.2580	1.0	0.12	25.0000		97.0	80 - 120			
Barium	24.6779	1.0	0.12	25.0000		98.7	80 - 120			
Beryllium	25.1717	1.0	0.03	25.0100		101	80 - 120			
Cadmium	25.3888	1.0	0.14	25.0000		102	80 - 120			
Chromium	25.2131	1.0	0.26	25.0000		101	80 - 120			
Cobalt	24.1056	1.0	0.07	25.0000		96.4	80 - 120			
Copper	24.7074	2.0	0.19	25.0000		98.8	80 - 120			
Lead	26.7073	1.0	0.18	25.0000		107	80 - 120			
Molybdenum	24.6384	1.0	0.12	25.0000		98.6	80 - 120			
Nickel	24.9117	1.0	0.18	25.0000		99.6	80 - 120			
Selenium	25.2872	1.0	0.40	25.0000		101	80 - 120			
Silver	12.6216	1.0	0.12	12.5000		101	80 - 120			
Thallium	24.6714	1.0	0.38	25.0000		98.7	80 - 120			
Vanadium	23.7863	1.0	0.06	25.0000		95.1	80 - 120			
Zinc	27.9268	1.0	0.15	25.0000		112	80 - 120			
Matrix Spike (B2C1321-MS1)			**Source: 2200405-01**			Prepared: 3/22/2022 Analyzed: 3/24/2022				
Antimony	33.1850	2.0	0.51	25.0000	7.01081	105	0 - 102			M2
Arsenic	34.0674	1.0	0.12	25.0000	8.49898	102	55 - 117			
Barium	591.892	1.0	0.12	25.0000	427.900	656	11 - 177			M2
Beryllium	21.8795	1.0	0.03	25.0100	0.577295	85.2	64 - 115			
Cadmium	30.1610	1.0	0.14	25.0000	6.15506	96.0	62 - 116			
Chromium	140.877	1.0	0.26	25.0000	98.1146	171	42 - 145			M2
Cobalt	32.1165	1.0	0.07	25.0000	6.48442	103	60 - 126			
Copper	740.202	2.0	0.19	25.0000	594.522	583	37 - 163			M2
Lead	693.024	1.0	0.18	25.0000	619.534	294	26 - 161			M2

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1321 - EPA 3050B_S (continued)										
Matrix Spike (B2C1321-MS1) - Continued			**Source: 2200405-01**			Prepared: 3/22/2022 Analyzed: 3/24/2022				
Molybdenum	26.9933	1.0	0.12	25.0000	4.03200	91.8	31 - 122			
Nickel	71.1685	1.0	0.18	25.0000	45.4048	103	52 - 130			
Selenium	29.3959	1.0	0.40	25.0000	2.25083	109	25 - 129			
Silver	16.0727	1.0	0.12	12.5000	2.69031	107	48 - 133			
Thallium	21.1543	1.0	0.38	25.0000	ND	84.6	25 - 119			
Vanadium	38.6476	1.0	0.06	25.0000	11.9796	107	51 - 141			
Zinc	1352.49	1.0	0.15	25.0000	1112.56	960	8 - 170			M2
Matrix Spike Dup (B2C1321-MSD1)			**Source: 2200405-01**			Prepared: 3/22/2022 Analyzed: 3/24/2022				
Antimony	32.5606	2.0	0.51	25.0000	7.01081	102	0 - 102	1.90	20	
Arsenic	33.4609	1.0	0.12	25.0000	8.49898	99.8	55 - 117	1.80	20	
Barium	561.978	1.0	0.12	25.0000	427.900	536	11 - 177	5.18	20	M2
Beryllium	22.2229	1.0	0.03	25.0100	0.577295	86.5	64 - 115	1.56	20	
Cadmium	30.5505	1.0	0.14	25.0000	6.15506	97.6	62 - 116	1.28	20	
Chromium	140.818	1.0	0.26	25.0000	98.1146	171	42 - 145	0.0417	20	M2
Cobalt	31.7504	1.0	0.07	25.0000	6.48442	101	60 - 126	1.15	20	
Copper	712.028	2.0	0.19	25.0000	594.522	470	37 - 163	3.88	20	M2
Lead	687.432	1.0	0.18	25.0000	619.534	272	26 - 161	0.810	20	M2
Molybdenum	27.0750	1.0	0.12	25.0000	4.03200	92.2	31 - 122	0.302	20	
Nickel	73.7160	1.0	0.18	25.0000	45.4048	113	52 - 130	3.52	20	
Selenium	29.0494	1.0	0.40	25.0000	2.25083	107	25 - 129	1.19	20	
Silver	15.7537	1.0	0.12	12.5000	2.69031	105	48 - 133	2.00	20	
Thallium	20.9941	1.0	0.38	25.0000	ND	84.0	25 - 119	0.760	20	
Vanadium	38.9398	1.0	0.06	25.0000	11.9796	108	51 - 141	0.753	20	
Zinc	1340.01	1.0	0.15	25.0000	1112.56	910	8 - 170	0.927	20	M2

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1317 - EPA 7471_S										
Blank (B2C1317-BLK1)						Prepared: 3/22/2022 Analyzed: 3/23/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1317-BS1)						Prepared: 3/22/2022 Analyzed: 3/23/2022				
Mercury	0.419701	0.10	0.01	0.416667		101	80 - 120			
Matrix Spike (B2C1317-MS1)			**Source: 2200400-03**			Prepared: 3/22/2022 Analyzed: 3/23/2022				
Mercury	0.462872	0.10	0.01	0.416667	0.054795	97.9	70 - 130			
Matrix Spike Dup (B2C1317-MSD1)			**Source: 2200400-03**			Prepared: 3/22/2022 Analyzed: 3/23/2022				
Mercury	0.462408	0.10	0.01	0.416667	0.054795	97.8	70 - 130	0.100	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1317 - EPA 7471_S									
Post Spike (B2C1317-PS1)			**Source: 2200400-03**		Prepared: 3/22/2022 Analyzed: 3/23/2022				
Mercury	0.005420		5.00000E-3	0.000658	95.2	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1311 - GCSEMI_DRO_S										
Blank (B2C1311-BLK1)						Prepared: 3/22/2022 Analyzed: 3/24/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*80.58*			*80.0000*		*101*	*62 - 141*			
Blank (B2C1311-BLK2)						Prepared: 3/22/2022 Analyzed: 3/28/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*81.20*			*80.0000*		*101*	*62 - 141*			
LCS (B2C1311-BS1)						Prepared: 3/22/2022 Analyzed: 3/24/2022				
DRO	973.371	10	3.6	1000.00		97.3	56 - 139			
Surrogate: p-Terphenyl	*82.26*			*80.0000*		*103*	*62 - 141*			
LCS (B2C1311-BS2)						Prepared: 3/22/2022 Analyzed: 3/28/2022				
DRO	991.910	10	3.6	1000.00		99.2	56 - 139			
Surrogate: p-Terphenyl	*82.60*			*80.0000*		*103*	*62 - 141*			
Matrix Spike (B2C1311-MS1)			**Source: 2200407-02**			Prepared: 3/22/2022 Analyzed: 3/24/2022				
DRO	949.550	10	3.6	1000.00	15.2290	93.4	38 - 161			
Surrogate: p-Terphenyl	*80.40*			*80.0000*		*100*	*62 - 141*			
Matrix Spike Dup (B2C1311-MSD1)			**Source: 2200407-02**			Prepared: 3/22/2022 Analyzed: 3/24/2022				
DRO	950.311	10	3.6	1000.00	15.2290	93.5	38 - 161	0.0801	20	
Surrogate: p-Terphenyl	*80.53*			*80.0000*		*101*	*62 - 141*			

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1278 - MSVOA_S										
Blank (B2C1278-BLK1)							Prepared: 3/21/2022 Analyzed: 3/21/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1278 - MSVOA_S (continued)										
Blank (B2C1278-BLK1) - Continued						Prepared: 3/21/2022 Analyzed: 3/21/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*60.20*			*50.0000*		*120*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*43.97*			*50.0000*		*87.9*	*50 - 146*			
Surrogate: Dibromofluoromethane	*59.01*			*50.0000*		*118*	*77 - 159*			
Surrogate: Toluene-d8	*48.35*			*50.0000*		*96.7*	*81 - 128*			
LCS (B2C1278-BS1)						Prepared: 3/21/2022 Analyzed: 3/21/2022				
1,1,1,2-Tetrachloroethane	49.0500	5.0	0.52	50.0000		98.1	84 - 123			
1,1,1-Trichloroethane	55.7000	5.0	0.26	50.0000		111	78 - 133			
1,1,2,2-Tetrachloroethane	44.0800	5.0	0.21	50.0000		88.2	63 - 127			
1,1,2-Trichloroethane	50.8300	5.0	0.40	50.0000		102	80 - 125			
1,1-Dichloroethane	54.1900	5.0	1.4	50.0000		108	77 - 128			
1,1-Dichloroethene	56.4900	5.0	1.9	50.0000		113	69 - 138			
1,1-Dichloropropene	50.2300	5.0	0.54	50.0000		100	80 - 133			
1,2,3-Trichloropropane	47.6000	5.0	0.40	50.0000		95.2	74 - 123			
1,2,3-Trichlorobenzene	47.3600	5.0	0.83	50.0000		94.7	79 - 133			
1,2,4-Trichlorobenzene	46.4900	5.0	0.80	50.0000		93.0	73 - 131			
1,2,4-Trimethylbenzene	47.6300	5.0	0.91	50.0000		95.3	86 - 137			
1,2-Dibromo-3-chloropropane	50.4500	10	1.1	50.0000		101	62 - 127			
1,2-Dibromoethane	47.9900	5.0	0.40	50.0000		96.0	83 - 126			
1,2-Dichlorobenzene	46.9000	5.0	0.21	50.0000		93.8	83 - 123			
1,2-Dichloroethane	56.3200	5.0	0.50	50.0000		113	76 - 128			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1278 - MSVOA_S (continued)										
LCS (B2C1278-BS1) - Continued						Prepared: 3/21/2022 Analyzed: 3/21/2022				
1,2-Dichloropropane	49.5900	5.0	0.46	50.0000		99.2	77 - 121			
1,3,5-Trimethylbenzene	46.3300	5.0	0.70	50.0000		92.7	84 - 135			
1,3-Dichlorobenzene	46.1600	5.0	0.36	50.0000		92.3	81 - 126			
1,3-Dichloropropane	48.1300	5.0	0.49	50.0000		96.3	80 - 118			
1,4-Dichlorobenzene	48.5000	5.0	0.27	50.0000		97.0	80 - 124			
2,2-Dichloropropane	54.8400	5.0	0.28	50.0000		110	72 - 135			
2-Chlorotoluene	48.9700	5.0	0.53	50.0000		97.9	81 - 127			
4-Chlorotoluene	47.9100	5.0	0.40	50.0000		95.8	83 - 127			
4-Isopropyltoluene	46.5000	5.0	0.81	50.0000		93.0	82 - 143			
Benzene	51.9700	5.0	0.36	50.0000		104	84 - 123			
Bromobenzene	48.7400	5.0	0.62	50.0000		97.5	80 - 122			
Bromochloromethane	53.2800	5.0	0.30	50.0000		107	83 - 127			
Bromodichloromethane	54.7200	5.0	0.52	50.0000		109	82 - 123			
Bromoform	47.1200	5.0	1.4	50.0000		94.2	80 - 132			
Bromomethane	94.9500	5.0	2.5	50.0000		190	67 - 176			L4
Carbon disulfide	57.1800	5.0	0.94	50.0000		114	75 - 138			
Carbon tetrachloride	53.2700	5.0	0.73	50.0000		107	76 - 131			
Chlorobenzene	46.4600	5.0	0.42	50.0000		92.9	84 - 119			
Chloroethane	58.9600	5.0	1.5	50.0000		118	56 - 170			
Chloroform	55.1200	5.0	0.24	50.0000		110	78 - 129			
Chloromethane	50.5300	5.0	1.1	50.0000		101	63 - 141			
cis-1,2-Dichloroethene	40.5700	5.0	0.20	50.0000		81.1	83 - 125			L3
cis-1,3-Dichloropropene	45.7000	5.0	0.39	50.0000		91.4	76 - 129			
Di-isopropyl ether	49.4900	5.0	1.9	50.0000		99.0	73 - 132			
Dibromochloromethane	44.5000	5.0	0.81	50.0000		89.0	81 - 120			
Dibromomethane	49.7600	5.0	0.23	50.0000		99.5	79 - 124			
Dichlorodifluoromethane	44.9700	5.0	0.14	50.0000		89.9	18 - 199			
Ethyl Acetate	25.6600	50	7.0	500.000		5.13	76 - 138			MO
Ethyl Ether	640.560	50	17	500.000		128	74 - 128			L3
Ethyl tert-butyl ether	48.7600	5.0	0.85	50.0000		97.5	50 - 175			
Ethylbenzene	46.4200	5.0	0.43	50.0000		92.8	86 - 130			
Freon-113	60.9300	5.0	1.3	50.0000		122	66 - 132			
Hexachlorobutadiene	49.3800	5.0	0.40	50.0000		98.8	64 - 135			
Isopropylbenzene	47.9900	5.0	0.79	50.0000		96.0	80 - 133			
m,p-Xylene	94.8700	10	0.98	100.000		94.9	89 - 133			
Methylene chloride	54.5300	5.0	2.2	50.0000		109	72 - 143			
MTBE	46.7600	5.0	0.81	50.0000		93.5	73 - 136			
n-Butylbenzene	48.3900	5.0	1.2	50.0000		96.8	76 - 144			
n-Propylbenzene	47.1500	5.0	0.78	50.0000		94.3	81 - 136			
Naphthalene	42.3000	5.0	1.1	50.0000		84.6	64 - 128			
o-Xylene	46.3300	5.0	0.67	50.0000		92.7	82 - 134			
sec-Butylbenzene	47.5400	5.0	0.63	50.0000		95.1	81 - 138			
Styrene	46.5600	5.0	0.45	50.0000		93.1	79 - 152			
tert-Amyl methyl ether	48.9700	5.0	1.1	50.0000		97.9	48 - 166			
tert-Butanol	181.980	100	11	250.000		72.8	48 - 148			

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19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1278 - MSVOA_S (continued)										
LCS (B2C1278-BS1) - Continued						Prepared: 3/21/2022 Analyzed: 3/21/2022				
tert-Butylbenzene	46.6900	5.0	0.80	50.0000		93.4	81 - 135			
Tetrachloroethene	47.0700	5.0	0.31	50.0000		94.1	75 - 127			
Toluene	50.7800	5.0	0.27	50.0000		102	88 - 130			
trans-1,2-Dichloroethene	70.9600	5.0	0.56	50.0000		142	79 - 127			L5
trans-1,3-Dichloropropene	48.8800	5.0	0.59	50.0000		97.8	80 - 130			
Trichloroethene	51.4600	5.0	0.32	50.0000		103	83 - 126			
Trichlorofluoromethane	63.9700	5.0	1.0	50.0000		128	62 - 143			
Vinyl acetate	33.6000	50	6.0	500.000		6.72	69 - 150			MO
Vinyl chloride	61.0100	5.0	0.92	50.0000		122	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*55.43*			*50.0000*		*111*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*46.57*			*50.0000*		*93.1*	*50 - 146*			
Surrogate: Dibromofluoromethane	*55.29*			*50.0000*		*111*	*77 - 159*			
Surrogate: Toluene-d8	*49.40*			*50.0000*		*98.8*	*81 - 128*			
LCS Dup (B2C1278-BSD1)						Prepared: 3/21/2022 Analyzed: 3/21/2022				
1,1,1,2-Tetrachloroethane	44.3100	5.0	0.52	50.0000		88.6	84 - 123	10.2	20	
1,1,1-Trichloroethane	52.0700	5.0	0.26	50.0000		104	78 - 133	6.74	20	
1,1,2,2-Tetrachloroethane	43.0200	5.0	0.21	50.0000		86.0	63 - 127	2.43	20	
1,1,2-Trichloroethane	50.5300	5.0	0.40	50.0000		101	80 - 125	0.592	20	
1,1-Dichloroethane	49.8100	5.0	1.4	50.0000		99.6	77 - 128	8.42	20	
1,1-Dichloroethene	50.5900	5.0	1.9	50.0000		101	69 - 138	11.0	20	
1,1-Dichloropropene	49.6900	5.0	0.54	50.0000		99.4	80 - 133	1.08	20	
1,2,3-Trichloropropane	47.7200	5.0	0.40	50.0000		95.4	74 - 123	0.252	20	
1,2,3-Trichlorobenzene	45.2900	5.0	0.83	50.0000		90.6	79 - 133	4.47	20	
1,2,4-Trichlorobenzene	43.6100	5.0	0.80	50.0000		87.2	73 - 131	6.39	20	
1,2,4-Trimethylbenzene	45.6700	5.0	0.91	50.0000		91.3	86 - 137	4.20	20	
1,2-Dibromo-3-chloropropane	47.0600	10	1.1	50.0000		94.1	62 - 127	6.95	20	
1,2-Dibromoethane	50.8900	5.0	0.40	50.0000		102	83 - 126	5.87	20	
1,2-Dichlorobenzene	44.6700	5.0	0.21	50.0000		89.3	83 - 123	4.87	20	
1,2-Dichloroethane	52.8600	5.0	0.50	50.0000		106	76 - 128	6.34	20	
1,2-Dichloropropane	48.1400	5.0	0.46	50.0000		96.3	77 - 121	2.97	20	
1,3,5-Trimethylbenzene	45.5600	5.0	0.70	50.0000		91.1	84 - 135	1.68	20	
1,3-Dichlorobenzene	46.6600	5.0	0.36	50.0000		93.3	81 - 126	1.08	20	
1,3-Dichloropropane	45.7700	5.0	0.49	50.0000		91.5	80 - 118	5.03	20	
1,4-Dichlorobenzene	44.7300	5.0	0.27	50.0000		89.5	80 - 124	8.09	20	
2,2-Dichloropropane	51.6000	5.0	0.28	50.0000		103	72 - 135	6.09	20	
2-Chlorotoluene	46.5900	5.0	0.53	50.0000		93.2	81 - 127	4.98	20	
4-Chlorotoluene	48.0500	5.0	0.40	50.0000		96.1	83 - 127	0.292	20	
4-Isopropyltoluene	46.0900	5.0	0.81	50.0000		92.2	82 - 143	0.886	20	
Benzene	50.9400	5.0	0.36	50.0000		102	84 - 123	2.00	20	
Bromobenzene	46.6300	5.0	0.62	50.0000		93.3	80 - 122	4.42	20	
Bromochloromethane	49.2800	5.0	0.30	50.0000		98.6	83 - 127	7.80	20	
Bromodichloromethane	55.7800	5.0	0.52	50.0000		112	82 - 123	1.92	20	
Bromoform	45.5900	5.0	1.4	50.0000		91.2	80 - 132	3.30	20	
Bromomethane	76.5000	5.0	2.5	50.0000		153	67 - 176	21.5	20	R

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1278 - MSVOA_S (continued)										
LCS Dup (B2C1278-BSD1) - Continued					Prepared: 3/21/2022 Analyzed: 3/21/2022					
Carbon disulfide	47.5000	5.0	0.94	50.0000		95.0	75 - 138	18.5	20	
Carbon tetrachloride	52.6300	5.0	0.73	50.0000		105	76 - 131	1.21	20	
Chlorobenzene	44.6900	5.0	0.42	50.0000		89.4	84 - 119	3.88	20	
Chloroethane	57.2800	5.0	1.5	50.0000		115	56 - 170	2.89	20	
Chloroform	53.0000	5.0	0.24	50.0000		106	78 - 129	3.92	20	
Chloromethane	45.8900	5.0	1.1	50.0000		91.8	63 - 141	9.62	20	
cis-1,2-Dichloroethene	36.5300	5.0	0.20	50.0000		73.1	83 - 125	10.5	20	L3
cis-1,3-Dichloropropene	42.5300	5.0	0.39	50.0000		85.1	76 - 129	7.19	20	
Di-isopropyl ether	47.5400	5.0	1.9	50.0000		95.1	73 - 132	4.02	20	
Dibromochloromethane	44.5500	5.0	0.81	50.0000		89.1	81 - 120	0.112	20	
Dibromomethane	47.9500	5.0	0.23	50.0000		95.9	79 - 124	3.70	20	
Dichlorodifluoromethane	40.2500	5.0	0.14	50.0000		80.5	18 - 199	11.1	20	
Ethyl Acetate	22.7600	50	7.0	500.000		4.55	76 - 138	12.0	20	MO
Ethyl Ether	569.490	50	17	500.000		114	74 - 128	11.7	20	
Ethyl tert-butyl ether	45.0700	5.0	0.85	50.0000		90.1	50 - 175	7.87	20	
Ethylbenzene	45.4600	5.0	0.43	50.0000		90.9	86 - 130	2.09	20	
Freon-113	54.0500	5.0	1.3	50.0000		108	66 - 132	12.0	20	
Hexachlorobutadiene	46.3700	5.0	0.40	50.0000		92.7	64 - 135	6.29	20	
Isopropylbenzene	47.6800	5.0	0.79	50.0000		95.4	80 - 133	0.648	20	
m,p-Xylene	90.2300	10	0.98	100.000		90.2	89 - 133	5.01	20	
Methylene chloride	49.4300	5.0	2.2	50.0000		98.9	72 - 143	9.81	20	
MTBE	44.6400	5.0	0.81	50.0000		89.3	73 - 136	4.64	20	
n-Butylbenzene	46.3500	5.0	1.2	50.0000		92.7	76 - 144	4.31	20	
n-Propylbenzene	46.2600	5.0	0.78	50.0000		92.5	81 - 136	1.91	20	
Naphthalene	42.4800	5.0	1.1	50.0000		85.0	64 - 128	0.425	20	
o-Xylene	45.1700	5.0	0.67	50.0000		90.3	82 - 134	2.54	20	
sec-Butylbenzene	46.6200	5.0	0.63	50.0000		93.2	81 - 138	1.95	20	
Styrene	44.8700	5.0	0.45	50.0000		89.7	79 - 152	3.70	20	
tert-Amyl methyl ether	46.7400	5.0	1.1	50.0000		93.5	48 - 166	4.66	20	
tert-Butanol	171.620	100	11	250.000		68.6	48 - 148	5.86	20	
tert-Butylbenzene	45.4700	5.0	0.80	50.0000		90.9	81 - 135	2.65	20	
Tetrachloroethene	44.2100	5.0	0.31	50.0000		88.4	75 - 127	6.27	20	
Toluene	48.6800	5.0	0.27	50.0000		97.4	88 - 130	4.22	20	
trans-1,2-Dichloroethene	67.1700	5.0	0.56	50.0000		134	79 - 127	5.49	20	L4
trans-1,3-Dichloropropene	49.1400	5.0	0.59	50.0000		98.3	80 - 130	0.531	20	
Trichloroethene	49.2400	5.0	0.32	50.0000		98.5	83 - 126	4.41	20	
Trichlorofluoromethane	58.7700	5.0	1.0	50.0000		118	62 - 143	8.47	20	
Vinyl acetate	32.8100	50	6.0	500.000		6.56	69 - 150	2.38	20	MO
Vinyl chloride	55.6900	5.0	0.92	50.0000		111	69 - 140	9.12	20	
Surrogate: 1,2-Dichloroethane-d4	*52.53*			*50.0000*		*105*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*47.92*			*50.0000*		*95.8*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.56*			*50.0000*		*107*	*77 - 159*			
Surrogate: Toluene-d8	*49.97*			*50.0000*		*99.9*	*81 - 128*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1304 - MSVOA_S										
Blank (B2C1304-BLK1)							Prepared: 3/22/2022 Analyzed: 3/22/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1304 - MSVOA_S (continued)										
Blank (B2C1304-BLK1) - Continued						Prepared: 3/22/2022 Analyzed: 3/22/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*74.54*			*50.0000*		*149*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.10*			*50.0000*		*100*	*50 - 146*			
Surrogate: Dibromofluoromethane	*54.31*			*50.0000*		*109*	*77 - 159*			
Surrogate: Toluene-d8	*54.99*			*50.0000*		*110*	*81 - 128*			
LCS (B2C1304-BS1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
1,1,1,2-Tetrachloroethane	46.5700	5.0	0.52	50.0000		93.1	84 - 123			
1,1,1-Trichloroethane	60.7500	5.0	0.26	50.0000		122	78 - 133			
1,1,2,2-Tetrachloroethane	41.6200	5.0	0.21	50.0000		83.2	63 - 127			
1,1,2-Trichloroethane	43.2300	5.0	0.40	50.0000		86.5	80 - 125			
1,1-Dichloroethane	45.4600	5.0	1.4	50.0000		90.9	77 - 128			
1,1-Dichloroethene	44.0600	5.0	1.9	50.0000		88.1	69 - 138			
1,1-Dichloropropene	45.4600	5.0	0.54	50.0000		90.9	80 - 133			
1,2,3-Trichloropropane	43.4500	5.0	0.40	50.0000		86.9	74 - 123			
1,2,3-Trichlorobenzene	44.4100	5.0	0.83	50.0000		88.8	79 - 133			
1,2,4-Trichlorobenzene	43.8700	5.0	0.80	50.0000		87.7	73 - 131			
1,2,4-Trimethylbenzene	45.4800	5.0	0.91	50.0000		91.0	86 - 137			
1,2-Dibromo-3-chloropropane	52.8300	10	1.1	50.0000		106	62 - 127			
1,2-Dibromoethane	44.5000	5.0	0.40	50.0000		89.0	83 - 126			
1,2-Dichlorobenzene	43.0500	5.0	0.21	50.0000		86.1	83 - 123			
1,2-Dichloroethane	64.4100	5.0	0.50	50.0000		129	76 - 128			L3

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1304 - MSVOA_S (continued)										
LCS (B2C1304-BS1) - Continued						Prepared: 3/22/2022 Analyzed: 3/22/2022				
1,2-Dichloropropane	40.5300	5.0	0.46	50.0000		81.1	77 - 121			
1,3,5-Trimethylbenzene	45.1100	5.0	0.70	50.0000		90.2	84 - 135			
1,3-Dichlorobenzene	41.7500	5.0	0.36	50.0000		83.5	81 - 126			
1,3-Dichloropropane	44.3400	5.0	0.49	50.0000		88.7	80 - 118			
1,4-Dichlorobenzene	42.7800	5.0	0.27	50.0000		85.6	80 - 124			
2,2-Dichloropropane	56.3300	5.0	0.28	50.0000		113	72 - 135			
2-Chlorotoluene	48.2800	5.0	0.53	50.0000		96.6	81 - 127			
4-Chlorotoluene	50.5500	5.0	0.40	50.0000		101	83 - 127			
4-Isopropyltoluene	46.9700	5.0	0.81	50.0000		93.9	82 - 143			
Benzene	46.1000	5.0	0.36	50.0000		92.2	84 - 123			
Bromobenzene	44.6400	5.0	0.62	50.0000		89.3	80 - 122			
Bromochloromethane	42.5800	5.0	0.30	50.0000		85.2	83 - 127			
Bromodichloromethane	56.3800	5.0	0.52	50.0000		113	82 - 123			
Bromoform	50.6600	5.0	1.4	50.0000		101	80 - 132			
Bromomethane	55.4700	5.0	2.5	50.0000		111	67 - 176			
Carbon disulfide	38.6600	5.0	0.94	50.0000		77.3	75 - 138			
Carbon tetrachloride	64.9900	5.0	0.73	50.0000		130	76 - 131			
Chlorobenzene	43.4300	5.0	0.42	50.0000		86.9	84 - 119			
Chloroethane	47.4000	5.0	1.5	50.0000		94.8	56 - 170			
Chloroform	50.8500	5.0	0.24	50.0000		102	78 - 129			
Chloromethane	35.8900	5.0	1.1	50.0000		71.8	63 - 141			
cis-1,2-Dichloroethene	62.3200	5.0	0.20	50.0000		125	83 - 125			
cis-1,3-Dichloropropene	44.0400	5.0	0.39	50.0000		88.1	76 - 129			
Di-isopropyl ether	40.2300	5.0	1.9	50.0000		80.5	73 - 132			
Dibromochloromethane	49.4200	5.0	0.81	50.0000		98.8	81 - 120			
Dibromomethane	50.1400	5.0	0.23	50.0000		100	79 - 124			
Dichlorodifluoromethane	44.2200	5.0	0.14	50.0000		88.4	18 - 199			
Ethyl Acetate	27.0800	50	7.0	500.000		5.42	76 - 138			MO
Ethyl Ether	494.320	50	17	500.000		98.9	74 - 128			
Ethyl tert-butyl ether	43.8000	5.0	0.85	50.0000		87.6	50 - 175			
Ethylbenzene	49.4600	5.0	0.43	50.0000		98.9	86 - 130			
Freon-113	45.2600	5.0	1.3	50.0000		90.5	66 - 132			
Hexachlorobutadiene	52.5700	5.0	0.40	50.0000		105	64 - 135			
Isopropylbenzene	45.3000	5.0	0.79	50.0000		90.6	80 - 133			
m,p-Xylene	100.160	10	0.98	100.000		100	89 - 133			
Methylene chloride	42.7100	5.0	2.2	50.0000		85.4	72 - 143			
MTBE	45.2600	5.0	0.81	50.0000		90.5	73 - 136			
n-Butylbenzene	46.9700	5.0	1.2	50.0000		93.9	76 - 144			
n-Propylbenzene	46.5900	5.0	0.78	50.0000		93.2	81 - 136			
Naphthalene	35.8600	5.0	1.1	50.0000		71.7	64 - 128			
o-Xylene	50.2900	5.0	0.67	50.0000		101	82 - 134			
sec-Butylbenzene	45.0600	5.0	0.63	50.0000		90.1	81 - 138			
Styrene	43.1600	5.0	0.45	50.0000		86.3	79 - 152			
tert-Amyl methyl ether	41.5000	5.0	1.1	50.0000		83.0	48 - 166			
tert-Butanol	203.720	100	11	250.000		81.5	48 - 148			

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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1304 - MSVOA_S (continued)										
LCS (B2C1304-BS1) - Continued						Prepared: 3/22/2022 Analyzed: 3/22/2022				
tert-Butylbenzene	45.5800	5.0	0.80	50.0000		91.2	81 - 135			
Tetrachloroethene	47.5800	5.0	0.31	50.0000		95.2	75 - 127			
Toluene	48.1100	5.0	0.27	50.0000		96.2	88 - 130			
trans-1,2-Dichloroethene	34.7700	5.0	0.56	50.0000		69.5	79 - 127			L3
trans-1,3-Dichloropropene	49.8100	5.0	0.59	50.0000		99.6	80 - 130			
Trichloroethene	46.6200	5.0	0.32	50.0000		93.2	83 - 126			
Trichlorofluoromethane	65.5000	5.0	1.0	50.0000		131	62 - 143			
Vinyl acetate	96.0700	50	6.0	500.000		19.2	69 - 150			MO
Vinyl chloride	42.7400	5.0	0.92	50.0000		85.5	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*68.45*			*50.0000*		*137*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*55.54*			*50.0000*		*111*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.60*			*50.0000*		*107*	*77 - 159*			
Surrogate: Toluene-d8	*57.82*			*50.0000*		*116*	*81 - 128*			
LCS Dup (B2C1304-BSD1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
1,1,1,2-Tetrachloroethane	46.4800	5.0	0.52	50.0000		93.0	84 - 123	0.193	20	
1,1,1-Trichloroethane	58.1100	5.0	0.26	50.0000		116	78 - 133	4.44	20	
1,1,2,2-Tetrachloroethane	41.8300	5.0	0.21	50.0000		83.7	63 - 127	0.503	20	
1,1,2-Trichloroethane	42.2400	5.0	0.40	50.0000		84.5	80 - 125	2.32	20	
1,1-Dichloroethane	45.9200	5.0	1.4	50.0000		91.8	77 - 128	1.01	20	
1,1-Dichloroethene	44.5800	5.0	1.9	50.0000		89.2	69 - 138	1.17	20	
1,1-Dichloropropene	42.5600	5.0	0.54	50.0000		85.1	80 - 133	6.59	20	
1,2,3-Trichloropropane	44.6700	5.0	0.40	50.0000		89.3	74 - 123	2.77	20	
1,2,3-Trichlorobenzene	48.0100	5.0	0.83	50.0000		96.0	79 - 133	7.79	20	
1,2,4-Trichlorobenzene	47.5400	5.0	0.80	50.0000		95.1	73 - 131	8.03	20	
1,2,4-Trimethylbenzene	45.2800	5.0	0.91	50.0000		90.6	86 - 137	0.441	20	
1,2-Dibromo-3-chloropropane	57.0700	10	1.1	50.0000		114	62 - 127	7.72	20	
1,2-Dibromoethane	42.5300	5.0	0.40	50.0000		85.1	83 - 126	4.53	20	
1,2-Dichlorobenzene	45.0200	5.0	0.21	50.0000		90.0	83 - 123	4.47	20	
1,2-Dichloroethane	62.0700	5.0	0.50	50.0000		124	76 - 128	3.70	20	
1,2-Dichloropropane	41.4700	5.0	0.46	50.0000		82.9	77 - 121	2.29	20	
1,3,5-Trimethylbenzene	46.8300	5.0	0.70	50.0000		93.7	84 - 135	3.74	20	
1,3-Dichlorobenzene	43.3900	5.0	0.36	50.0000		86.8	81 - 126	3.85	20	
1,3-Dichloropropane	43.8700	5.0	0.49	50.0000		87.7	80 - 118	1.07	20	
1,4-Dichlorobenzene	44.5800	5.0	0.27	50.0000		89.2	80 - 124	4.12	20	
2,2-Dichloropropane	54.4700	5.0	0.28	50.0000		109	72 - 135	3.36	20	
2-Chlorotoluene	49.2500	5.0	0.53	50.0000		98.5	81 - 127	1.99	20	
4-Chlorotoluene	51.6700	5.0	0.40	50.0000		103	83 - 127	2.19	20	
4-Isopropyltoluene	47.4800	5.0	0.81	50.0000		95.0	82 - 143	1.08	20	
Benzene	45.0600	5.0	0.36	50.0000		90.1	84 - 123	2.28	20	
Bromobenzene	44.6300	5.0	0.62	50.0000		89.3	80 - 122	0.0224	20	
Bromochloromethane	44.7300	5.0	0.30	50.0000		89.5	83 - 127	4.92	20	
Bromodichloromethane	53.5100	5.0	0.52	50.0000		107	82 - 123	5.22	20	
Bromoform	51.1200	5.0	1.4	50.0000		102	80 - 132	0.904	20	
Bromomethane	54.8300	5.0	2.5	50.0000		110	67 - 176	1.16	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1304 - MSVOA_S (continued)										
LCS Dup (B2C1304-BSD1) - Continued					Prepared: 3/22/2022 Analyzed: 3/22/2022					
Carbon disulfide	38.2300	5.0	0.94	50.0000		76.5	75 - 138	1.12	20	
Carbon tetrachloride	62.2400	5.0	0.73	50.0000		124	76 - 131	4.32	20	
Chlorobenzene	43.5600	5.0	0.42	50.0000		87.1	84 - 119	0.299	20	
Chloroethane	46.4400	5.0	1.5	50.0000		92.9	56 - 170	2.05	20	
Chloroform	51.2100	5.0	0.24	50.0000		102	78 - 129	0.705	20	
Chloromethane	34.8400	5.0	1.1	50.0000		69.7	63 - 141	2.97	20	
cis-1,2-Dichloroethene	60.4300	5.0	0.20	50.0000		121	83 - 125	3.08	20	
cis-1,3-Dichloropropene	42.3700	5.0	0.39	50.0000		84.7	76 - 129	3.87	20	
Di-isopropyl ether	38.7100	5.0	1.9	50.0000		77.4	73 - 132	3.85	20	
Dibromochloromethane	50.6600	5.0	0.81	50.0000		101	81 - 120	2.48	20	
Dibromomethane	48.9500	5.0	0.23	50.0000		97.9	79 - 124	2.40	20	
Dichlorodifluoromethane	44.1700	5.0	0.14	50.0000		88.3	18 - 199	0.113	20	
Ethyl Acetate	18.0600	50	7.0	500.000		3.61	76 - 138	40.0	20	MO, R
Ethyl Ether	491.140	50	17	500.000		98.2	74 - 128	0.645	20	
Ethyl tert-butyl ether	42.3900	5.0	0.85	50.0000		84.8	50 - 175	3.27	20	
Ethylbenzene	47.7100	5.0	0.43	50.0000		95.4	86 - 130	3.60	20	
Freon-113	45.2900	5.0	1.3	50.0000		90.6	66 - 132	0.0663	20	
Hexachlorobutadiene	55.4100	5.0	0.40	50.0000		111	64 - 135	5.26	20	
Isopropylbenzene	44.9100	5.0	0.79	50.0000		89.8	80 - 133	0.865	20	
m,p-Xylene	99.3700	10	0.98	100.000		99.4	89 - 133	0.792	20	
Methylene chloride	41.3300	5.0	2.2	50.0000		82.7	72 - 143	3.28	20	
MTBE	44.6800	5.0	0.81	50.0000		89.4	73 - 136	1.29	20	
n-Butylbenzene	48.1300	5.0	1.2	50.0000		96.3	76 - 144	2.44	20	
n-Propylbenzene	47.0900	5.0	0.78	50.0000		94.2	81 - 136	1.07	20	
Naphthalene	37.9200	5.0	1.1	50.0000		75.8	64 - 128	5.58	20	
o-Xylene	49.8500	5.0	0.67	50.0000		99.7	82 - 134	0.879	20	
sec-Butylbenzene	45.0700	5.0	0.63	50.0000		90.1	81 - 138	0.0222	20	
Styrene	42.6700	5.0	0.45	50.0000		85.3	79 - 152	1.14	20	
tert-Amyl methyl ether	42.0100	5.0	1.1	50.0000		84.0	48 - 166	1.22	20	
tert-Butanol	193.270	100	11	250.000		77.3	48 - 148	5.26	20	
tert-Butylbenzene	46.5400	5.0	0.80	50.0000		93.1	81 - 135	2.08	20	
Tetrachloroethene	47.2300	5.0	0.31	50.0000		94.5	75 - 127	0.738	20	
Toluene	47.0900	5.0	0.27	50.0000		94.2	88 - 130	2.14	20	
trans-1,2-Dichloroethene	35.2700	5.0	0.56	50.0000		70.5	79 - 127	1.43	20	L3
trans-1,3-Dichloropropene	47.0700	5.0	0.59	50.0000		94.1	80 - 130	5.66	20	
Trichloroethene	46.2400	5.0	0.32	50.0000		92.5	83 - 126	0.818	20	
Trichlorofluoromethane	64.4700	5.0	1.0	50.0000		129	62 - 143	1.58	20	
Vinyl acetate	92.4900	50	6.0	500.000		18.5	69 - 150	3.80	20	MO
Vinyl chloride	41.6100	5.0	0.92	50.0000		83.2	69 - 140	2.68	20	
Surrogate: 1,2-Dichloroethane-d4	*65.14*			*50.0000*		*130*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*54.76*			*50.0000*		*110*	*50 - 146*			
Surrogate: Dibromofluoromethane	*50.62*			*50.0000*		*101*	*77 - 159*			
Surrogate: Toluene-d8	*55.12*			*50.0000*		*110*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/17/22

Page 1 of 2

220407

3.2°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) Tiam Navin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	61W-32-10-1	3/17/22	0744	Soil	1	1			X									
2	61W-32-10-5.5	"	0754	"	5	1	4			X	X	X						
3	61W-32-9-1	"	0812	"	1	1			X									
4	61W-32-9-5.5	"	0820	"	5	1	4			X	X	X						
5	61W-32-8-1	"	0841	"	1	1			X									
6	61W-32-8-5.5	"	0848	"	5	1	4			X	X	X						
7	SV-8-1	"	0953	"	1	1			X									
8	SV-8-5.5	"	1015	"	5	1	4			X	X	X						
9	SV-8-14	"	1020	"	5	1	4			X	X	X						
10	SV-5-1	"	1120	"	1	1			X									
11	SV-5-5.5	"	1131	"	5	1	4			X	X	X						
12	SV-5-14	"	1137	"	5	1	4			X	X	X						
13	TB_20220317		1148	Water	4		4											X
14	SV-2-1		1319	Soil	1	1			X									
15	SV-2-5.5		1328	Soil	5	1	4			X	X	X						

Relinquished by: (Signature)		Received by: (Signature)	Date: 3/17/22 Time: 1626
Relinquished by: (Signature)	18:12 3/17/22	Received by: (Signature)	Date: 3/17/22 Time: 18:12
Relinquished by: (Signature)		Received by: (Signature)	Date: Time:

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 3/17/22
Page 2 of 2

2200407

3.2°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) Tam Novin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
16	SV-2-14	3/17/22	1333	Soil	5	1	4			X	X	X						
17	GIW-44-1	↓	1430	↓	1	1			X									
18	GIW-44-5.5	↓	1444	↓	5	1	4			X	X	X		X				

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/17/22	Time: 1626
Relinquished by: (Signature) 18:12 3/17/22	Received by: (Signature)	Date: 3/17/22	Time: 18:12
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

May 12, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

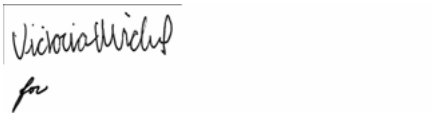
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200413
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 18, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,



Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 05/12/22 15:36 on Behalf of



Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-1-11-1	2200413-01	Soil	3/18/22 8:15	3/18/22 15:10
61W-1-11-6	2200413-02	Soil	3/18/22 8:24	3/18/22 15:10
61W-1-10-1	2200413-03	Soil	3/18/22 8:46	3/18/22 15:10
61W-1-10-6	2200413-04	Soil	3/18/22 8:53	3/18/22 15:10
61W-1-6-1	2200413-05	Soil	3/18/22 9:12	3/18/22 15:10
61W-1-6-6	2200413-06	Soil	3/18/22 9:20	3/18/22 15:10
61W-1-9-1	2200413-07	Soil	3/18/22 9:47	3/18/22 15:10
61W-1-9-5.5	2200413-08	Soil	3/18/22 9:54	3/18/22 15:10
61W-1-9-14	2200413-09	Soil	3/18/22 9:58	3/18/22 15:10
61W-23-3-1	2200413-10	Soil	3/18/22 10:52	3/18/22 15:10
61W-23-3-5.5	2200413-11	Soil	3/18/22 11:01	3/18/22 15:10
61W-23-2-1	2200413-12	Soil	3/18/22 11:25	3/18/22 15:10
61W-23-2-5.5	2200413-13	Soil	3/18/22 11:40	3/18/22 15:10
TB_20220318	2200413-14	Water	3/18/22 11:50	3/18/22 15:10
61W-23-1-1	2200413-15	Soil	3/18/22 12:03	3/18/22 15:10
61W-23-1-5.5	2200413-16	Soil	3/18/22 12:08	3/18/22 15:10
61W-8-1-1	2200413-17	Soil	3/18/22 12:37	3/18/22 15:10
61W-8-1-5.5	2200413-18	Soil	3/18/22 12:43	3/18/22 15:10

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200413-01	61W-1-11-1	**0.10**	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 13:31	
2200413-03	61W-1-10-1	**0.17**	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 13:44	
2200413-05	61W-1-6-1	**0.19**	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 13:47	
2200413-07	61W-1-9-1	**0.20**	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 13:50	
2200413-10	61W-23-3-1	**0.18**	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 13:53	
2200413-12	61W-23-2-1	**0.20**	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 13:56	
2200413-15	61W-23-1-1	**0.19**	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 14:06	
2200413-17	61W-8-1-1	**0.23**	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 14:08	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-11-1

Lab ID: 2200413-01

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Barium	**72**	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Beryllium	**2.1**	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Chromium	**12**	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Cobalt	**4.0**	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Copper	**7.8**	2.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Lead	**3.7**	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Nickel	**5.3**	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Silver	**4.6**	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Vanadium	**25**	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Zinc	**33**	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	

Organochlorine Pesticides by EPA 8081A — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
4,4´-DDE	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
4,4´-DDT [2C]	**2.6**	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Aldrin	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
alpha-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
alpha-Chlordane	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
beta-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Chlordane	ND	8.5	1	B2C1295	03/21/2022	03/23/22 16:48	
delta-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Dieldrin	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Endosulfan I	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Endosulfan II	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Endosulfan sulfate	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Endrin	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Endrin aldehyde	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Endrin ketone	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
gamma-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
gamma-Chlordane	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-11-1

Lab ID: 2200413-01

Organochlorine Pesticides by EPA 8081A **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Heptachlor		ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Heptachlor epoxide		ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Methoxychlor		ND	5.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Toxaphene		ND	50	1	B2C1295	03/21/2022	03/23/22 16:48	
Surrogate: Decachlorobiphenyl	*51.9 %*		*0 - 97*		B2C1295	03/21/2022	*03/23/22 16:48*	
Surrogate: Tetrachloro-m-xylene	*55.5 %*		*3 - 78*		B2C1295	03/21/2022	*03/23/22 16:48*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-11-6

Lab ID: 2200413-02

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Acenaphthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Acenaphthylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Benzo(a)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Benzo(a)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Benzo(b)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Benzo(k)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Chrysene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Fluorene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Naphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Phenanthrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Surrogate: 1,2-Dichlorobenzene-d4	*62.7 %*	*12 - 125*		B2C1309	03/22/2022	*03/23/22 03:27*	
Surrogate: 2-Fluorobiphenyl	*79.6 %*	*14 - 139*		B2C1309	03/22/2022	*03/23/22 03:27*	
Surrogate: Nitrobenzene-d5	*54.7 %*	*8 - 155*		B2C1309	03/22/2022	*03/23/22 03:27*	
Surrogate: 4-Terphenyl-d14	*107 %*	*16 - 152*		B2C1309	03/22/2022	*03/23/22 03:27*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 17:19	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 17:19	
Surrogate: p-Terphenyl	*128 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 17:19*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,1,1-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,1,2-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-11-6

Lab ID: 2200413-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,1-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,1-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2,3-Trichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2-Dibromoethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,3-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,3-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,4-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
2,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
2-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
4-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
4-Isopropyltoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Benzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Bromobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Bromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Bromodichloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Bromoform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Bromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Carbon disulfide	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Carbon tetrachloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Chlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Chloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Chloroform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Chloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Di-isopropyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Dibromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Dibromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Dichlorodifluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Ethyl Acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 17:04	
Ethyl Ether	ND	44	1	B2C1305	03/22/2022	03/22/22 17:04	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-11-6

Lab ID: 2200413-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Ethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Freon-113	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Hexachlorobutadiene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Isopropylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
m,p-Xylene	ND	8.9	1	B2C1305	03/22/2022	03/22/22 17:04	
Methylene chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
MTBE	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
n-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
n-Propylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Naphthalene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
o-Xylene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
sec-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Styrene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
tert-Amyl methyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
tert-Butanol	ND	89	1	B2C1305	03/22/2022	03/22/22 17:04	
tert-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Tetrachloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Toluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Trichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Trichlorofluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Vinyl acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 17:04	
Vinyl chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Surrogate: 1,2-Dichloroethane-d4	*136 %*	*66 - 200*		B2C1305	03/22/2022	*03/22/22 17:04*	
Surrogate: 4-Bromofluorobenzene	*94.7 %*	*50 - 146*		B2C1305	03/22/2022	*03/22/22 17:04*	
Surrogate: Dibromofluoromethane	*121 %*	*77 - 159*		B2C1305	03/22/2022	*03/22/22 17:04*	
Surrogate: Toluene-d8	*93.6 %*	*81 - 128*		B2C1305	03/22/2022	*03/22/22 17:04*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
1,2-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
1,3-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
1,4-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2,4,5-Trichlorophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-11-6

Lab ID: 2200413-02

Semivolatile Organic Compounds by EPA 8270C **Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2,4,6-Trichlorophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2,4-Dichlorophenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
2,4-Dimethylphenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2,4-Dinitrophenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
2,4-Dinitrotoluene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2,6-Dinitrotoluene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2-Chloronaphthalene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2-Chlorophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2-Methylnaphthalene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2-Methylphenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
2-Nitrophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
3,3´-Dichlorobenzidine	ND	660	1	B2C1344	03/23/2022	03/23/22 21:03	
3-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
4,6-Dinitro-2-methyphenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Bromophenyl-phenylether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Chloro-3-methylphenol	ND	660	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Chloroaniline	ND	660	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Chlorophenyl-phenylether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Methylphenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Nitrophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Acenaphthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Acenaphthylene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Anthracene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzidine (M)	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzo(a)anthracene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzo(a)pyrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzo(b)fluoranthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzo(g,h,i)perylene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzo(k)fluoranthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzoic acid	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzyl alcohol	ND	660	1	B2C1344	03/23/2022	03/23/22 21:03	
bis(2-chloroethoxy)methane	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
bis(2-Chloroethyl)ether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
bis(2-chloroisopropyl)ether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Butylbenzylphthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Chrysene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Di-n-butylphthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-11-6

Lab ID: 2200413-02

Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Di-n-octylphthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Dibenz(a,h)anthracene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Dibenzofuran	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Diethyl phthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Dimethyl phthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Fluoranthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Fluorene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Hexachlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Hexachlorobutadiene	ND	660	1	B2C1344	03/23/2022	03/23/22 21:03	
Hexachlorocyclopentadiene	ND	660	1	B2C1344	03/23/2022	03/23/22 21:03	
Hexachloroethane	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Isophorone	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
N-Nitroso-di-n propylamine	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
N-Nitrosodiphenylamine	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Naphthalene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Nitrobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Pentachlorophenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
Phenanthrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Phenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Pyrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Pyridine	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
Surrogate: 1,2-Dichlorobenzene-d4	*53.8 %*	*23 - 102*		B2C1344	03/23/2022	*03/23/22 21:03*	
Surrogate: 2,4,6-Tribromophenol	*59.9 %*	*3 - 138*		B2C1344	03/23/2022	*03/23/22 21:03*	
Surrogate: 2-Chlorophenol-d4	*53.2 %*	*18 - 105*		B2C1344	03/23/2022	*03/23/22 21:03*	
Surrogate: 2-Fluorobiphenyl	*54.8 %*	*34 - 106*		B2C1344	03/23/2022	*03/23/22 21:03*	
Surrogate: 2-Fluorophenol	*49.9 %*	*16 - 94*		B2C1344	03/23/2022	*03/23/22 21:03*	
Surrogate: 4-Terphenyl-d14	*66.3 %*	*31 - 130*		B2C1344	03/23/2022	*03/23/22 21:03*	
Surrogate: Nitrobenzene-d5	*53.5 %*	*23 - 102*		B2C1344	03/23/2022	*03/23/22 21:03*	
Surrogate: Phenol-d6	*51.7 %*	*14 - 104*		B2C1344	03/23/2022	*03/23/22 21:03*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.89	1	B2C1434	03/29/2022	03/29/22 16:32	
Surrogate: 4-Bromofluorobenzene	*92.3 %*	*47.6 - 121.18*		B2C1434	03/29/2022	*03/29/22 16:32*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-10-1
Lab ID: 2200413-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Barium	**80**	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Beryllium	**2.3**	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Chromium	**13**	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Cobalt	**4.3**	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Copper	**8.7**	2.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Lead	**3.8**	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Nickel	**5.8**	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Silver	**5.0**	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Vanadium	**27**	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Zinc	**36**	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	

Organochlorine Pesticides by EPA 8081A

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
4,4´-DDE	**6.0**	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
4,4´-DDT	**3.1**	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Aldrin	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
alpha-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
alpha-Chlordane	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
beta-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Chlordane	ND	8.5	1	B2C1295	03/21/2022	03/23/22 16:59	
delta-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Dieldrin	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Endosulfan I	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Endosulfan II	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Endosulfan sulfate	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Endrin	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Endrin aldehyde	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Endrin ketone	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
gamma-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
gamma-Chlordane	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-10-1

Lab ID: 2200413-03

Organochlorine Pesticides by EPA 8081A **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Heptachlor	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Heptachlor epoxide	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Methoxychlor	ND	5.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Toxaphene	ND	50	1	B2C1295	03/21/2022	03/23/22 16:59	
Surrogate: Decachlorobiphenyl	*55.7 %*	*0 - 97*		B2C1295	03/21/2022	*03/23/22 16:59*	
Surrogate: Tetrachloro-m-xylene	*49.1 %*	*3 - 78*		B2C1295	03/21/2022	*03/23/22 16:59*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-10-6

Lab ID: 2200413-04

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Acenaphthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Acenaphthylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Benzo(a)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Benzo(a)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Benzo(b)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Benzo(k)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Chrysene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Fluorene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Naphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Phenanthrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Surrogate: 1,2-Dichlorobenzene-d4	*71.2 %*	*12 - 125*		B2C1309	03/22/2022	*03/23/22 03:54*	
Surrogate: 2-Fluorobiphenyl	*85.1 %*	*14 - 139*		B2C1309	03/22/2022	*03/23/22 03:54*	
Surrogate: Nitrobenzene-d5	*62.4 %*	*8 - 155*		B2C1309	03/22/2022	*03/23/22 03:54*	
Surrogate: 4-Terphenyl-d14	*111 %*	*16 - 152*		B2C1309	03/22/2022	*03/23/22 03:54*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 17:40	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 17:40	
Surrogate: p-Terphenyl	*108 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 17:40*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,1,1-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,1,2-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-10-6

Lab ID: 2200413-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,1-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,1-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2,3-Trichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2-Dibromoethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,3-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,3-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,4-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
2,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
2-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
4-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
4-Isopropyltoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Benzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Bromobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Bromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Bromodichloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Bromoform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Bromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Carbon disulfide	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Carbon tetrachloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Chlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Chloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Chloroform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Chloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Di-isopropyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Dibromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Dibromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Dichlorodifluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Ethyl Acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 17:30	
Ethyl Ether	ND	44	1	B2C1305	03/22/2022	03/22/22 17:30	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-10-6

Lab ID: 2200413-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Ethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Freon-113	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Hexachlorobutadiene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Isopropylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
m,p-Xylene	ND	8.9	1	B2C1305	03/22/2022	03/22/22 17:30	
Methylene chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
MTBE	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
n-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
n-Propylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Naphthalene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
o-Xylene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
sec-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Styrene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
tert-Amyl methyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
tert-Butanol	ND	89	1	B2C1305	03/22/2022	03/22/22 17:30	
tert-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Tetrachloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Toluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Trichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Trichlorofluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Vinyl acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 17:30	
Vinyl chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Surrogate: 1,2-Dichloroethane-d4	*149 %*	*66 - 200*		B2C1305	03/22/2022	*03/22/22 17:30*	
Surrogate: 4-Bromofluorobenzene	*94.7 %*	*50 - 146*		B2C1305	03/22/2022	*03/22/22 17:30*	
Surrogate: Dibromofluoromethane	*126 %*	*77 - 159*		B2C1305	03/22/2022	*03/22/22 17:30*	
Surrogate: Toluene-d8	*95.5 %*	*81 - 128*		B2C1305	03/22/2022	*03/22/22 17:30*	

Semivolatile Organic Compounds by EPA 8270C **Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
1,2-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
1,3-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
1,4-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2,4,5-Trichlorophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-10-6

Lab ID: 2200413-04

Semivolatile Organic Compounds by EPA 8270C **Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2,4,6-Trichlorophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2,4-Dichlorophenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
2,4-Dimethylphenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2,4-Dinitrophenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
2,4-Dinitrotoluene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2,6-Dinitrotoluene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2-Chloronaphthalene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2-Chlorophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2-Methylnaphthalene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2-Methylphenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
2-Nitrophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
3,3´-Dichlorobenzidine	ND	660	1	B2C1344	03/23/2022	03/23/22 21:30	
3-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
4,6-Dinitro-2-methyphenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Bromophenyl-phenylether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Chloro-3-methylphenol	ND	660	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Chloroaniline	ND	660	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Chlorophenyl-phenylether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Methylphenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Nitrophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Acenaphthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Acenaphthylene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Anthracene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzidine (M)	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzo(a)anthracene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzo(a)pyrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzo(b)fluoranthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzo(g,h,i)perylene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzo(k)fluoranthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzoic acid	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzyl alcohol	ND	660	1	B2C1344	03/23/2022	03/23/22 21:30	
bis(2-chloroethoxy)methane	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
bis(2-Chloroethyl)ether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
bis(2-chloroisopropyl)ether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Butylbenzylphthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Chrysene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Di-n-butylphthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-10-6

Lab ID: 2200413-04

Semivolatile Organic Compounds by EPA 8270C **Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Di-n-octylphthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Dibenz(a,h)anthracene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Dibenzofuran	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Diethyl phthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Dimethyl phthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Fluoranthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Fluorene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Hexachlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Hexachlorobutadiene	ND	660	1	B2C1344	03/23/2022	03/23/22 21:30	
Hexachlorocyclopentadiene	ND	660	1	B2C1344	03/23/2022	03/23/22 21:30	
Hexachloroethane	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Isophorone	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
N-Nitroso-di-n propylamine	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
N-Nitrosodiphenylamine	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Naphthalene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Nitrobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Pentachlorophenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
Phenanthrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Phenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Pyrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Pyridine	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
Surrogate: 1,2-Dichlorobenzene-d4	*60.3 %*	*23 - 102*		B2C1344	03/23/2022	*03/23/22 21:30*	
Surrogate: 2,4,6-Tribromophenol	*64.8 %*	*3 - 138*		B2C1344	03/23/2022	*03/23/22 21:30*	
Surrogate: 2-Chlorophenol-d4	*58.6 %*	*18 - 105*		B2C1344	03/23/2022	*03/23/22 21:30*	
Surrogate: 2-Fluorobiphenyl	*61.5 %*	*34 - 106*		B2C1344	03/23/2022	*03/23/22 21:30*	
Surrogate: 2-Fluorophenol	*56.9 %*	*16 - 94*		B2C1344	03/23/2022	*03/23/22 21:30*	
Surrogate: 4-Terphenyl-d14	*70.9 %*	*31 - 130*		B2C1344	03/23/2022	*03/23/22 21:30*	
Surrogate: Nitrobenzene-d5	*58.2 %*	*23 - 102*		B2C1344	03/23/2022	*03/23/22 21:30*	
Surrogate: Phenol-d6	*56.8 %*	*14 - 104*		B2C1344	03/23/2022	*03/23/22 21:30*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.95	1	B2C1434	03/29/2022	03/29/22 16:57	
Surrogate: 4-Bromofluorobenzene	*94.9 %*	*47.6 - 121.18*		B2C1434	03/29/2022	*03/29/22 16:57*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-6-1

Lab ID: 2200413-05

Title 22 Metals by ICP-AES EPA 6010B — **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Barium	**69**	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Beryllium	**1.8**	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Chromium	**10**	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Cobalt	**3.5**	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Copper	**9.7**	2.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Lead	**2.9**	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Nickel	**4.7**	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Silver	**3.9**	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Vanadium	**21**	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Zinc	**30**	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	

Organochlorine Pesticides by EPA 8081A — **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
4,4′-DDE	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
4,4′-DDT	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Aldrin	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
alpha-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
alpha-Chlordane	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
beta-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Chlordane	ND	8.5	1	B2C1295	03/21/2022	03/23/22 17:09	
delta-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Dieldrin	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Endosulfan I	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Endosulfan II	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Endosulfan sulfate	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Endrin	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Endrin aldehyde	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Endrin ketone	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
gamma-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
gamma-Chlordane	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-6-1

Lab ID: 2200413-05

Organochlorine Pesticides by EPA 8081A **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Heptachlor	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Heptachlor epoxide	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Methoxychlor	ND	5.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Toxaphene	ND	50	1	B2C1295	03/21/2022	03/23/22 17:09	
Surrogate: Decachlorobiphenyl	*57.0 %*	*0 - 97*		B2C1295	03/21/2022	*03/23/22 17:09*	
Surrogate: Tetrachloro-m-xylene	*48.6 %*	*3 - 78*		B2C1295	03/21/2022	*03/23/22 17:09*	

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-6-6

Lab ID: 2200413-06

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Acenaphthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Acenaphthylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Benzo(a)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Benzo(a)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Benzo(b)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Benzo(k)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Chrysene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Fluorene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Naphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Phenanthrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Surrogate: 1,2-Dichlorobenzene-d4	*71.3 %*	*12 - 125*		B2C1309	03/22/2022	*03/23/22 04:20*	
Surrogate: 2-Fluorobiphenyl	*87.2 %*	*14 - 139*		B2C1309	03/22/2022	*03/23/22 04:20*	
Surrogate: Nitrobenzene-d5	*64.2 %*	*8 - 155*		B2C1309	03/22/2022	*03/23/22 04:20*	
Surrogate: 4-Terphenyl-d14	*105 %*	*16 - 152*		B2C1309	03/22/2022	*03/23/22 04:20*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 18:01	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 18:01	
Surrogate: p-Terphenyl	*114 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 18:01*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,1,1-Trichloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,1,2-Trichloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-6-6

Lab ID: 2200413-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,1-Dichloroethene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,1-Dichloropropene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2,3-Trichloropropane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2-Dibromo-3-chloropropane	ND	9.0	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2-Dibromoethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2-Dichlorobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2-Dichloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2-Dichloropropane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,3-Dichlorobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,3-Dichloropropane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,4-Dichlorobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
2,2-Dichloropropane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
2-Chlorotoluene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
4-Chlorotoluene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
4-Isopropyltoluene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Benzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Bromobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Bromochloromethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Bromodichloromethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Bromoform	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Bromomethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Carbon disulfide	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Carbon tetrachloride	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Chlorobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Chloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Chloroform	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Chloromethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Di-isopropyl ether	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Dibromochloromethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Dibromomethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Dichlorodifluoromethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Ethyl Acetate	ND	45	1	B2C1305	03/22/2022	03/22/22 17:56	
Ethyl Ether	ND	45	1	B2C1305	03/22/2022	03/22/22 17:56	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-6-6

Lab ID: 2200413-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Ethylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Freon-113	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Hexachlorobutadiene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Isopropylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
m,p-Xylene	ND	9.0	1	B2C1305	03/22/2022	03/22/22 17:56	
Methylene chloride	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
MTBE	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
n-Butylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
n-Propylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Naphthalene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
o-Xylene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
sec-Butylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Styrene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
tert-Amyl methyl ether	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
tert-Butanol	ND	90	1	B2C1305	03/22/2022	03/22/22 17:56	
tert-Butylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Tetrachloroethene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Toluene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Trichloroethene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Trichlorofluoromethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Vinyl acetate	ND	45	1	B2C1305	03/22/2022	03/22/22 17:56	
Vinyl chloride	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Surrogate: 1,2-Dichloroethane-d4	*153 %*	*66 - 200*		B2C1305	03/22/2022	*03/22/22 17:56*	
Surrogate: 4-Bromofluorobenzene	*94.9 %*	*50 - 146*		B2C1305	03/22/2022	*03/22/22 17:56*	
Surrogate: Dibromofluoromethane	*124 %*	*77 - 159*		B2C1305	03/22/2022	*03/22/22 17:56*	
Surrogate: Toluene-d8	*94.8 %*	*81 - 128*		B2C1305	03/22/2022	*03/22/22 17:56*	

Semivolatile Organic Compounds by EPA 8270C **Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
1,2-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
1,3-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
1,4-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2,4,5-Trichlorophenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-6-6

Lab ID: 2200413-06

Semivolatile Organic Compounds by EPA 8270C **Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2,4,6-Trichlorophenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2,4-Dichlorophenol	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
2,4-Dimethylphenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2,4-Dinitrophenol	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
2,4-Dinitrotoluene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2,6-Dinitrotoluene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2-Chloronaphthalene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2-Chlorophenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2-Methylnaphthalene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2-Methylphenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
2-Nitrophenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
3,3´-Dichlorobenzidine	ND	660	1	B2C1344	03/23/2022	03/24/22 15:13	
3-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
4,6-Dinitro-2-methyphenol	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Bromophenyl-phenylether	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Chloro-3-methylphenol	ND	660	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Chloroaniline	ND	660	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Chlorophenyl-phenylether	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Methylphenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Nitrophenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Acenaphthene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Acenaphthylene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Anthracene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzidine (M)	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzo(a)anthracene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzo(a)pyrene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzo(b)fluoranthene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzo(g,h,i)perylene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzo(k)fluoranthene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzoic acid	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzyl alcohol	ND	660	1	B2C1344	03/23/2022	03/24/22 15:13	
bis(2-chloroethoxy)methane	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
bis(2-Chloroethyl)ether	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
bis(2-chloroisopropyl)ether	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Butylbenzylphthalate	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Chrysene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Di-n-butylphthalate	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-6-6

Lab ID: 2200413-06

Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Di-n-octylphthalate	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Dibenz(a,h)anthracene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Dibenzofuran	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Diethyl phthalate	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Dimethyl phthalate	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Fluoranthene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Fluorene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Hexachlorobenzene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Hexachlorobutadiene	ND	660	1	B2C1344	03/23/2022	03/24/22 15:13	
Hexachlorocyclopentadiene	ND	660	1	B2C1344	03/23/2022	03/24/22 15:13	
Hexachloroethane	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Isophorone	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
N-Nitroso-di-n propylamine	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
N-Nitrosodiphenylamine	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Naphthalene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Nitrobenzene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Pentachlorophenol	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
Phenanthrene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Phenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Pyrene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Pyridine	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
Surrogate: 1,2-Dichlorobenzene-d4	*50.5 %*	*23 - 102*		B2C1344	03/23/2022	*03/24/22 15:13*	
Surrogate: 2,4,6-Tribromophenol	*57.5 %*	*3 - 138*		B2C1344	03/23/2022	*03/24/22 15:13*	
Surrogate: 2-Chlorophenol-d4	*50.8 %*	*18 - 105*		B2C1344	03/23/2022	*03/24/22 15:13*	
Surrogate: 2-Fluorobiphenyl	*54.8 %*	*34 - 106*		B2C1344	03/23/2022	*03/24/22 15:13*	
Surrogate: 2-Fluorophenol	*48.3 %*	*16 - 94*		B2C1344	03/23/2022	*03/24/22 15:13*	
Surrogate: 4-Terphenyl-d14	*66.3 %*	*31 - 130*		B2C1344	03/23/2022	*03/24/22 15:13*	
Surrogate: Nitrobenzene-d5	*50.2 %*	*23 - 102*		B2C1344	03/23/2022	*03/24/22 15:13*	
Surrogate: Phenol-d6	*50.5 %*	*14 - 104*		B2C1344	03/23/2022	*03/24/22 15:13*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.89	1	B2C1434	03/29/2022	03/29/22 17:22	
Surrogate: 4-Bromofluorobenzene	*91.2 %*	*47.6 - 121.18*		B2C1434	03/29/2022	*03/29/22 17:22*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-9-1

Lab ID: 2200413-07

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Barium	**74**	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Beryllium	**2.0**	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Chromium	**12**	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Cobalt	**3.9**	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Copper	**8.3**	2.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Lead	**3.2**	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Nickel	**5.4**	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Silver	**4.4**	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Vanadium	**25**	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Zinc	**33**	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-9-5.5

Lab ID: 2200413-08

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 18:23	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 18:23	
Surrogate: p-Terphenyl	*111 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 18:23*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,1,1-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,1,2-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,1-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,1-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,1-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2,3-Trichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2-Dibromoethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,3-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,3-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,4-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
2,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
2-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
4-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
4-Isopropyltoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Benzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Bromobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Bromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Bromodichloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Bromoform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Bromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Carbon disulfide	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-9-5.5

Lab ID: 2200413-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Chlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Chloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Chloroform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Chloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Di-isopropyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Dibromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Dibromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Dichlorodifluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Ethyl Acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 18:21	
Ethyl Ether	ND	44	1	B2C1305	03/22/2022	03/22/22 18:21	
Ethyl tert-butyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Ethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Freon-113	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Hexachlorobutadiene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Isopropylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
m,p-Xylene	ND	8.9	1	B2C1305	03/22/2022	03/22/22 18:21	
Methylene chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
MTBE	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
n-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
n-Propylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Naphthalene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
o-Xylene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
sec-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Styrene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
tert-Amyl methyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
tert-Butanol	ND	89	1	B2C1305	03/22/2022	03/22/22 18:21	
tert-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Tetrachloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Toluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Trichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Trichlorofluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Vinyl acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 18:21	
Vinyl chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Surrogate: 1,2-Dichloroethane-d4	*142 %*	*66 - 200*		B2C1305	03/22/2022	*03/22/22 18:21*	
Surrogate: 4-Bromofluorobenzene	*93.8 %*	*50 - 146*		B2C1305	03/22/2022	*03/22/22 18:21*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-9-5.5

Lab ID: 2200413-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*121 %*		*77 - 159*		B2C1305	03/22/2022	*03/22/22 18:21*	
Surrogate: Toluene-d8	*91.8 %*		*81 - 128*		B2C1305	03/22/2022	*03/22/22 18:21*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.92	1	B2C1434	03/29/2022	03/29/22 17:46	
Surrogate: 4-Bromofluorobenzene	*92.1 %*		*47.6 - 121.18*		B2C1434	03/29/2022	*03/29/22 17:46*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-9-14
Lab ID: 2200413-09

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 18:44	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 18:44	
Surrogate: p-Terphenyl	*99.6 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 18:44*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,1,1-Trichloroethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,1,2-Trichloroethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,1-Dichloroethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,1-Dichloroethene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,1-Dichloropropene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2,3-Trichloropropane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2-Dibromo-3-chloropropane	ND	9.2	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2-Dibromoethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2-Dichlorobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2-Dichloroethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2-Dichloropropane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,3-Dichlorobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,3-Dichloropropane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,4-Dichlorobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
2,2-Dichloropropane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
2-Chlorotoluene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
4-Chlorotoluene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
4-Isopropyltoluene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Benzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Bromobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Bromochloromethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Bromodichloromethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Bromoform	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Bromomethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Carbon disulfide	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-9-14
Lab ID: 2200413-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Chlorobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Chloroethane	**31**	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Chloroform	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Chloromethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Di-isopropyl ether	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Dibromochloromethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Dibromomethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Dichlorodifluoromethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Ethyl Acetate	ND	46	1	B2C1305	03/22/2022	03/22/22 18:48	
Ethyl Ether	ND	46	1	B2C1305	03/22/2022	03/22/22 18:48	
Ethyl tert-butyl ether	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Ethylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Freon-113	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Hexachlorobutadiene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Isopropylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
m,p-Xylene	ND	9.2	1	B2C1305	03/22/2022	03/22/22 18:48	
Methylene chloride	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
MTBE	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
n-Butylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
n-Propylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Naphthalene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
o-Xylene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
sec-Butylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Styrene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
tert-Amyl methyl ether	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
tert-Butanol	ND	92	1	B2C1305	03/22/2022	03/22/22 18:48	
tert-Butylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Tetrachloroethene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Toluene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Trichloroethene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Trichlorofluoromethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Vinyl acetate	ND	46	1	B2C1305	03/22/2022	03/22/22 18:48	
Vinyl chloride	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Surrogate: 1,2-Dichloroethane-d4	*143 %*	*66 - 200*		B2C1305	03/22/2022	*03/22/22 18:48*	
Surrogate: 4-Bromofluorobenzene	*90.3 %*	*50 - 146*		B2C1305	03/22/2022	*03/22/22 18:48*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-1-9-14
Lab ID: 2200413-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*124 %*	*77 - 159*		B2C1305	03/22/2022	*03/22/22 18:48*	
Surrogate: Toluene-d8	*97.2 %*	*81 - 128*		B2C1305	03/22/2022	*03/22/22 18:48*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.94	1	B2C1434	03/29/2022	03/29/22 18:11	
Surrogate: 4-Bromofluorobenzene	*92.1 %*	*47.6 - 121.18*		B2C1434	03/29/2022	*03/29/22 18:11*	

Client Sample ID: 61W-23-3-1
Lab ID: 2200413-10

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Barium	**69**	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Beryllium	**1.9**	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Chromium	**11**	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Cobalt	**3.4**	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Copper	**7.2**	2.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Lead	**3.0**	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Nickel	**4.6**	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Silver	**4.1**	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Vanadium	**22**	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Zinc	**30**	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-23-3-5.5

Lab ID: 2200413-11

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 19:05	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 19:05	
Surrogate: p-Terphenyl	*109 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 19:05*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,1,1-Trichloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,1,2,2-Tetrachloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,1,2-Trichloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,1-Dichloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,1-Dichloroethene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,1-Dichloropropene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2,3-Trichloropropane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2,3-Trichlorobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2,4-Trichlorobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2,4-Trimethylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2-Dibromo-3-chloropropane	ND	8.1	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2-Dibromoethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2-Dichlorobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2-Dichloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2-Dichloropropane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,3,5-Trimethylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,3-Dichlorobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,3-Dichloropropane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,4-Dichlorobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
2,2-Dichloropropane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
2-Chlorotoluene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
4-Chlorotoluene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
4-Isopropyltoluene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Benzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Bromobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Bromochloromethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Bromodichloromethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Bromoform	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Bromomethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Carbon disulfide	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-23-3-5.5

Lab ID: 2200413-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Chlorobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Chloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Chloroform	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Chloromethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
cis-1,2-Dichloroethene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
cis-1,3-Dichloropropene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Di-isopropyl ether	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Dibromochloromethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Dibromomethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Dichlorodifluoromethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Ethyl Acetate	ND	40	1	B2C1305	03/22/2022	03/22/22 19:14	
Ethyl Ether	ND	40	1	B2C1305	03/22/2022	03/22/22 19:14	
Ethyl tert-butyl ether	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Ethylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Freon-113	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Hexachlorobutadiene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Isopropylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
m,p-Xylene	ND	8.1	1	B2C1305	03/22/2022	03/22/22 19:14	
Methylene chloride	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
MTBE	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
n-Butylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
n-Propylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Naphthalene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
o-Xylene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
sec-Butylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Styrene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
tert-Amyl methyl ether	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
tert-Butanol	ND	81	1	B2C1305	03/22/2022	03/22/22 19:14	
tert-Butylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Tetrachloroethene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Toluene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
trans-1,2-Dichloroethene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
trans-1,3-Dichloropropene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Trichloroethene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Trichlorofluoromethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Vinyl acetate	ND	40	1	B2C1305	03/22/2022	03/22/22 19:14	
Vinyl chloride	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Surrogate: 1,2-Dichloroethane-d4	*151 %*	*66 - 200*		B2C1305	03/22/2022	*03/22/22 19:14*	
Surrogate: 4-Bromofluorobenzene	*97.0 %*	*50 - 146*		B2C1305	03/22/2022	*03/22/22 19:14*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-23-3-5.5
Lab ID: 2200413-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*131 %*	*77 - 159*		B2C1305	03/22/2022	*03/22/22 19:14*	
Surrogate: Toluene-d8	*94.9 %*	*81 - 128*		B2C1305	03/22/2022	*03/22/22 19:14*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.80	1	B2C1434	03/29/2022	03/29/22 18:36	
Surrogate: 4-Bromofluorobenzene	*94.4 %*	*47.6 - 121.18*		B2C1434	03/29/2022	*03/29/22 18:36*	

Client Sample ID: 61W-23-2-1
Lab ID: 2200413-12

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Barium	**84**	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Beryllium	**2.2**	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Chromium	**12**	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Cobalt	**4.2**	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Copper	**9.3**	2.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Lead	**3.1**	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Nickel	**5.5**	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Silver	**4.7**	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Vanadium	**26**	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	
Zinc	**35**	1.0	1	B2C1342	03/23/2022	03/23/22 18:56	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-23-2-5.5

Lab ID: 2200413-13

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 19:26	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 19:26	
Surrogate: p-Terphenyl	*110 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 19:26*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,1,1-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,1,2-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,1-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,1-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,1-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2,3-Trichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2-Dibromoethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,3-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,3-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,4-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
2,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
2-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
4-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
4-Isopropyltoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Benzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Bromobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Bromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Bromodichloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Bromoform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Bromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Carbon disulfide	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-23-2-5.5

Lab ID: 2200413-13

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Chlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Chloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Chloroform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Chloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Di-isopropyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Dibromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Dibromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Dichlorodifluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Ethyl Acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 19:40	
Ethyl Ether	ND	44	1	B2C1305	03/22/2022	03/22/22 19:40	
Ethyl tert-butyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Ethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Freon-113	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Hexachlorobutadiene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Isopropylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
m,p-Xylene	ND	8.7	1	B2C1305	03/22/2022	03/22/22 19:40	
Methylene chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
MTBE	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
n-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
n-Propylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Naphthalene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
o-Xylene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
sec-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Styrene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
tert-Amyl methyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
tert-Butanol	ND	87	1	B2C1305	03/22/2022	03/22/22 19:40	
tert-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Tetrachloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Toluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Trichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Trichlorofluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Vinyl acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 19:40	
Vinyl chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Surrogate: 1,2-Dichloroethane-d4	*148 %*	*66 - 200*		B2C1305	03/22/2022	*03/22/22 19:40*	
Surrogate: 4-Bromofluorobenzene	*96.0 %*	*50 - 146*		B2C1305	03/22/2022	*03/22/22 19:40*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-23-2-5.5
Lab ID: 2200413-13

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*130 %*	*77 - 159*		B2C1305	03/22/2022	*03/22/22 19:40*	
Surrogate: Toluene-d8	*96.2 %*	*81 - 128*		B2C1305	03/22/2022	*03/22/22 19:40*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1434	03/29/2022	03/29/22 19:00	
Surrogate: 4-Bromofluorobenzene	*91.6 %*	*47.6 - 121.18*		B2C1434	03/29/2022	*03/29/22 19:00*	

Client Sample ID: 61W-23-1-1
Lab ID: 2200413-15

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Barium	**97**	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Beryllium	**2.5**	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Chromium	**15**	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Cobalt	**4.9**	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Copper	**18**	2.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Lead	**31**	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Nickel	**6.4**	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Silver	**5.6**	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Vanadium	**31**	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Zinc	**46**	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-23-1-5.5

Lab ID: 2200413-16

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 19:47	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 19:47	
Surrogate: p-Terphenyl	*108 %*	*62 - 141*		B2C1311	03/22/2022	*03/24/22 19:47*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,1,1-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,1,2-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,1-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,1-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,1-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2,3-Trichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2-Dibromoethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,3-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,3-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,4-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
2,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
2-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
4-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
4-Isopropyltoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Benzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Bromobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Bromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Bromodichloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Bromoform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Bromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Carbon disulfide	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-23-1-5.5

Lab ID: 2200413-16

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Chlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Chloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Chloroform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Chloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Di-isopropyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Dibromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Dibromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Dichlorodifluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Ethyl Acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 20:06	
Ethyl Ether	ND	44	1	B2C1305	03/22/2022	03/22/22 20:06	
Ethyl tert-butyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Ethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Freon-113	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Hexachlorobutadiene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Isopropylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
m,p-Xylene	ND	8.7	1	B2C1305	03/22/2022	03/22/22 20:06	
Methylene chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
MTBE	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
n-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
n-Propylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Naphthalene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
o-Xylene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
sec-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Styrene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
tert-Amyl methyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
tert-Butanol	ND	87	1	B2C1305	03/22/2022	03/22/22 20:06	
tert-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Tetrachloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Toluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Trichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Trichlorofluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Vinyl acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 20:06	
Vinyl chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Surrogate: 1,2-Dichloroethane-d4	*144 %*	*66 - 200*		B2C1305	03/22/2022	*03/22/22 20:06*	
Surrogate: 4-Bromofluorobenzene	*91.4 %*	*50 - 146*		B2C1305	03/22/2022	*03/22/22 20:06*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-23-1-5.5
Lab ID: 2200413-16

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*125 %*	*77 - 159*		B2C1305	03/22/2022	*03/22/22 20:06*	
Surrogate: Toluene-d8	*93.9 %*	*81 - 128*		B2C1305	03/22/2022	*03/22/22 20:06*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.84	1	B2C1434	03/29/2022	03/29/22 19:25	
Surrogate: 4-Bromofluorobenzene	*93.1 %*	*47.6 - 121.18*		B2C1434	03/29/2022	*03/29/22 19:25*	

Client Sample ID: 61W-8-1-1
Lab ID: 2200413-17

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Barium	**100**	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Beryllium	**2.7**	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Chromium	**20**	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Cobalt	**5.1**	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Copper	**11**	2.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Lead	**2.6**	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Nickel	**6.5**	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Silver	**6.0**	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Vanadium	**29**	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Zinc	**37**	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-8-1-5.5

Lab ID: 2200413-18

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/28/22 21:13	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/28/22 21:13	
Surrogate: p-Terphenyl	*93.5 %*	*62 - 141*		B2C1311	03/22/2022	*03/28/22 21:13*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,1,1-Trichloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,1,2,2-Tetrachloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,1,2-Trichloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,1-Dichloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,1-Dichloroethene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,1-Dichloropropene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2,3-Trichloropropane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2,3-Trichlorobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2,4-Trichlorobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2,4-Trimethylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2-Dibromoethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2-Dichlorobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2-Dichloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2-Dichloropropane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,3,5-Trimethylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,3-Dichlorobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,3-Dichloropropane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,4-Dichlorobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
2,2-Dichloropropane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
2-Chlorotoluene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
4-Chlorotoluene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
4-Isopropyltoluene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Benzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Bromobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Bromochloromethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Bromodichloromethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Bromoform	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Bromomethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Carbon disulfide	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-8-1-5.5

Lab ID: 2200413-18

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Chlorobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Chloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Chloroform	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Chloromethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
cis-1,2-Dichloroethene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
cis-1,3-Dichloropropene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Di-isopropyl ether	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Dibromochloromethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Dibromomethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Dichlorodifluoromethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Ethyl Acetate	ND	36	1	B2C1305	03/22/2022	03/22/22 20:32	
Ethyl Ether	ND	36	1	B2C1305	03/22/2022	03/22/22 20:32	
Ethyl tert-butyl ether	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Ethylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Freon-113	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Hexachlorobutadiene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Isopropylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
m,p-Xylene	ND	7.3	1	B2C1305	03/22/2022	03/22/22 20:32	
Methylene chloride	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
MTBE	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
n-Butylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
n-Propylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Naphthalene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
o-Xylene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
sec-Butylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Styrene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
tert-Amyl methyl ether	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
tert-Butanol	ND	73	1	B2C1305	03/22/2022	03/22/22 20:32	
tert-Butylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Tetrachloroethene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Toluene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
trans-1,2-Dichloroethene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
trans-1,3-Dichloropropene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Trichloroethene	**6.8**	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Trichlorofluoromethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Vinyl acetate	ND	36	1	B2C1305	03/22/2022	03/22/22 20:32	
Vinyl chloride	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Surrogate: 1,2-Dichloroethane-d4	*156 %*	*66 - 200*		B2C1305	03/22/2022	*03/22/22 20:32*	
Surrogate: 4-Bromofluorobenzene	*93.6 %*	*50 - 146*		B2C1305	03/22/2022	*03/22/22 20:32*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-8-1-5.5

Lab ID: 2200413-18

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*131 %*		*77 - 159*		B2C1305	03/22/2022	*03/22/22 20:32*	
Surrogate: Toluene-d8	*96.9 %*		*81 - 128*		B2C1305	03/22/2022	*03/22/22 20:32*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.71	1	B2C1434	03/29/2022	03/29/22 19:49	
Surrogate: 4-Bromofluorobenzene	*96.6 %*		*47.6 - 121.18*		B2C1434	03/29/2022	*03/29/22 19:49*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

QUALITY CONTROL SECTION

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1309 - MSSEMI_S										
Blank (B2C1309-BLK1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	ND	5.0	0.45							
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	ND	5.0	0.34							
Pyrene	ND	5.0	0.51							
Surrogate: 1,2-Dichlorobenzene-d4	*23.02*			*66.6667*		*34.5*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*41.13*			*66.6667*		*61.7*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*23.97*			*66.6667*		*36.0*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*62.16*			*66.6667*		*93.2*	*16 - 152*			
LCS (B2C1309-BS1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
2-Methylnaphthalene	34.6400	5.0	0.60	66.6667		52.0	39 - 92			
Acenaphthene	39.2980	5.0	0.41	66.6667		58.9	35 - 94			
Acenaphthylene	41.2333	5.0	0.41	66.6667		61.8	31 - 101			
Anthracene	42.0100	5.0	0.56	66.6667		63.0	37 - 95			
Benzo(a)anthracene	65.4147	5.0	0.56	66.6667		98.1	43 - 102			
Benzo(a)pyrene	65.4880	5.0	0.69	66.6667		98.2	38 - 95			L3
Benzo(b)fluoranthene	72.7647	5.0	2.2	66.6667		109	44 - 102			L3
Benzo(g,h,i)perylene	40.3527	5.0	0.80	66.6667		60.5	34 - 114			
Benzo(k)fluoranthene	73.8320	5.0	0.70	66.6667		111	34 - 110			L3
Chrysene	65.5840	5.0	0.61	66.6667		98.4	46 - 101			
Dibenz(a,h)anthracene	47.2953	5.0	0.88	66.6667		70.9	35 - 117			
Fluoranthene	51.2020	5.0	0.45	66.6667		76.8	46 - 107			
Fluorene	39.6313	5.0	0.35	66.6667		59.4	35 - 98			
Indeno(1,2,3-cd)pyrene	45.1853	5.0	0.82	66.6667		67.8	35 - 114			
Naphthalene	35.2627	5.0	0.56	66.6667		52.9	39 - 86			
Phenanthrene	42.7253	5.0	0.34	66.6667		64.1	43 - 98			
Pyrene	52.8307	5.0	0.51	66.6667		79.2	44 - 108			
Surrogate: 1,2-Dichlorobenzene-d4	*38.25*			*66.6667*		*57.4*	*12 - 125*			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1309 - MSSEMI_S (continued)										
LCS (B2C1309-BS1) - Continued						Prepared: 3/22/2022 Analyzed: 3/22/2022				
Surrogate: 2-Fluorobiphenyl	*47.56*			*66.6667*		*71.3*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*35.80*			*66.6667*		*53.7*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*66.23*			*66.6667*		*99.3*	*16 - 152*			
Matrix Spike (B2C1309-MS1)			**Source: 2200407-18**			Prepared: 3/22/2022 Analyzed: 3/23/2022				
2-Methylnaphthalene	37.3033	5.0	0.60	66.6667	1.56000	53.6	43 - 120			
Acenaphthene	43.0480	5.0	0.41	66.6667	1.95733	61.6	52 - 113			
Acenaphthylene	44.7847	5.0	0.41	66.6667	1.46333	65.0	44 - 126			
Anthracene	48.9847	5.0	0.56	66.6667	ND	73.5	49 - 128			
Benzo(a)anthracene	68.3047	5.0	0.56	66.6667	ND	102	32 - 158			
Benzo(a)pyrene	68.4733	5.0	0.69	66.6667	ND	103	39 - 137			
Benzo(b)fluoranthene	75.2367	5.0	2.2	66.6667	ND	113	52 - 132			
Benzo(g,h,i)perylene	40.4507	5.0	0.80	66.6667	ND	60.7	35 - 162			
Benzo(k)fluoranthene	73.8920	5.0	0.70	66.6667	ND	111	18 - 153			
Chrysene	67.5893	5.0	0.61	66.6667	ND	101	25 - 160			
Dibenz(a,h)anthracene	47.5293	5.0	0.88	66.6667	ND	71.3	41 - 155			
Fluoranthene	60.3413	5.0	0.45	66.6667	0.693333	89.5	5 - 185			
Fluorene	44.2053	5.0	0.35	66.6667	1.19733	64.5	28 - 135			
Indeno(1,2,3-cd)pyrene	45.4100	5.0	0.82	66.6667	ND	68.1	36 - 162			
Naphthalene	37.4000	5.0	0.56	66.6667	1.51467	53.8	41 - 113			
Phenanthrene	49.7253	5.0	0.34	66.6667	1.27933	72.7	35 - 143			
Pyrene	60.1367	5.0	0.51	66.6667	ND	90.2	10 - 184			
Surrogate: 1,2-Dichlorobenzene-d4	*39.29*			*66.6667*		*58.9*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*49.03*			*66.6667*		*73.5*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*37.54*			*66.6667*		*56.3*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*69.18*			*66.6667*		*104*	*16 - 152*			
Matrix Spike Dup (B2C1309-MSD1)			**Source: 2200407-18**			Prepared: 3/22/2022 Analyzed: 3/23/2022				
2-Methylnaphthalene	37.9460	5.0	0.60	66.6667	1.56000	54.6	43 - 120	1.71	20	
Acenaphthene	43.2967	5.0	0.41	66.6667	1.95733	62.0	52 - 113	0.576	20	
Acenaphthylene	44.9573	5.0	0.41	66.6667	1.46333	65.2	44 - 126	0.385	20	
Anthracene	49.4680	5.0	0.56	66.6667	ND	74.2	49 - 128	0.982	20	
Benzo(a)anthracene	66.4787	5.0	0.56	66.6667	ND	99.7	32 - 158	2.71	20	
Benzo(a)pyrene	66.9093	5.0	0.69	66.6667	ND	100	39 - 137	2.31	20	
Benzo(b)fluoranthene	73.4760	5.0	2.2	66.6667	ND	110	52 - 132	2.37	20	
Benzo(g,h,i)perylene	39.6160	5.0	0.80	66.6667	ND	59.4	35 - 162	2.08	20	
Benzo(k)fluoranthene	74.1287	5.0	0.70	66.6667	ND	111	18 - 153	0.320	20	
Chrysene	66.4760	5.0	0.61	66.6667	ND	99.7	25 - 160	1.66	20	
Dibenz(a,h)anthracene	46.6153	5.0	0.88	66.6667	ND	69.9	41 - 155	1.94	20	
Fluoranthene	59.7280	5.0	0.45	66.6667	0.693333	88.6	5 - 185	1.02	20	
Fluorene	44.8820	5.0	0.35	66.6667	1.19733	65.5	28 - 135	1.52	20	
Indeno(1,2,3-cd)pyrene	44.5407	5.0	0.82	66.6667	ND	66.8	36 - 162	1.93	20	
Naphthalene	38.0700	5.0	0.56	66.6667	1.51467	54.8	41 - 113	1.78	20	
Phenanthrene	50.3793	5.0	0.34	66.6667	1.27933	73.6	35 - 143	1.31	20	
Pyrene	60.0547	5.0	0.51	66.6667	ND	90.1	10 - 184	0.136	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1309 - MSSEMI_S (continued)									
Matrix Spike Dup (B2C1309-MSD1) - Continued			**Source: 2200407-18**		Prepared: 3/22/2022 Analyzed: 3/23/2022				
Surrogate: 1,2-Dichlorobenzene-d4	*39.32*		*66.6667*		*59.0*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*48.81*		*66.6667*		*73.2*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*37.53*		*66.6667*		*56.3*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*66.83*		*66.6667*		*100*	*16 - 152*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1434 - GCVOA_S										
Blank (B2C1434-BLK1)						Prepared: 3/29/2022 Analyzed: 3/29/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6571*			*0.800000*		*82.1*	*47.6 - 121.18*			
LCS (B2C1434-BS1)						Prepared: 3/29/2022 Analyzed: 3/29/2022				
Gasoline Range Organics	5.24200	1.0	0.13	5.00000		105	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.6984*			*0.800000*		*87.3*	*47.6 - 121.18*			
LCS Dup (B2C1434-BSD1)						Prepared: 3/29/2022 Analyzed: 3/29/2022				
Gasoline Range Organics	5.24000	1.0	0.13	5.00000		105	68.69 - 124.04	0.0382	20	
Surrogate: 4-Bromofluorobenzene	*0.7150*			*0.800000*		*89.4*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1342 - EPA 3050B_S										
Blank (B2C1342-BLK1)						Prepared: 3/23/2022 Analyzed: 3/23/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1342-BS1)						Prepared: 3/23/2022 Analyzed: 3/24/2022				
Antimony	23.6603	2.0	0.51	25.0000		94.6	80 - 120			
Arsenic	24.0117	1.0	0.12	25.0000		96.0	80 - 120			
Barium	24.5940	1.0	0.12	25.0000		98.4	80 - 120			
Beryllium	24.9457	1.0	0.03	25.0100		99.7	80 - 120			
Cadmium	25.0376	1.0	0.14	25.0000		100	80 - 120			
Chromium	24.8592	1.0	0.26	25.0000		99.4	80 - 120			
Cobalt	23.8788	1.0	0.07	25.0000		95.5	80 - 120			
Copper	26.6452	2.0	0.19	25.0000		107	80 - 120			
Lead	26.8432	1.0	0.18	25.0000		107	80 - 120			
Molybdenum	24.7455	1.0	0.12	25.0000		99.0	80 - 120			
Nickel	24.7934	1.0	0.18	25.0000		99.2	80 - 120			
Selenium	24.8856	1.0	0.40	25.0000		99.5	80 - 120			
Silver	12.5268	1.0	0.12	12.5000		100	80 - 120			
Thallium	24.5807	1.0	0.38	25.0000		98.3	80 - 120			
Vanadium	23.6331	1.0	0.06	25.0000		94.5	80 - 120			
Zinc	29.9694	1.0	0.15	25.0000		120	80 - 120			
Matrix Spike (B2C1342-MS1)			**Source: 2200413-01**			Prepared: 3/23/2022 Analyzed: 3/23/2022				
Antimony	11.0254	2.0	0.51	25.0000	ND	44.1	0 - 102			
Arsenic	19.2824	1.0	0.12	25.0000	ND	77.1	55 - 117			
Barium	102.082	1.0	0.12	25.0000	72.0139	120	11 - 177			
Beryllium	20.3127	1.0	0.03	25.0100	2.09645	72.8	64 - 115			
Cadmium	19.7746	1.0	0.14	25.0000	0.336534	77.8	62 - 116			
Chromium	31.3835	1.0	0.26	25.0000	11.6163	79.1	42 - 145			
Cobalt	23.2844	1.0	0.07	25.0000	4.03393	77.0	60 - 126			
Copper	29.9918	2.0	0.19	25.0000	7.77062	88.9	37 - 163			
Lead	24.5758	1.0	0.18	25.0000	3.74752	83.3	26 - 161			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1342 - EPA 3050B_S (continued)										
Matrix Spike (B2C1342-MS1) - Continued			**Source: 2200413-01**				Prepared: 3/23/2022 Analyzed: 3/23/2022			
Molybdenum	18.3930	1.0	0.12	25.0000	ND	73.6	31 - 122			
Nickel	25.2617	1.0	0.18	25.0000	5.29591	79.9	52 - 130			
Selenium	20.3785	1.0	0.40	25.0000	0.532898	79.4	25 - 129			
Silver	15.0329	1.0	0.12	12.5000	4.55442	83.8	48 - 133			
Thallium	18.2586	1.0	0.38	25.0000	ND	73.0	25 - 119			
Vanadium	46.3092	1.0	0.06	25.0000	24.9263	85.5	51 - 141			
Zinc	53.1804	1.0	0.15	25.0000	33.1907	80.0	8 - 170			
Matrix Spike Dup (B2C1342-MSD1)			**Source: 2200413-01**				Prepared: 3/23/2022 Analyzed: 3/23/2022			
Antimony	10.6216	2.0	0.51	25.0000	ND	42.5	0 - 102	3.73	20	
Arsenic	19.2890	1.0	0.12	25.0000	ND	77.2	55 - 117	0.0342	20	
Barium	101.949	1.0	0.12	25.0000	72.0139	120	11 - 177	0.130	20	
Beryllium	20.7435	1.0	0.03	25.0100	2.09645	74.6	64 - 115	2.10	20	
Cadmium	19.8548	1.0	0.14	25.0000	0.336534	78.1	62 - 116	0.405	20	
Chromium	31.5691	1.0	0.26	25.0000	11.6163	79.8	42 - 145	0.590	20	
Cobalt	23.6197	1.0	0.07	25.0000	4.03393	78.3	60 - 126	1.43	20	
Copper	29.1902	2.0	0.19	25.0000	7.77062	85.7	37 - 163	2.71	20	
Lead	25.3401	1.0	0.18	25.0000	3.74752	86.4	26 - 161	3.06	20	
Molybdenum	18.4694	1.0	0.12	25.0000	ND	73.9	31 - 122	0.414	20	
Nickel	25.6691	1.0	0.18	25.0000	5.29591	81.5	52 - 130	1.60	20	
Selenium	21.1925	1.0	0.40	25.0000	0.532898	82.6	25 - 129	3.92	20	
Silver	15.1351	1.0	0.12	12.5000	4.55442	84.6	48 - 133	0.678	20	
Thallium	18.5225	1.0	0.38	25.0000	ND	74.1	25 - 119	1.43	20	
Vanadium	45.1164	1.0	0.06	25.0000	24.9263	80.8	51 - 141	2.61	20	
Zinc	51.8977	1.0	0.15	25.0000	33.1907	74.8	8 - 170	2.44	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1319 - EPA 7471_S										
Blank (B2C1319-BLK1)						Prepared: 3/22/2022 Analyzed: 3/24/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1319-BS1)						Prepared: 3/22/2022 Analyzed: 3/24/2022				
Mercury	0.424224	0.10	0.01	0.416667		102	80 - 120			
Matrix Spike (B2C1319-MS1)			**Source: 2200413-01**			Prepared: 3/22/2022 Analyzed: 3/24/2022				
Mercury	0.471494	0.10	0.01	0.416667	0.104392	88.1	70 - 130			
Matrix Spike Dup (B2C1319-MSD1)			**Source: 2200413-01**			Prepared: 3/22/2022 Analyzed: 3/24/2022				
Mercury	0.481463	0.10	0.01	0.416667	0.104392	90.5	70 - 130	2.09	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1319 - EPA 7471_S									
Post Spike (B2C1319-PS1)			**Source: 2200413-01**		Prepared: 3/22/2022 Analyzed: 3/24/2022				
Mercury	5.7439E-3		5.00000E-3	0.001253	89.8	85 - 115			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1311 - GCSEMI_DRO_S										
Blank (B2C1311-BLK1)						Prepared: 3/22/2022 Analyzed: 3/24/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*80.58*			*80.0000*		*101*	*62 - 141*			
Blank (B2C1311-BLK2)						Prepared: 3/22/2022 Analyzed: 3/28/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*81.20*			*80.0000*		*101*	*62 - 141*			
LCS (B2C1311-BS1)						Prepared: 3/22/2022 Analyzed: 3/24/2022				
DRO	973.371	10	3.6	1000.00		97.3	56 - 139			
Surrogate: p-Terphenyl	*82.26*			*80.0000*		*103*	*62 - 141*			
LCS (B2C1311-BS2)						Prepared: 3/22/2022 Analyzed: 3/28/2022				
DRO	991.910	10	3.6	1000.00		99.2	56 - 139			
Surrogate: p-Terphenyl	*82.60*			*80.0000*		*103*	*62 - 141*			
Matrix Spike (B2C1311-MS1)			**Source: 2200407-02**			Prepared: 3/22/2022 Analyzed: 3/24/2022				
DRO	949.550	10	3.6	1000.00	15.2290	93.4	38 - 161			
Surrogate: p-Terphenyl	*80.40*			*80.0000*		*100*	*62 - 141*			
Matrix Spike Dup (B2C1311-MSD1)			**Source: 2200407-02**			Prepared: 3/22/2022 Analyzed: 3/24/2022				
DRO	950.311	10	3.6	1000.00	15.2290	93.5	38 - 161	0.0801	20	
Surrogate: p-Terphenyl	*80.53*			*80.0000*		*101*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Organochlorine Pesticides by EPA 8081A - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1295 - GCSEMI_PCB/PEST_S										
Blank (B2C1295-BLK1)							Prepared: 3/21/2022 Analyzed: 3/23/2022			
4,4´-DDD	ND	2.0	0.08							
4,4´-DDD [2C]	ND	2.0	0.08							
4,4´-DDE	ND	2.0	0.09							
4,4´-DDE [2C]	ND	2.0	0.09							
4,4´-DDT	ND	2.0	0.10							
4,4´-DDT [2C]	ND	2.0	0.10							
Aldrin	ND	1.0	0.09							
Aldrin [2C]	ND	1.0	0.09							
alpha-BHC	ND	1.0	0.11							
alpha-BHC [2C]	ND	1.0	0.11							
alpha-Chlordane	ND	1.0	0.10							
alpha-Chlordane [2C]	ND	1.0	0.10							
beta-BHC	ND	1.0	0.15							
beta-BHC [2C]	ND	1.0	0.15							
Chlordane	ND	8.5	1.1							
Chlordane [2C]	ND	8.5	1.1							
delta-BHC	ND	1.0	0.11							
delta-BHC [2C]	ND	1.0	0.11							
Dieldrin	ND	2.0	0.09							
Dieldrin [2C]	ND	2.0	0.09							
Endosulfan I	ND	1.0	0.09							
Endosulfan I [2C]	ND	1.0	0.09							
Endosulfan II	ND	2.0	0.09							
Endosulfan II [2C]	ND	2.0	0.09							
Endosulfan sulfate	ND	2.0	0.11							
Endosulfan Sulfate [2C]	ND	2.0	0.11							
Endrin	ND	2.0	0.07							
Endrin [2C]	ND	2.0	0.07							
Endrin aldehyde	ND	2.0	0.18							
Endrin aldehyde [2C]	ND	2.0	0.18							
Endrin ketone	ND	2.0	0.06							
Endrin ketone [2C]	ND	2.0	0.06							
gamma-BHC	ND	1.0	0.12							
gamma-BHC [2C]	ND	1.0	0.12							
gamma-Chlordane	ND	1.0	0.11							
gamma-Chlordane [2C]	ND	1.0	0.11							
Heptachlor	ND	1.0	0.10							
Heptachlor [2C]	ND	1.0	0.10							
Heptachlor epoxide	ND	1.0	0.09							
Heptachlor epoxide [2C]	ND	1.0	0.09							
Methoxychlor	ND	5.0	0.14							
Methoxychlor [2C]	ND	5.0	0.14							
Toxaphene	ND	50	3.6							
Toxaphene [2C]	ND	50	3.6							

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1295 - GCSEMI_PCB/PEST_S (continued)										
Blank (B2C1295-BLK1) - Continued						Prepared: 3/21/2022 Analyzed: 3/23/2022				
Surrogate: Decachlorobiphenyl	*10.54*			*16.6667*		*63.2*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*7.771*			*16.6667*		*46.6*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*10.25*			*16.6667*		*61.5*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*9.560*			*16.6667*		*57.4*	*6 - 76*			
LCS (B2C1295-BS1)						Prepared: 3/21/2022 Analyzed: 3/23/2022				
4,4´-DDD	11.8365	2.0	0.08	16.6667		71.0	35 - 94			
4,4´-DDD [2C]	10.8715	2.0	0.08	16.6667		65.2	38 - 85			
4,4´-DDE	11.7038	2.0	0.09	16.6667		70.2	27 - 81			
4,4´-DDE [2C]	11.3105	2.0	0.09	16.6667		67.9	32 - 84			
4,4´-DDT	12.2012	2.0	0.10	16.6667		73.2	22 - 87			
4,4´-DDT [2C]	10.0260	2.0	0.10	16.6667		60.2	23 - 91			
Aldrin	10.6475	1.0	0.09	16.6667		63.9	23 - 75			
Aldrin [2C]	10.1770	1.0	0.09	16.6667		61.1	25 - 79			
alpha-BHC	11.8978	1.0	0.11	16.6667		71.4	23 - 77			
alpha-BHC [2C]	10.6442	1.0	0.11	16.6667		63.9	39 - 92			
alpha-Chlordane	11.9500	1.0	0.10	16.6667		71.7	30 - 85			
alpha-Chlordane [2C]	11.6290	1.0	0.10	16.6667		69.8	33 - 91			
beta-BHC	10.7728	1.0	0.15	16.6667		64.6	29 - 77			
beta-BHC [2C]	10.5593	1.0	0.15	16.6667		63.4	30 - 80			
delta-BHC	12.9270	1.0	0.11	16.6667		77.6	30 - 85			
delta-BHC [2C]	11.3653	1.0	0.11	16.6667		68.2	33 - 92			
Dieldrin	10.7142	2.0	0.09	16.6667		64.3	31 - 80			
Dieldrin [2C]	10.6010	2.0	0.09	16.6667		63.6	33 - 82			
Endosulfan I	10.5913	1.0	0.09	16.6667		63.5	27 - 74			
Endosulfan I [2C]	9.06633	1.0	0.09	16.6667		54.4	30 - 79			
Endosulfan II	11.5405	2.0	0.09	16.6667		69.2	37 - 86			
Endosulfan II [2C]	11.0128	2.0	0.09	16.6667		66.1	38 - 86			
Endosulfan sulfate	10.6172	2.0	0.11	16.6667		63.7	32 - 80			
Endosulfan Sulfate [2C]	10.3783	2.0	0.11	16.6667		62.3	32 - 87			
Endrin	12.0328	2.0	0.07	16.6667		72.2	35 - 92			
Endrin [2C]	11.7478	2.0	0.07	16.6667		70.5	39 - 98			
Endrin aldehyde	11.3615	2.0	0.18	16.6667		68.2	29 - 82			
Endrin aldehyde [2C]	10.7833	2.0	0.18	16.6667		64.7	30 - 91			
Endrin ketone	10.2470	2.0	0.06	16.6667		61.5	30 - 85			
Endrin ketone [2C]	10.1822	2.0	0.06	16.6667		61.1	32 - 84			
gamma-BHC	11.7065	1.0	0.12	16.6667		70.2	25 - 81			
gamma-BHC [2C]	11.1767	1.0	0.12	16.6667		67.1	26 - 83			
gamma-Chlordane	9.43517	1.0	0.11	16.6667		56.6	30 - 77			
gamma-Chlordane [2C]	10.0662	1.0	0.11	16.6667		60.4	32 - 79			
Heptachlor	10.7985	1.0	0.10	16.6667		64.8	23 - 85			
Heptachlor [2C]	10.6503	1.0	0.10	16.6667		63.9	28 - 84			
Heptachlor epoxide	10.8555	1.0	0.09	16.6667		65.1	26 - 76			
Heptachlor epoxide [2C]	10.1810	1.0	0.09	16.6667		61.1	29 - 80			
Methoxychlor	12.8933	5.0	0.14	16.6667		77.4	27 - 93			

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Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1295 - GCSEMI_PCB/PEST_S (continued)										
LCS (B2C1295-BS1) - Continued						Prepared: 3/21/2022 Analyzed: 3/23/2022				
Methoxychlor [2C]	12.1368	5.0	0.14	16.6667		72.8	27 - 98			
Surrogate: Decachlorobiphenyl	*10.69*			*16.6667*		*64.1*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*7.856*			*16.6667*		*47.1*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*10.50*			*16.6667*		*63.0*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*9.785*			*16.6667*		*58.7*	*6 - 76*			
Matrix Spike (B2C1295-MS1)			**Source: 2200309-01**			Prepared: 3/21/2022 Analyzed: 3/23/2022				
4,4´-DDD	10.2100	2.0	0.08	16.6667	ND	61.3	13 - 84			
4,4´-DDD [2C]	9.92583	2.0	0.08	16.6667	ND	59.6	9 - 91			
4,4´-DDE	10.1852	2.0	0.09	16.6667	ND	61.1	0 - 115			
4,4´-DDE [2C]	10.0833	2.0	0.09	16.6667	ND	60.5	0 - 142			
4,4´-DDT	10.2277	2.0	0.10	16.6667	ND	61.4	0 - 116			
4,4´-DDT [2C]	9.02483	2.0	0.10	16.6667	ND	54.1	0 - 112			
Aldrin	8.92567	1.0	0.09	16.6667	ND	53.6	5 - 80			
Aldrin [2C]	8.71900	1.0	0.09	16.6667	ND	52.3	4 - 86			
alpha-BHC	9.48400	1.0	0.11	16.6667	ND	56.9	10 - 76			
alpha-BHC [2C]	9.03933	1.0	0.11	16.6667	ND	54.2	8 - 86			
alpha-Chlordane	10.3342	1.0	0.10	16.6667	ND	62.0	6 - 92			
alpha-Chlordane [2C]	10.2622	1.0	0.10	16.6667	ND	61.6	1 - 112			
beta-BHC	9.38717	1.0	0.15	16.6667	ND	56.3	14 - 72			
beta-BHC [2C]	9.52950	1.0	0.15	16.6667	ND	57.2	16 - 76			
delta-BHC	11.0965	1.0	0.11	16.6667	ND	66.6	14 - 76			
delta-BHC [2C]	9.93600	1.0	0.11	16.6667	ND	59.6	12 - 86			
Dieldrin	9.56183	2.0	0.09	16.6667	ND	57.4	0 - 122			
Dieldrin [2C]	9.38400	2.0	0.09	16.6667	ND	56.3	0 - 110			
Endosulfan I	9.09517	1.0	0.09	16.6667	ND	54.6	6 - 80			
Endosulfan I [2C]	8.06533	1.0	0.09	16.6667	ND	48.4	0 - 96			
Endosulfan II	9.69717	2.0	0.09	16.6667	ND	58.2	17 - 82			
Endosulfan II [2C]	9.76383	2.0	0.09	16.6667	ND	58.6	6 - 98			
Endosulfan sulfate	8.68067	2.0	0.11	16.6667	ND	52.1	9 - 78			
Endosulfan Sulfate [2C]	9.07900	2.0	0.11	16.6667	ND	54.5	14 - 75			
Endrin	10.4022	2.0	0.07	16.6667	ND	62.4	6 - 111			
Endrin [2C]	10.3450	2.0	0.07	16.6667	ND	62.1	21 - 94			
Endrin aldehyde	9.89950	2.0	0.18	16.6667	ND	59.4	0 - 121			
Endrin aldehyde [2C]	9.04567	2.0	0.18	16.6667	ND	54.3	9 - 87			
Endrin ketone	9.09650	2.0	0.06	16.6667	ND	54.6	8 - 78			
Endrin ketone [2C]	8.95117	2.0	0.06	16.6667	ND	53.7	10 - 84			
gamma-BHC	9.99683	1.0	0.12	16.6667	ND	60.0	14 - 81			
gamma-BHC [2C]	9.60067	1.0	0.12	16.6667	ND	57.6	13 - 84			
gamma-Chlordane	8.58000	1.0	0.11	16.6667	ND	51.5	12 - 79			
gamma-Chlordane [2C]	8.84650	1.0	0.11	16.6667	ND	53.1	11 - 82			
Heptachlor	9.21400	1.0	0.10	16.6667	ND	55.3	3 - 92			
Heptachlor [2C]	8.97817	1.0	0.10	16.6667	ND	53.9	15 - 81			
Heptachlor epoxide	9.13333	1.0	0.09	16.6667	ND	54.8	11 - 75			
Heptachlor epoxide [2C]	9.00533	1.0	0.09	16.6667	ND	54.0	16 - 76			

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Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1295 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike (B2C1295-MS1) - Continued			**Source: 2200309-01**			Prepared: 3/21/2022 Analyzed: 3/23/2022				
Methoxychlor	11.5698	5.0	0.14	16.6667	ND	69.4	0 - 101			
Methoxychlor [2C]	10.8232	5.0	0.14	16.6667	ND	64.9	0 - 110			
Surrogate: Decachlorobiphenyl	*9.322*			*16.6667*		*55.9*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*6.918*			*16.6667*		*41.5*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*8.474*			*16.6667*		*50.8*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*8.477*			*16.6667*		*50.9*	*6 - 76*			
Matrix Spike Dup (B2C1295-MSD1)			**Source: 2200309-01**			Prepared: 3/21/2022 Analyzed: 3/23/2022				
4,4´-DDD	10.5255	2.0	0.08	16.6667	ND	63.2	13 - 84	3.04	20	
4,4´-DDD [2C]	10.4268	2.0	0.08	16.6667	ND	62.6	9 - 91	4.92	20	
4,4´-DDE	10.5578	2.0	0.09	16.6667	ND	63.3	0 - 115	3.59	20	
4,4´-DDE [2C]	10.5800	2.0	0.09	16.6667	ND	63.5	0 - 142	4.81	20	
4,4´-DDT	10.5145	2.0	0.10	16.6667	ND	63.1	0 - 116	2.77	20	
4,4´-DDT [2C]	9.68450	2.0	0.10	16.6667	ND	58.1	0 - 112	7.05	20	
Aldrin	9.24717	1.0	0.09	16.6667	ND	55.5	5 - 80	3.54	20	
Aldrin [2C]	9.14950	1.0	0.09	16.6667	ND	54.9	4 - 86	4.82	20	
alpha-BHC	9.80133	1.0	0.11	16.6667	ND	58.8	10 - 76	3.29	20	
alpha-BHC [2C]	9.62050	1.0	0.11	16.6667	ND	57.7	8 - 86	6.23	20	
alpha-Chlordane	10.7448	1.0	0.10	16.6667	ND	64.5	6 - 92	3.90	20	
alpha-Chlordane [2C]	10.7870	1.0	0.10	16.6667	ND	64.7	1 - 112	4.99	20	
beta-BHC	9.78783	1.0	0.15	16.6667	ND	58.7	14 - 72	4.18	20	
beta-BHC [2C]	9.92117	1.0	0.15	16.6667	ND	59.5	16 - 76	4.03	20	
delta-BHC	11.4855	1.0	0.11	16.6667	ND	68.9	14 - 76	3.45	20	
delta-BHC [2C]	10.4928	1.0	0.11	16.6667	ND	63.0	12 - 86	5.45	20	
Dieldrin	9.95367	2.0	0.09	16.6667	ND	59.7	0 - 122	4.02	20	
Dieldrin [2C]	9.80317	2.0	0.09	16.6667	ND	58.8	0 - 110	4.37	20	
Endosulfan I	9.47683	1.0	0.09	16.6667	ND	56.9	6 - 80	4.11	20	
Endosulfan I [2C]	8.50917	1.0	0.09	16.6667	ND	51.1	0 - 96	5.36	20	
Endosulfan II	9.87583	2.0	0.09	16.6667	ND	59.3	17 - 82	1.83	20	
Endosulfan II [2C]	10.2450	2.0	0.09	16.6667	ND	61.5	6 - 98	4.81	20	
Endosulfan sulfate	9.17783	2.0	0.11	16.6667	ND	55.1	9 - 78	5.57	20	
Endosulfan Sulfate [2C]	9.55417	2.0	0.11	16.6667	ND	57.3	14 - 75	5.10	20	
Endrin	10.8485	2.0	0.07	16.6667	ND	65.1	6 - 111	4.20	20	
Endrin [2C]	10.8573	2.0	0.07	16.6667	ND	65.1	21 - 94	4.83	20	
Endrin aldehyde	10.0892	2.0	0.18	16.6667	ND	60.5	0 - 121	1.90	20	
Endrin aldehyde [2C]	9.89433	2.0	0.18	16.6667	ND	59.4	9 - 87	8.96	20	
Endrin ketone	9.16933	2.0	0.06	16.6667	ND	55.0	8 - 78	0.797	20	
Endrin ketone [2C]	9.40783	2.0	0.06	16.6667	ND	56.4	10 - 84	4.97	20	
gamma-BHC	10.2832	1.0	0.12	16.6667	ND	61.7	14 - 81	2.82	20	
gamma-BHC [2C]	10.1758	1.0	0.12	16.6667	ND	61.1	13 - 84	5.82	20	
gamma-Chlordane	8.96283	1.0	0.11	16.6667	ND	53.8	12 - 79	4.36	20	
gamma-Chlordane [2C]	9.15650	1.0	0.11	16.6667	ND	54.9	11 - 82	3.44	20	
Heptachlor	9.39717	1.0	0.10	16.6667	ND	56.4	3 - 92	1.97	20	
Heptachlor [2C]	9.59383	1.0	0.10	16.6667	ND	57.6	15 - 81	6.63	20	
Heptachlor epoxide	9.51150	1.0	0.09	16.6667	ND	57.1	11 - 75	4.06	20	

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
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Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1295 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike Dup (B2C1295-MSD1) - Continued			**Source: 2200309-01**			Prepared: 3/21/2022 Analyzed: 3/23/2022				
Heptachlor epoxide [2C]	9.48500	1.0	0.09	16.6667	ND	56.9	16 - 76	5.19	20	
Methoxychlor	11.5185	5.0	0.14	16.6667	ND	69.1	0 - 101	0.445	20	
Methoxychlor [2C]	11.3238	5.0	0.14	16.6667	ND	67.9	0 - 110	4.52	20	
Surrogate: Decachlorobiphenyl	*9.492*			*16.6667*		*56.9*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*7.448*			*16.6667*		*44.7*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*8.720*			*16.6667*		*52.3*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*8.840*			*16.6667*		*53.0*	*6 - 76*			

Certificate of Analysis

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1305 - MSVOA_S										
Blank (B2C1305-BLK1)							Prepared: 3/22/2022 Analyzed: 3/22/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1305 - MSVOA_S (continued)										
Blank (B2C1305-BLK1) - Continued						Prepared: 3/22/2022 Analyzed: 3/22/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*61.45*			*50.0000*		*123*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*47.10*			*50.0000*		*94.2*	*50 - 146*			
Surrogate: Dibromofluoromethane	*55.55*			*50.0000*		*111*	*77 - 159*			
Surrogate: Toluene-d8	*48.09*			*50.0000*		*96.2*	*81 - 128*			
LCS (B2C1305-BS1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
1,1,1,2-Tetrachloroethane	49.2000	5.0	0.52	50.0000		98.4	84 - 123			
1,1,1-Trichloroethane	57.5000	5.0	0.26	50.0000		115	78 - 133			
1,1,2,2-Tetrachloroethane	47.3000	5.0	0.21	50.0000		94.6	63 - 127			
1,1,2-Trichloroethane	54.4000	5.0	0.40	50.0000		109	80 - 125			
1,1-Dichloroethane	58.0200	5.0	1.4	50.0000		116	77 - 128			
1,1-Dichloroethene	55.3800	5.0	1.9	50.0000		111	69 - 138			
1,1-Dichloropropene	52.0400	5.0	0.54	50.0000		104	80 - 133			
1,2,3-Trichloropropane	50.5500	5.0	0.40	50.0000		101	74 - 123			
1,2,3-Trichlorobenzene	47.7200	5.0	0.83	50.0000		95.4	79 - 133			
1,2,4-Trichlorobenzene	48.0000	5.0	0.80	50.0000		96.0	73 - 131			
1,2,4-Trimethylbenzene	51.1800	5.0	0.91	50.0000		102	86 - 137			
1,2-Dibromo-3-chloropropane	52.3600	10	1.1	50.0000		105	62 - 127			
1,2-Dibromoethane	51.1900	5.0	0.40	50.0000		102	83 - 126			
1,2-Dichlorobenzene	47.0500	5.0	0.21	50.0000		94.1	83 - 123			
1,2-Dichloroethane	57.2400	5.0	0.50	50.0000		114	76 - 128			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1305 - MSVOA_S (continued)										
LCS (B2C1305-BS1) - Continued						Prepared: 3/22/2022 Analyzed: 3/22/2022				
1,2-Dichloropropane	49.4900	5.0	0.46	50.0000		99.0	77 - 121			
1,3,5-Trimethylbenzene	50.8300	5.0	0.70	50.0000		102	84 - 135			
1,3-Dichlorobenzene	48.4900	5.0	0.36	50.0000		97.0	81 - 126			
1,3-Dichloropropane	49.2900	5.0	0.49	50.0000		98.6	80 - 118			
1,4-Dichlorobenzene	49.6000	5.0	0.27	50.0000		99.2	80 - 124			
2,2-Dichloropropane	54.3700	5.0	0.28	50.0000		109	72 - 135			
2-Chlorotoluene	50.2900	5.0	0.53	50.0000		101	81 - 127			
4-Chlorotoluene	52.2400	5.0	0.40	50.0000		104	83 - 127			
4-Isopropyltoluene	49.6800	5.0	0.81	50.0000		99.4	82 - 143			
Benzene	54.6800	5.0	0.36	50.0000		109	84 - 123			
Bromobenzene	52.0900	5.0	0.62	50.0000		104	80 - 122			
Bromochloromethane	54.7300	5.0	0.30	50.0000		109	83 - 127			
Bromodichloromethane	55.2900	5.0	0.52	50.0000		111	82 - 123			
Bromoform	46.4700	5.0	1.4	50.0000		92.9	80 - 132			
Bromomethane	79.8400	5.0	2.5	50.0000		160	67 - 176			
Carbon disulfide	55.8100	5.0	0.94	50.0000		112	75 - 138			
Carbon tetrachloride	50.9800	5.0	0.73	50.0000		102	76 - 131			
Chlorobenzene	49.2600	5.0	0.42	50.0000		98.5	84 - 119			
Chloroethane	63.8500	5.0	1.5	50.0000		128	56 - 170			
Chloroform	57.0100	5.0	0.24	50.0000		114	78 - 129			
Chloromethane	54.2500	5.0	1.1	50.0000		108	63 - 141			
cis-1,2-Dichloroethene	41.9400	5.0	0.20	50.0000		83.9	83 - 125			
cis-1,3-Dichloropropene	44.8500	5.0	0.39	50.0000		89.7	76 - 129			
Di-isopropyl ether	54.2500	5.0	1.9	50.0000		108	73 - 132			
Dibromochloromethane	46.8500	5.0	0.81	50.0000		93.7	81 - 120			
Dibromomethane	48.9100	5.0	0.23	50.0000		97.8	79 - 124			
Dichlorodifluoromethane	46.5400	5.0	0.14	50.0000		93.1	18 - 199			
Ethyl Acetate	28.5600	50	7.0	500.000		5.71	76 - 138			MO
Ethyl Ether	650.800	50	17	500.000		130	74 - 128			L3
Ethyl tert-butyl ether	50.2700	5.0	0.85	50.0000		101	50 - 175			
Ethylbenzene	51.2400	5.0	0.43	50.0000		102	86 - 130			
Freon-113	64.6800	5.0	1.3	50.0000		129	66 - 132			
Hexachlorobutadiene	51.7700	5.0	0.40	50.0000		104	64 - 135			
Isopropylbenzene	52.9800	5.0	0.79	50.0000		106	80 - 133			
m,p-Xylene	100.490	10	0.98	100.000		100	89 - 133			
Methylene chloride	57.7700	5.0	2.2	50.0000		116	72 - 143			
MTBE	50.6100	5.0	0.81	50.0000		101	73 - 136			
n-Butylbenzene	51.9200	5.0	1.2	50.0000		104	76 - 144			
n-Propylbenzene	51.8500	5.0	0.78	50.0000		104	81 - 136			
Naphthalene	44.8100	5.0	1.1	50.0000		89.6	64 - 128			
o-Xylene	50.1500	5.0	0.67	50.0000		100	82 - 134			
sec-Butylbenzene	51.2600	5.0	0.63	50.0000		103	81 - 138			
Styrene	47.8100	5.0	0.45	50.0000		95.6	79 - 152			
tert-Amyl methyl ether	50.8300	5.0	1.1	50.0000		102	48 - 166			
tert-Butanol	185.250	100	11	250.000		74.1	48 - 148			

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1305 - MSVOA_S (continued)										
LCS (B2C1305-BS1) - Continued						Prepared: 3/22/2022 Analyzed: 3/22/2022				
tert-Butylbenzene	49.7000	5.0	0.80	50.0000		99.4	81 - 135			
Tetrachloroethene	48.0500	5.0	0.31	50.0000		96.1	75 - 127			
Toluene	52.6600	5.0	0.27	50.0000		105	88 - 130			
trans-1,2-Dichloroethene	70.5400	5.0	0.56	50.0000		141	79 - 127			L5
trans-1,3-Dichloropropene	48.6500	5.0	0.59	50.0000		97.3	80 - 130			
Trichloroethene	53.6500	5.0	0.32	50.0000		107	83 - 126			
Trichlorofluoromethane	66.4300	5.0	1.0	50.0000		133	62 - 143			
Vinyl acetate	34.6500	50	6.0	500.000		6.93	69 - 150			MO
Vinyl chloride	61.4100	5.0	0.92	50.0000		123	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*58.63*			*50.0000*		*117*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*47.76*			*50.0000*		*95.5*	*50 - 146*			
Surrogate: Dibromofluoromethane	*54.90*			*50.0000*		*110*	*77 - 159*			
Surrogate: Toluene-d8	*49.92*			*50.0000*		*99.8*	*81 - 128*			
LCS Dup (B2C1305-BSD1)						Prepared: 3/22/2022 Analyzed: 3/22/2022				
1,1,1,2-Tetrachloroethane	44.1100	5.0	0.52	50.0000		88.2	84 - 123	10.9	20	
1,1,1-Trichloroethane	52.8400	5.0	0.26	50.0000		106	78 - 133	8.45	20	
1,1,2,2-Tetrachloroethane	44.3400	5.0	0.21	50.0000		88.7	63 - 127	6.46	20	
1,1,2-Trichloroethane	50.7000	5.0	0.40	50.0000		101	80 - 125	7.04	20	
1,1-Dichloroethane	54.1100	5.0	1.4	50.0000		108	77 - 128	6.97	20	
1,1-Dichloroethene	47.1100	5.0	1.9	50.0000		94.2	69 - 138	16.1	20	
1,1-Dichloropropene	52.3600	5.0	0.54	50.0000		105	80 - 133	0.613	20	
1,2,3-Trichloropropane	47.6400	5.0	0.40	50.0000		95.3	74 - 123	5.93	20	
1,2,3-Trichlorobenzene	45.4800	5.0	0.83	50.0000		91.0	79 - 133	4.81	20	
1,2,4-Trichlorobenzene	46.0600	5.0	0.80	50.0000		92.1	73 - 131	4.13	20	
1,2,4-Trimethylbenzene	47.3300	5.0	0.91	50.0000		94.7	86 - 137	7.82	20	
1,2-Dibromo-3-chloropropane	45.1000	10	1.1	50.0000		90.2	62 - 127	14.9	20	
1,2-Dibromoethane	51.5900	5.0	0.40	50.0000		103	83 - 126	0.778	20	
1,2-Dichlorobenzene	47.1800	5.0	0.21	50.0000		94.4	83 - 123	0.276	20	
1,2-Dichloroethane	55.6400	5.0	0.50	50.0000		111	76 - 128	2.83	20	
1,2-Dichloropropane	50.0100	5.0	0.46	50.0000		100	77 - 121	1.05	20	
1,3,5-Trimethylbenzene	46.7600	5.0	0.70	50.0000		93.5	84 - 135	8.34	20	
1,3-Dichlorobenzene	47.0900	5.0	0.36	50.0000		94.2	81 - 126	2.93	20	
1,3-Dichloropropane	46.5600	5.0	0.49	50.0000		93.1	80 - 118	5.70	20	
1,4-Dichlorobenzene	45.6100	5.0	0.27	50.0000		91.2	80 - 124	8.38	20	
2,2-Dichloropropane	51.9400	5.0	0.28	50.0000		104	72 - 135	4.57	20	
2-Chlorotoluene	49.3300	5.0	0.53	50.0000		98.7	81 - 127	1.93	20	
4-Chlorotoluene	50.1300	5.0	0.40	50.0000		100	83 - 127	4.12	20	
4-Isopropyltoluene	45.3300	5.0	0.81	50.0000		90.7	82 - 143	9.16	20	
Benzene	52.6400	5.0	0.36	50.0000		105	84 - 123	3.80	20	
Bromobenzene	48.1800	5.0	0.62	50.0000		96.4	80 - 122	7.80	20	
Bromochloromethane	48.8000	5.0	0.30	50.0000		97.6	83 - 127	11.5	20	
Bromodichloromethane	54.7500	5.0	0.52	50.0000		110	82 - 123	0.981	20	
Bromoform	44.9600	5.0	1.4	50.0000		89.9	80 - 132	3.30	20	
Bromomethane	72.2300	5.0	2.5	50.0000		144	67 - 176	10.0	20	

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1305 - MSVOA_S (continued)										
LCS Dup (B2C1305-BSD1) - Continued					Prepared: 3/22/2022 Analyzed: 3/22/2022					
Carbon disulfide	48.4800	5.0	0.94	50.0000		97.0	75 - 138	14.1	20	
Carbon tetrachloride	50.3400	5.0	0.73	50.0000		101	76 - 131	1.26	20	
Chlorobenzene	46.3100	5.0	0.42	50.0000		92.6	84 - 119	6.17	20	
Chloroethane	55.3500	5.0	1.5	50.0000		111	56 - 170	14.3	20	
Chloroform	55.7900	5.0	0.24	50.0000		112	78 - 129	2.16	20	
Chloromethane	50.3800	5.0	1.1	50.0000		101	63 - 141	7.40	20	
cis-1,2-Dichloroethene	39.8800	5.0	0.20	50.0000		79.8	83 - 125	5.04	20	L3
cis-1,3-Dichloropropene	43.0800	5.0	0.39	50.0000		86.2	76 - 129	4.03	20	
Di-isopropyl ether	50.9100	5.0	1.9	50.0000		102	73 - 132	6.35	20	
Dibromochloromethane	45.7500	5.0	0.81	50.0000		91.5	81 - 120	2.38	20	
Dibromomethane	50.5200	5.0	0.23	50.0000		101	79 - 124	3.24	20	
Dichlorodifluoromethane	38.9500	5.0	0.14	50.0000		77.9	18 - 199	17.8	20	
Ethyl Acetate	27.4300	50	7.0	500.000		5.49	76 - 138	4.04	20	MO
Ethyl Ether	601.280	50	17	500.000		120	74 - 128	7.91	20	
Ethyl tert-butyl ether	48.9700	5.0	0.85	50.0000		97.9	50 - 175	2.62	20	
Ethylbenzene	47.3000	5.0	0.43	50.0000		94.6	86 - 130	8.00	20	
Freon-113	57.0900	5.0	1.3	50.0000		114	66 - 132	12.5	20	
Hexachlorobutadiene	47.9500	5.0	0.40	50.0000		95.9	64 - 135	7.66	20	
Isopropylbenzene	48.5200	5.0	0.79	50.0000		97.0	80 - 133	8.79	20	
m,p-Xylene	92.7600	10	0.98	100.000		92.8	89 - 133	8.00	20	
Methylene chloride	52.6400	5.0	2.2	50.0000		105	72 - 143	9.29	20	
MTBE	46.2200	5.0	0.81	50.0000		92.4	73 - 136	9.07	20	
n-Butylbenzene	46.8600	5.0	1.2	50.0000		93.7	76 - 144	10.2	20	
n-Propylbenzene	48.0300	5.0	0.78	50.0000		96.1	81 - 136	7.65	20	
Naphthalene	42.8000	5.0	1.1	50.0000		85.6	64 - 128	4.59	20	
o-Xylene	47.3800	5.0	0.67	50.0000		94.8	82 - 134	5.68	20	
sec-Butylbenzene	48.1800	5.0	0.63	50.0000		96.4	81 - 138	6.19	20	
Styrene	46.9500	5.0	0.45	50.0000		93.9	79 - 152	1.82	20	
tert-Amyl methyl ether	48.0800	5.0	1.1	50.0000		96.2	48 - 166	5.56	20	
tert-Butanol	184.140	100	11	250.000		73.7	48 - 148	0.601	20	
tert-Butylbenzene	46.1300	5.0	0.80	50.0000		92.3	81 - 135	7.45	20	
Tetrachloroethene	44.2400	5.0	0.31	50.0000		88.5	75 - 127	8.26	20	
Toluene	50.7100	5.0	0.27	50.0000		101	88 - 130	3.77	20	
trans-1,2-Dichloroethene	70.6300	5.0	0.56	50.0000		141	79 - 127	0.128	20	L5
trans-1,3-Dichloropropene	49.5400	5.0	0.59	50.0000		99.1	80 - 130	1.81	20	
Trichloroethene	51.1000	5.0	0.32	50.0000		102	83 - 126	4.87	20	
Trichlorofluoromethane	59.7200	5.0	1.0	50.0000		119	62 - 143	10.6	20	
Vinyl acetate	31.4700	50	6.0	500.000		6.29	69 - 150	9.62	20	MO
Vinyl chloride	57.5500	5.0	0.92	50.0000		115	69 - 140	6.49	20	
Surrogate: 1,2-Dichloroethane-d4	*54.49*			*50.0000*		*109*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*47.08*			*50.0000*		*94.2*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.45*			*50.0000*		*107*	*77 - 159*			
Surrogate: Toluene-d8	*51.08*			*50.0000*		*102*	*81 - 128*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
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Irvine , CA 92612	Reported : 05/12/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1344 - MSSEMI_NAL										
Blank (B2C1344-BLK1)							Prepared: 3/23/2022 Analyzed: 3/23/2022			
1,2,4-Trichlorobenzene	ND	330	50							
1,2-Dichlorobenzene	ND	330	26							
1,3-Dichlorobenzene	ND	330	27							
1,4-Dichlorobenzene	ND	330	27							
2,4,5-Trichlorophenol	ND	330	30							
2,4,6-Trichlorophenol	ND	330	35							
2,4-Dichlorophenol	ND	1600	34							
2,4-Dimethylphenol	ND	330	26							
2,4-Dinitrophenol	ND	1600	86							
2,4-Dinitrotoluene	ND	330	33							
2,6-Dinitrotoluene	ND	330	49							
2-Chloronaphthalene	ND	330	28							
2-Chlorophenol	ND	330	31							
2-Methylnaphthalene	ND	330	27							
2-Methylphenol	ND	330	36							
2-Nitroaniline	ND	1600	43							
2-Nitrophenol	ND	330	45							
3,3´-Dichlorobenzidine	ND	660	280							
3-Nitroaniline	ND	1600	49							
4,6-Dinitro-2-methyphenol	ND	1600	41							
4-Bromophenyl-phenylether	ND	330	64							
4-Chloro-3-methylphenol	ND	660	71							
4-Chloroaniline	ND	660	53							
4-Chlorophenyl-phenylether	ND	330	33							
4-Methylphenol	ND	330	57							
4-Nitroaniline	ND	1600	37							
4-Nitrophenol	ND	330	64							
Acenaphthene	ND	330	43							
Acenaphthylene	ND	330	62							
Anthracene	ND	330	51							
Benzidine (M)	ND	1600	1400							
Benzo(a)anthracene	ND	330	44							
Benzo(a)pyrene	ND	330	64							
Benzo(b)fluoranthene	ND	330	65							
Benzo(g,h,i)perylene	ND	330	81							
Benzo(k)fluoranthene	ND	330	33							
Benzoic acid	ND	1600	890							
Benzyl alcohol	ND	660	32							
bis(2-chloroethoxy)methane	ND	330	64							
bis(2-Chloroethyl)ether	ND	330	66							
bis(2-chloroisopropyl)ether	ND	330	76							
bis(2-ethylhexyl)phthalate	ND	330	63							
Butylbenzylphthalate	ND	330	41							
Chrysene	ND	330	84							
Di-n-butylphthalate	ND	330	51							

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1344 - MSSEMI_NAL (continued)										
Blank (B2C1344-BLK1) - Continued							Prepared: 3/23/2022 Analyzed: 3/23/2022			
Di-n-octylphthalate	ND	330	63							
Dibenz(a,h)anthracene	ND	330	45							
Dibenzofuran	ND	330	58							
Diethyl phthalate	ND	330	58							
Dimethyl phthalate	ND	330	40							
Fluoranthene	ND	330	60							
Fluorene	ND	330	110							
Hexachlorobenzene	ND	330	55							
Hexachlorobutadiene	ND	660	53							
Hexachlorocyclopentadiene	ND	660	70							
Hexachloroethane	ND	330	94							
Indeno(1,2,3-cd)pyrene	ND	330	75							
Isophorone	ND	330	85							
N-Nitroso-di-n propylamine	ND	330	60							
N-Nitrosodiphenylamine	ND	330	32							
Naphthalene	ND	330	56							
Nitrobenzene	ND	330	57							
Pentachlorophenol	ND	1600	50							
Phenanthrene	ND	330	67							
Phenol	ND	330	34							
Pyrene	ND	330	72							
Pyridine	ND	1600	270							
Surrogate: 1,2-Dichlorobenzene-d4	*4007*			*6666.67*		*60.1*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*7546*			*10000.0*		*75.5*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*5925*			*10000.0*		*59.2*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*4236*			*6666.67*		*63.5*	*34 - 106*			
Surrogate: 2-Fluorophenol	*5914*			*10000.0*		*59.1*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*5060*			*6666.67*		*75.9*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*4225*			*6666.67*		*63.4*	*23 - 102*			
Surrogate: Phenol-d6	*5921*			*10000.0*		*59.2*	*14 - 104*			
Blank (B2C1344-BLK2)							Prepared: 3/23/2022 Analyzed: 3/24/2022			
1,2,4-Trichlorobenzene	ND	330	50							
1,2-Dichlorobenzene	ND	330	26							
1,3-Dichlorobenzene	ND	330	27							
1,4-Dichlorobenzene	ND	330	27							
2,4,5-Trichlorophenol	ND	330	30							
2,4,6-Trichlorophenol	ND	330	35							
2,4-Dichlorophenol	ND	1600	34							
2,4-Dimethylphenol	ND	330	26							
2,4-Dinitrophenol	ND	1600	86							
2,4-Dinitrotoluene	ND	330	33							
2,6-Dinitrotoluene	ND	330	49							
2-Chloronaphthalene	ND	330	28							
2-Chlorophenol	ND	330	31							

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1344 - MSSEMI_NAL (continued)										
Blank (B2C1344-BLK2) - Continued							Prepared: 3/23/2022 Analyzed: 3/24/2022			
2-Methylnaphthalene	ND	330	27							
2-Methylphenol	ND	330	36							
2-Nitroaniline	ND	1600	43							
2-Nitrophenol	ND	330	45							
3,3′-Dichlorobenzidine	ND	660	280							
3-Nitroaniline	ND	1600	49							
4,6-Dinitro-2-methyphenol	ND	1600	41							
4-Bromophenyl-phenylether	ND	330	64							
4-Chloro-3-methylphenol	ND	660	71							
4-Chloroaniline	ND	660	53							
4-Chlorophenyl-phenylether	ND	330	33							
4-Methylphenol	ND	330	57							
4-Nitroaniline	ND	1600	37							
4-Nitrophenol	ND	330	64							
Acenaphthene	ND	330	43							
Acenaphthylene	ND	330	62							
Anthracene	ND	330	51							
Benzidine (M)	ND	1600	1400							
Benzo(a)anthracene	ND	330	44							
Benzo(a)pyrene	ND	330	64							
Benzo(b)fluoranthene	ND	330	65							
Benzo(g,h,i)perylene	ND	330	81							
Benzo(k)fluoranthene	ND	330	33							
Benzoic acid	ND	1600	890							
Benzyl alcohol	ND	660	32							
bis(2-chloroethoxy)methane	ND	330	64							
bis(2-Chloroethyl)ether	ND	330	66							
bis(2-chloroisopropyl)ether	ND	330	76							
bis(2-ethylhexyl)phthalate	ND	330	63							
Butylbenzylphthalate	ND	330	41							
Chrysene	ND	330	84							
Di-n-butylphthalate	ND	330	51							
Di-n-octylphthalate	ND	330	63							
Dibenz(a,h)anthracene	ND	330	45							
Dibenzofuran	ND	330	58							
Diethyl phthalate	ND	330	58							
Dimethyl phthalate	ND	330	40							
Fluoranthene	ND	330	60							
Fluorene	ND	330	110							
Hexachlorobenzene	ND	330	55							
Hexachlorobutadiene	ND	660	53							
Hexachlorocyclopentadiene	ND	660	70							
Hexachloroethane	ND	330	94							
Indeno(1,2,3-cd)pyrene	ND	330	75							
Isophorone	ND	330	85							

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Project Number : Ontario Airport / 5925
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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1344 - MSSEMI_NAL (continued)										
Blank (B2C1344-BLK2) - Continued						Prepared: 3/23/2022 Analyzed: 3/24/2022				
N-Nitroso-di-n propylamine	ND	330	60							
N-Nitrosodiphenylamine	ND	330	32							
Naphthalene	ND	330	56							
Nitrobenzene	ND	330	57							
Pentachlorophenol	ND	1600	50							
Phenanthrene	ND	330	67							
Phenol	ND	330	34							
Pyrene	ND	330	72							
Pyridine	ND	1600	270							
Surrogate: 1,2-Dichlorobenzene-d4	*4196*			*6666.67*		*62.9*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*6721*			*10000.0*		*67.2*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*6075*			*10000.0*		*60.8*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*4187*			*6666.67*		*62.8*	*34 - 106*			
Surrogate: 2-Fluorophenol	*5869*			*10000.0*		*58.7*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*5131*			*6666.67*		*77.0*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*4027*			*6666.67*		*60.4*	*23 - 102*			
Surrogate: Phenol-d6	*5980*			*10000.0*		*59.8*	*14 - 104*			
LCS (B2C1344-BS1)						Prepared: 3/23/2022 Analyzed: 3/23/2022				
1,2,4-Trichlorobenzene	4678.00	330	50	6666.67		70.2	41 - 104			
1,2-Dichlorobenzene	4390.00	330	26	6666.67		65.8	37 - 100			
1,3-Dichlorobenzene	4171.33	330	27	6666.67		62.6	36 - 98			
1,4-Dichlorobenzene	4298.00	330	27	6666.67		64.5	37 - 97			
2,4,5-Trichlorophenol	5280.00	330	30	6666.67		79.2	47 - 115			
2,4,6-Trichlorophenol	5243.33	330	35	6666.67		78.6	48 - 119			
2,4-Dichlorophenol	5048.67	1600	34	6666.67		75.7	46 - 118			
2,4-Dimethylphenol	5216.00	330	26	6666.67		78.2	41 - 114			
2,4-Dinitrophenol	4684.00	1600	86	6666.67		70.3	0 - 180			
2,4-Dinitrotoluene	5808.00	330	33	6666.67		87.1	40 - 138			
2,6-Dinitrotoluene	5633.33	330	49	6666.67		84.5	45 - 131			
2-Chloronaphthalene	5060.00	330	28	6666.67		75.9	46 - 112			
2-Chlorophenol	4466.00	330	31	6666.67		67.0	41 - 99			
2-Methylnaphthalene	4916.67	330	27	6666.67		73.8	45 - 111			
2-Methylphenol	4777.33	330	36	6666.67		71.7	40 - 92			
2-Nitroaniline	5660.00	1600	43	6666.67		84.9	44 - 130			
2-Nitrophenol	4866.67	330	45	6666.67		73.0	34 - 114			
3,3´-Dichlorobenzidine	4638.00	660	280	6666.67		69.6	41 - 128			
3-Nitroaniline	5813.33	1600	49	6666.67		87.2	47 - 123			
4,6-Dinitro-2-methyphenol	5313.33	1600	41	6666.67		79.7	2 - 172			
4-Bromophenyl-phenylether	5463.33	330	64	6666.67		81.9	49 - 116			
4-Chloro-3-methylphenol	5629.33	660	71	6666.67		84.4	45 - 127			
4-Chloroaniline	5352.67	660	53	6666.67		80.3	50 - 106			
4-Chlorophenyl-phenylether	5418.00	330	33	6666.67		81.3	49 - 115			
4-Methylphenol	2590.00	330	57	3333.33		77.7	43 - 109			
4-Nitroaniline	5806.67	1600	37	6666.67		87.1	44 - 125			

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1344 - MSSEMI_NAL (continued)										
LCS (B2C1344-BS1) - Continued						Prepared: 3/23/2022 Analyzed: 3/23/2022				
4-Nitrophenol	5585.33	330	64	6666.67		83.8	30 - 146			
Acenaphthene	5249.33	330	43	6666.67		78.7	44 - 110			
Acenaphthylene	5270.67	330	62	6666.67		79.1	42 - 111			
Anthracene	5468.00	330	51	6666.67		82.0	41 - 117			
Benzidine (M)	4008.00	1600	1400	6666.67		60.1	0 - 189			
Benzo(a)anthracene	5536.00	330	44	6666.67		83.0	45 - 110			
Benzo(a)pyrene	5634.00	330	64	6666.67		84.5	45 - 116			
Benzo(b)fluoranthene	5456.67	330	65	6666.67		81.8	43 - 112			
Benzo(g,h,i)perylene	5434.00	330	81	6666.67		81.5	43 - 113			
Benzo(k)fluoranthene	5590.00	330	33	6666.67		83.8	42 - 114			
Benzoic acid	ND	1600	890	6666.67		NR	0 - 134			
Benzyl alcohol	5101.33	660	32	6666.67		76.5	39 - 117			
bis(2-chloroethoxy)methane	4963.33	330	64	6666.67		74.4	43 - 102			
bis(2-Chloroethyl)ether	4460.67	330	66	6666.67		66.9	38 - 99			
bis(2-chloroisopropyl)ether	4416.67	330	76	6666.67		66.2	30 - 104			
bis(2-ethylhexyl)phthalate	5666.00	330	63	6666.67		85.0	49 - 123			
Butylbenzylphthalate	5770.67	330	41	6666.67		86.6	49 - 122			
Chrysene	5535.33	330	84	6666.67		83.0	46 - 111			
Di-n-butylphthalate	5567.33	330	51	6666.67		83.5	48 - 118			
Di-n-octylphthalate	6071.33	330	63	6666.67		91.1	46 - 131			
Dibenz(a,h)anthracene	5419.33	330	45	6666.67		81.3	43 - 113			
Dibenzofuran	5279.33	330	58	6666.67		79.2	50 - 113			
Diethyl phthalate	5430.67	330	58	6666.67		81.5	50 - 115			
Dimethyl phthalate	5390.00	330	40	6666.67		80.8	48 - 112			
Fluoranthene	5562.67	330	60	6666.67		83.4	40 - 119			
Fluorene	5441.33	330	110	6666.67		81.6	41 - 117			
Hexachlorobenzene	5355.33	330	55	6666.67		80.3	46 - 123			
Hexachlorobutadiene	4309.33	660	53	6666.67		64.6	37 - 104			
Hexachlorocyclopentadiene	4178.00	660	70	6666.67		62.7	30 - 128			
Hexachloroethane	4298.67	330	94	6666.67		64.5	38 - 103			
Indeno(1,2,3-cd)pyrene	5572.67	330	75	6666.67		83.6	43 - 113			
Isophorone	5180.67	330	85	6666.67		77.7	43 - 109			
N-Nitroso-di-n propylamine	5159.33	330	60	6666.67		77.4	44 - 111			
N-Nitrosodiphenylamine	5296.67	330	32	6666.67		79.4	48 - 113			
Naphthalene	4618.00	330	56	6666.67		69.3	38 - 103			
Nitrobenzene	4646.00	330	57	6666.67		69.7	40 - 111			
Pentachlorophenol	5313.33	1600	50	6666.67		79.7	33 - 130			
Phenanthrene	5372.00	330	67	6666.67		80.6	42 - 119			
Phenol	4361.33	330	34	6666.67		65.4	43 - 104			
Pyrene	5514.67	330	72	6666.67		82.7	38 - 120			
Pyridine	2628.67	1600	270	6666.67		39.4	0 - 72			
Surrogate: 1,2-Dichlorobenzene-d4	*4396*			*6666.67*		*65.9*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*8961*			*10000.0*		*89.6*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*6838*			*10000.0*		*68.4*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*5045*			*6666.67*		*75.7*	*34 - 106*			

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1344 - MSSEMI_NAL (continued)										
LCS (B2C1344-BS1) - Continued						Prepared: 3/23/2022 Analyzed: 3/23/2022				
Surrogate: 2-Fluorophenol	*6308*			*10000.0*		*63.1*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*5659*			*6666.67*		*84.9*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*4725*			*6666.67*		*70.9*	*23 - 102*			
Surrogate: Phenol-d6	*6990*			*10000.0*		*69.9*	*14 - 104*			
LCS (B2C1344-BS2)						Prepared: 3/23/2022 Analyzed: 3/24/2022				
1,2,4-Trichlorobenzene	3462.00	330	50	6666.67		51.9	41 - 104			
1,2-Dichlorobenzene	3025.33	330	26	6666.67		45.4	37 - 100			
1,3-Dichlorobenzene	3096.67	330	27	6666.67		46.4	36 - 98			
1,4-Dichlorobenzene	3094.67	330	27	6666.67		46.4	37 - 97			
2,4,5-Trichlorophenol	3894.00	330	30	6666.67		58.4	47 - 115			
2,4,6-Trichlorophenol	3788.67	330	35	6666.67		56.8	48 - 119			
2,4-Dichlorophenol	3674.00	1600	34	6666.67		55.1	46 - 118			
2,4-Dimethylphenol	3720.67	330	26	6666.67		55.8	41 - 114			
2,4-Dinitrophenol	3550.00	1600	86	6666.67		53.2	0 - 180			
2,4-Dinitrotoluene	3941.33	330	33	6666.67		59.1	40 - 138			
2,6-Dinitrotoluene	3938.67	330	49	6666.67		59.1	45 - 131			
2-Chloronaphthalene	3632.00	330	28	6666.67		54.5	46 - 112			
2-Chlorophenol	3249.33	330	31	6666.67		48.7	41 - 99			
2-Methylnaphthalene	3670.00	330	27	6666.67		55.0	45 - 111			
2-Methylphenol	3460.00	330	36	6666.67		51.9	40 - 92			
2-Nitroaniline	3870.67	1600	43	6666.67		58.1	44 - 130			
2-Nitrophenol	3558.00	330	45	6666.67		53.4	34 - 114			
3,3´-Dichlorobenzidine	2980.67	660	280	6666.67		44.7	41 - 128			
3-Nitroaniline	4021.33	1600	49	6666.67		60.3	47 - 123			
4,6-Dinitro-2-methyphenol	3862.67	1600	41	6666.67		57.9	2 - 172			
4-Bromophenyl-phenylether	3992.00	330	64	6666.67		59.9	49 - 116			
4-Chloro-3-methylphenol	3974.67	660	71	6666.67		59.6	45 - 127			
4-Chloroaniline	3874.67	660	53	6666.67		58.1	50 - 106			
4-Chlorophenyl-phenylether	3832.67	330	33	6666.67		57.5	49 - 115			
4-Methylphenol	1818.00	330	57	3333.33		54.5	43 - 109			
4-Nitroaniline	4016.67	1600	37	6666.67		60.2	44 - 125			
4-Nitrophenol	3933.33	330	64	6666.67		59.0	30 - 146			
Acenaphthene	3679.33	330	43	6666.67		55.2	44 - 110			
Acenaphthylene	3790.67	330	62	6666.67		56.9	42 - 111			
Anthracene	3992.67	330	51	6666.67		59.9	41 - 117			
Benzidine (M)	1681.33	1600	1400	6666.67		25.2	0 - 189			
Benzo(a)anthracene	3928.67	330	44	6666.67		58.9	45 - 110			
Benzo(a)pyrene	4008.67	330	64	6666.67		60.1	45 - 116			
Benzo(b)fluoranthene	4020.00	330	65	6666.67		60.3	43 - 112			
Benzo(g,h,i)perylene	3802.67	330	81	6666.67		57.0	43 - 113			
Benzo(k)fluoranthene	3845.33	330	33	6666.67		57.7	42 - 114			
Benzoic acid	ND	1600	890	6666.67		NR	0 - 134			
Benzyl alcohol	3596.67	660	32	6666.67		54.0	39 - 117			
bis(2-chloroethoxy)methane	3642.00	330	64	6666.67		54.6	43 - 102			

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1344 - MSSEMI_NAL (continued)										
LCS (B2C1344-BS2) - Continued						Prepared: 3/23/2022 Analyzed: 3/24/2022				
bis(2-Chloroethyl)ether	3208.00	330	66	6666.67		48.1	38 - 99			
bis(2-chloroisopropyl)ether	3170.00	330	76	6666.67		47.6	30 - 104			
bis(2-ethylhexyl)phthalate	3912.00	330	63	6666.67		58.7	49 - 123			
Butylbenzylphthalate	3886.67	330	41	6666.67		58.3	49 - 122			
Chrysene	3962.67	330	84	6666.67		59.4	46 - 111			
Di-n-butylphthalate	3992.67	330	51	6666.67		59.9	48 - 118			
Di-n-octylphthalate	4000.00	330	63	6666.67		60.0	46 - 131			
Dibenz(a,h)anthracene	3913.33	330	45	6666.67		58.7	43 - 113			
Dibenzofuran	3828.00	330	58	6666.67		57.4	50 - 113			
Diethyl phthalate	3786.67	330	58	6666.67		56.8	50 - 115			
Dimethyl phthalate	3848.00	330	40	6666.67		57.7	48 - 112			
Fluoranthene	4038.00	330	60	6666.67		60.6	40 - 119			
Fluorene	3800.00	330	110	6666.67		57.0	41 - 117			
Hexachlorobenzene	3982.67	330	55	6666.67		59.7	46 - 123			
Hexachlorobutadiene	3382.00	660	53	6666.67		50.7	37 - 104			
Hexachlorocyclopentadiene	2943.33	660	70	6666.67		44.1	30 - 128			
Hexachloroethane	3129.33	330	94	6666.67		46.9	38 - 103			
Indeno(1,2,3-cd)pyrene	4000.00	330	75	6666.67		60.0	43 - 113			
Isophorone	3694.67	330	85	6666.67		55.4	43 - 109			
N-Nitroso-di-n propylamine	3480.67	330	60	6666.67		52.2	44 - 111			
N-Nitrosodiphenylamine	3888.67	330	32	6666.67		58.3	48 - 113			
Naphthalene	3476.00	330	56	6666.67		52.1	38 - 103			
Nitrobenzene	3468.00	330	57	6666.67		52.0	40 - 111			
Pentachlorophenol	3912.67	1600	50	6666.67		58.7	33 - 130			
Phenanthrene	3937.33	330	67	6666.67		59.1	42 - 119			
Phenol	2993.33	330	34	6666.67		44.9	43 - 104			
Pyrene	4099.33	330	72	6666.67		61.5	38 - 120			
Pyridine	3186.67	1600	270	6666.67		47.8	0 - 72			
Surrogate: 1,2-Dichlorobenzene-d4	*3517*			*6666.67*		*52.8*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*7055*			*10000.0*		*70.5*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*5588*			*10000.0*		*55.9*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*4089*			*6666.67*		*61.3*	*34 - 106*			
Surrogate: 2-Fluorophenol	*5273*			*10000.0*		*52.7*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*4479*			*6666.67*		*67.2*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*3921*			*6666.67*		*58.8*	*23 - 102*			
Surrogate: Phenol-d6	*5637*			*10000.0*		*56.4*	*14 - 104*			
Matrix Spike (B2C1344-MS1)			**Source: 2200413-02**			Prepared: 3/23/2022 Analyzed: 3/23/2022				
1,2,4-Trichlorobenzene	3483.33	330	50	6666.67	ND	52.2	35 - 113			
1,2-Dichlorobenzene	3190.00	330	26	6666.67	ND	47.8	32 - 102			
1,3-Dichlorobenzene	3097.33	330	27	6666.67	ND	46.5	32 - 100			
1,4-Dichlorobenzene	3144.67	330	27	6666.67	ND	47.2	33 - 97			
2,4,5-Trichlorophenol	4020.00	330	30	6666.67	ND	60.3	36 - 124			
2,4,6-Trichlorophenol	3843.33	330	35	6666.67	ND	57.6	37 - 130			
2,4-Dichlorophenol	3691.33	1600	34	6666.67	ND	55.4	32 - 130			

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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1344 - MSSEMI_NAL (continued)										
Matrix Spike (B2C1344-MS1) - Continued		**Source: 2200413-02**				Prepared: 3/23/2022 Analyzed: 3/23/2022				
2,4-Dimethylphenol	3806.67	330	26	6666.67	ND	57.1	30 - 128			
2,4-Dinitrophenol	3679.33	1600	86	6666.67	ND	55.2	0 - 203			
2,4-Dinitrotoluene	4023.33	330	33	6666.67	ND	60.3	21 - 168			
2,6-Dinitrotoluene	3823.33	330	49	6666.67	ND	57.3	31 - 152			
2-Chloronaphthalene	3648.00	330	28	6666.67	ND	54.7	33 - 130			
2-Chlorophenol	3252.00	330	31	6666.67	ND	48.8	32 - 106			
2-Methylnaphthalene	3590.00	330	27	6666.67	ND	53.8	33 - 125			
2-Methylphenol	3393.33	330	36	6666.67	ND	50.9	34 - 96			
2-Nitroaniline	3894.67	1600	43	6666.67	ND	58.4	30 - 146			
2-Nitrophenol	3531.33	330	45	6666.67	ND	53.0	22 - 125			
3,3´-Dichlorobenzidine	2980.67	660	280	6666.67	ND	44.7	19 - 144			
3-Nitroaniline	4066.00	1600	49	6666.67	ND	61.0	36 - 133			
4,6-Dinitro-2-methyphenol	3976.00	1600	41	6666.67	ND	59.6	0 - 196			
4-Bromophenyl-phenylether	3967.33	330	64	6666.67	ND	59.5	41 - 121			
4-Chloro-3-methylphenol	3890.67	660	71	6666.67	ND	58.4	39 - 134			
4-Chloroaniline	3820.00	660	53	6666.67	ND	57.3	37 - 115			
4-Chlorophenyl-phenylether	3900.00	330	33	6666.67	ND	58.5	34 - 133			
4-Methylphenol	1865.33	330	57	3333.33	ND	56.0	34 - 121			
4-Nitroaniline	4080.67	1600	37	6666.67	ND	61.2	30 - 138			
4-Nitrophenol	4026.00	330	64	6666.67	ND	60.4	5 - 154			
Acenaphthene	3760.00	330	43	6666.67	ND	56.4	33 - 121			
Acenaphthylene	3816.00	330	62	6666.67	ND	57.2	35 - 120			
Anthracene	3929.33	330	51	6666.67	ND	58.9	28 - 133			
Benzidine (M)	1805.33	1600	1400	6666.67	ND	27.1	8 - 175			
Benzo(a)anthracene	4011.33	330	44	6666.67	ND	60.2	32 - 127			
Benzo(a)pyrene	4069.33	330	64	6666.67	ND	61.0	35 - 127			
Benzo(b)fluoranthene	3962.00	330	65	6666.67	ND	59.4	29 - 126			
Benzo(g,h,i)perylene	3902.00	330	81	6666.67	ND	58.5	26 - 129			
Benzo(k)fluoranthene	4102.00	330	33	6666.67	ND	61.5	36 - 120			
Benzoic acid	ND	1600	890	6666.67	ND	NR	0 - 208			
Benzyl alcohol	3773.33	660	32	6666.67	39.3333	56.0	32 - 120			
bis(2-chloroethoxy)methane	3586.67	330	64	6666.67	ND	53.8	34 - 108			
bis(2-Chloroethyl)ether	3259.33	330	66	6666.67	ND	48.9	34 - 100			
bis(2-chloroisopropyl)ether	3221.33	330	76	6666.67	ND	48.3	21 - 111			
bis(2-ethylhexyl)phthalate	3876.67	330	63	6666.67	ND	58.2	39 - 131			
Butylbenzylphthalate	3944.67	330	41	6666.67	ND	59.2	39 - 129			
Chrysene	3884.00	330	84	6666.67	ND	58.3	33 - 126			
Di-n-butylphthalate	3944.67	330	51	6666.67	ND	59.2	42 - 122			
Di-n-octylphthalate	4170.67	330	63	6666.67	ND	62.6	30 - 147			
Dibenz(a,h)anthracene	3966.67	330	45	6666.67	ND	59.5	30 - 126			
Dibenzofuran	3778.67	330	58	6666.67	ND	56.7	36 - 133			
Diethyl phthalate	3904.67	330	58	6666.67	ND	58.6	28 - 139			
Dimethyl phthalate	3853.33	330	40	6666.67	ND	57.8	32 - 129			
Fluoranthene	4053.33	330	60	6666.67	ND	60.8	23 - 140			
Fluorene	3838.00	330	110	6666.67	ND	57.6	32 - 130			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1344 - MSSEMI_NAL (continued)										
Matrix Spike (B2C1344-MS1) - Continued			**Source: 2200413-02**				Prepared: 3/23/2022 Analyzed: 3/23/2022			
Hexachlorobenzene	3929.33	330	55	6666.67	ND	58.9	27 - 148			
Hexachlorobutadiene	3229.33	660	53	6666.67	ND	48.4	29 - 112			
Hexachlorocyclopentadiene	2998.67	660	70	6666.67	ND	45.0	13 - 147			
Hexachloroethane	3245.33	330	94	6666.67	ND	48.7	31 - 104			
Indeno(1,2,3-cd)pyrene	4061.33	330	75	6666.67	ND	60.9	21 - 137			
Isophorone	3695.33	330	85	6666.67	ND	55.4	34 - 112			
N-Nitroso-di-n propylamine	3636.67	330	60	6666.67	ND	54.6	36 - 115			
N-Nitrosodiphenylamine	3810.00	330	32	6666.67	ND	57.2	40 - 120			
Naphthalene	3430.67	330	56	6666.67	ND	51.5	33 - 108			
Nitrobenzene	3430.67	330	57	6666.67	ND	51.5	32 - 122			
Pentachlorophenol	4113.33	1600	50	6666.67	ND	61.7	0 - 151			
Phenanthrene	3948.67	330	67	6666.67	ND	59.2	40 - 122			
Phenol	3197.33	330	34	6666.67	ND	48.0	35 - 112			
Pyrene	4006.00	330	72	6666.67	ND	60.1	28 - 132			
Pyridine	3376.67	1600	270	6666.67	ND	50.6	5 - 107			
Surrogate: 1,2-Dichlorobenzene-d4	*3711*			*6666.67*		*55.7*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*7193*			*10000.0*		*71.9*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*5487*			*10000.0*		*54.9*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*4099*			*6666.67*		*61.5*	*34 - 106*			
Surrogate: 2-Fluorophenol	*5325*			*10000.0*		*53.2*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*4412*			*6666.67*		*66.2*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*3925*			*6666.67*		*58.9*	*23 - 102*			
Surrogate: Phenol-d6	*5738*			*10000.0*		*57.4*	*14 - 104*			
Matrix Spike Dup (B2C1344-MSD1)			**Source: 2200413-02**				Prepared: 3/23/2022 Analyzed: 3/23/2022			
1,2,4-Trichlorobenzene	4464.00	330	50	6666.67	ND	67.0	35 - 113	24.7	20	R
1,2-Dichlorobenzene	4007.33	330	26	6666.67	ND	60.1	32 - 102	22.7	20	R
1,3-Dichlorobenzene	3940.00	330	27	6666.67	ND	59.1	32 - 100	23.9	20	R
1,4-Dichlorobenzene	3963.33	330	27	6666.67	ND	59.4	33 - 97	23.0	20	R
2,4,5-Trichlorophenol	5160.00	330	30	6666.67	ND	77.4	36 - 124	24.8	20	R
2,4,6-Trichlorophenol	5056.00	330	35	6666.67	ND	75.8	37 - 130	27.3	20	R
2,4-Dichlorophenol	4762.00	1600	34	6666.67	ND	71.4	32 - 130	25.3	20	R
2,4-Dimethylphenol	4948.67	330	26	6666.67	ND	74.2	30 - 128	26.1	20	R
2,4-Dinitrophenol	4733.33	1600	86	6666.67	ND	71.0	0 - 203	25.1	20	R
2,4-Dinitrotoluene	5464.67	330	33	6666.67	ND	82.0	21 - 168	30.4	20	R
2,6-Dinitrotoluene	5365.33	330	49	6666.67	ND	80.5	31 - 152	33.6	20	R
2-Chloronaphthalene	4872.67	330	28	6666.67	ND	73.1	33 - 130	28.7	20	R
2-Chlorophenol	4240.67	330	31	6666.67	ND	63.6	32 - 106	26.4	20	R
2-Methylnaphthalene	4650.00	330	27	6666.67	ND	69.8	33 - 125	25.7	20	R
2-Methylphenol	4364.00	330	36	6666.67	ND	65.5	34 - 96	25.0	20	R
2-Nitroaniline	5576.67	1600	43	6666.67	ND	83.6	30 - 146	35.5	20	R
2-Nitrophenol	4758.67	330	45	6666.67	ND	71.4	22 - 125	29.6	20	R
3,3´-Dichlorobenzidine	4561.33	660	280	6666.67	ND	68.4	19 - 144	41.9	20	R
3-Nitroaniline	5566.67	1600	49	6666.67	ND	83.5	36 - 133	31.2	20	R
4,6-Dinitro-2-methyphenol	5236.67	1600	41	6666.67	ND	78.6	0 - 196	27.4	20	R

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1344 - MSSEMI_NAL (continued)										
Matrix Spike Dup (B2C1344-MSD1) - Continued		**Source: 2200413-02**				Prepared: 3/23/2022 Analyzed: 3/23/2022				
4-Bromophenyl-phenylether	5298.00	330	64	6666.67	ND	79.5	41 - 121	28.7	20	R
4-Chloro-3-methylphenol	5264.67	660	71	6666.67	ND	79.0	39 - 134	30.0	20	R
4-Chloroaniline	5046.00	660	53	6666.67	ND	75.7	37 - 115	27.7	20	R
4-Chlorophenyl-phenylether	5130.00	330	33	6666.67	ND	77.0	34 - 133	27.2	20	R
4-Methylphenol	2394.00	330	57	3333.33	ND	71.8	34 - 121	24.8	20	R
4-Nitroaniline	5580.00	1600	37	6666.67	ND	83.7	30 - 138	31.0	20	R
4-Nitrophenol	5287.33	330	64	6666.67	ND	79.3	5 - 154	27.1	20	R
Acenaphthene	5001.33	330	43	6666.67	ND	75.0	33 - 121	28.3	20	R
Acenaphthylene	4993.33	330	62	6666.67	ND	74.9	35 - 120	26.7	20	R
Anthracene	5346.00	330	51	6666.67	ND	80.2	28 - 133	30.5	20	R
Benzidine (M)	2462.00	1600	1400	6666.67	ND	36.9	8 - 175	30.8	20	R
Benzo(a)anthracene	5316.67	330	44	6666.67	ND	79.8	32 - 127	28.0	20	R
Benzo(a)pyrene	5393.33	330	64	6666.67	ND	80.9	35 - 127	28.0	20	R
Benzo(b)fluoranthene	5217.33	330	65	6666.67	ND	78.3	29 - 126	27.4	20	R
Benzo(g,h,i)perylene	5344.67	330	81	6666.67	ND	80.2	26 - 129	31.2	20	R
Benzo(k)fluoranthene	5587.33	330	33	6666.67	ND	83.8	36 - 120	30.7	20	R
Benzoic acid	ND	1600	890	6666.67	ND	NR	0 - 208	NR	20	
Benzyl alcohol	4613.33	660	32	6666.67	39.3333	68.6	32 - 120	20.0	20	R
bis(2-chloroethoxy)methane	4640.67	330	64	6666.67	ND	69.6	34 - 108	25.6	20	R
bis(2-Chloroethyl)ether	4156.67	330	66	6666.67	ND	62.4	34 - 100	24.2	20	R
bis(2-chloroisopropyl)ether	4086.00	330	76	6666.67	ND	61.3	21 - 111	23.7	20	R
bis(2-ethylhexyl)phthalate	5372.00	330	63	6666.67	ND	80.6	39 - 131	32.3	20	R
Butylbenzylphthalate	5406.00	330	41	6666.67	ND	81.1	39 - 129	31.3	20	R
Chrysene	5287.33	330	84	6666.67	ND	79.3	33 - 126	30.6	20	R
Di-n-butylphthalate	5349.33	330	51	6666.67	ND	80.2	42 - 122	30.2	20	R
Di-n-octylphthalate	5721.33	330	63	6666.67	ND	85.8	30 - 147	31.4	20	R
Dibenz(a,h)anthracene	5350.67	330	45	6666.67	ND	80.3	30 - 126	29.7	20	R
Dibenzofuran	5124.67	330	58	6666.67	ND	76.9	36 - 133	30.2	20	R
Diethyl phthalate	5298.00	330	58	6666.67	ND	79.5	28 - 139	30.3	20	R
Dimethyl phthalate	5255.33	330	40	6666.67	ND	78.8	32 - 129	30.8	20	R
Fluoranthene	5507.33	330	60	6666.67	ND	82.6	23 - 140	30.4	20	R
Fluorene	5214.67	330	110	6666.67	ND	78.2	32 - 130	30.4	20	R
Hexachlorobenzene	5343.33	330	55	6666.67	ND	80.1	27 - 148	30.5	20	R
Hexachlorobutadiene	4196.00	660	53	6666.67	ND	62.9	29 - 112	26.0	20	R
Hexachlorocyclopentadiene	4203.33	660	70	6666.67	ND	63.0	13 - 147	33.5	20	R
Hexachloroethane	3781.33	330	94	6666.67	ND	56.7	31 - 104	15.3	20	
Indeno(1,2,3-cd)pyrene	5493.33	330	75	6666.67	ND	82.4	21 - 137	30.0	20	R
Isophorone	4869.33	330	85	6666.67	ND	73.0	34 - 112	27.4	20	R
N-Nitroso-di-n propylamine	4664.00	330	60	6666.67	ND	70.0	36 - 115	24.8	20	R
N-Nitrosodiphenylamine	5154.67	330	32	6666.67	ND	77.3	40 - 120	30.0	20	R
Naphthalene	4442.00	330	56	6666.67	ND	66.6	33 - 108	25.7	20	R
Nitrobenzene	4328.67	330	57	6666.67	ND	64.9	32 - 122	23.1	20	R
Pentachlorophenol	5389.33	1600	50	6666.67	ND	80.8	0 - 151	26.9	20	R
Phenanthrene	5354.67	330	67	6666.67	ND	80.3	40 - 122	30.2	20	R
Phenol	3954.67	330	34	6666.67	ND	59.3	35 - 112	21.2	20	R

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1344 - MSSEMI_NAL (continued)										
Matrix Spike Dup (B2C1344-MSD1) - Continued			**Source: 2200413-02**			Prepared: 3/23/2022 Analyzed: 3/23/2022				
Pyrene	5541.33	330	72	6666.67	ND	83.1	28 - 132	32.2	20	R
Pyridine	3928.67	1600	270	6666.67	ND	58.9	5 - 107	15.1	20	
Surrogate: 1,2-Dichlorobenzene-d4	*3944*			*6666.67*		*59.2*	*23 - 102*			
Surrogate: 2,4,6-Tribromophenol	*8232*			*10000.0*		*82.3*	*3 - 138*			
Surrogate: 2-Chlorophenol-d4	*6141*			*10000.0*		*61.4*	*18 - 105*			
Surrogate: 2-Fluorobiphenyl	*4635*			*6666.67*		*69.5*	*34 - 106*			
Surrogate: 2-Fluorophenol	*5581*			*10000.0*		*55.8*	*16 - 94*			
Surrogate: 4-Terphenyl-d14	*5172*			*6666.67*		*77.6*	*31 - 130*			
Surrogate: Nitrobenzene-d5	*4236*			*6666.67*		*63.5*	*23 - 102*			
Surrogate: Phenol-d6	*6165*			*10000.0*		*61.6*	*14 - 104*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/18/22

2200413

3.2°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) Tiam Nasin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	6IW-1-11-1	3/18/22	0815	Soil	1	1			X							X	X	
2	6IW-1-11-6	↓	0824	↓	6	2	4			X	X	X	X	X				
3	6IW-1-10-1		0846		1	1			X							X	X	
4	6IW-1-10-6		0853		6	2	4			X	X	X	X	X				
5	6IW-1-6-1		0912		1	1			X							X	X	
6	6IW-1-6-6		0920		6	2	4			X	X	X	X	X				
7	6IW-1-9-1		0947		1	1			X									
8	6IW-1-9-5.5		0954		5	1	4			X	X	X						
9	6IW-1-9-14		0958		5	1	4			X	X	X						
10	6IW-23-3-1		1052		1	1			X									
11	6IW-23-3-5.5		1101		5	1	4			X	X	X						
12	6IW-23-2-1		1125		1	1			X									
13	6IW-23-2-5.5		1140	↓	5	1	4			X	X	X						
14	TB_20220318		1150	Water	4		4											X
15	6IW-23-1-1	↓	1203	Soil	1	1			X									

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/18/22	Time: 1440
Relinquished by: (Signature)	Received by: (Signature) ATC	Date: 3/18/22	Time: 15:10
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/18/22

2200413

3.2°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tiam Navin / Josh Voss
TEL: (949) 679-1070 E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
16	61W-23-1-5.5	3/18/22	1208	Soil	5	1	4			X	X	X						
17	61W-8-1-1	↓	1237	↓	1	1			X									
18	61W-8-1-5.5	↓	1243	↓	5	1	4			X	X	X						

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/18/22	Time: 1440
Relinquished by: (Signature)	Received by: (Signature)	Date: 3/18/22	Time: 15:10
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: March 28, 2022

Mr. Jerald Ancheta
Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Tel:(562)989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

Project: **Work Order 2200413**
Lab I.D.: **220321-8, -9, -10**

Dear Mr. Ancheta:

The **analytical results** for the soil samples, received by our lab on March 21, 2022, are attached. The samples were received chilled, intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President

Pearl Wong
Quality Manager

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or Manager's Designee, as verified by the above signature which applies to this PDS File as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of ELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced Technology Laboratories**
3275 Walnut Avenue, Signal Hill, CA 90755
Tel: (562) 989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

PROJECT: **Work Order: 2200413**

MATRIX: SOIL
DATE SAMPLED: 03/18/22
REPORT TO: MR. JERALD ANCHETA

DATE RECEIVED: 03/21/22
DATE EXTRACTED: 03/23-24/22
DATE ANALYZED: 03/24/22
DATE REPORTED: 03/28/22

SAMPLE I.D.: **ATL Lab#: 2200413-01 / 61W-1-11-1**
LAB I.D.: 220321-8

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced Technology Laboratories**
3275 Walnut Avenue, Signal Hill, CA 90755
Tel: (562) 989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

PROJECT: **Work Order: 2200413**

MATRIX: SOIL
DATE SAMPLED: 03/18/22
REPORT TO: MR. JERALD ANCHETA

DATE RECEIVED: 03/21/22
DATE EXTRACTED: 03/23-24/22
DATE ANALYZED: 03/24/22
DATE REPORTED: 03/28/22

SAMPLE I.D.: **ATL Lab#: 2200413-03 / 61W-1-10-1**
LAB I.D.: 220321-9

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced Technology Laboratories**
3275 Walnut Avenue, Signal Hill, CA 90755
Tel: (562) 989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

PROJECT: **Work Order: 2200413**

MATRIX: SOIL
DATE SAMPLED: 03/18/22
REPORT TO: MR. JERALD ANCHETA

DATE RECEIVED: 03/21/22
DATE EXTRACTED: 03/23-24/22
DATE ANALYZED: 03/24/22
DATE REPORTED: 03/28/22

SAMPLE I.D.: **ATL Lab#: 2200413-05 / 61W-1-6-1**
LAB I.D.: 220321-10

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Advanced Technology Laboratories**
3275 Walnut Avenue, Signal Hill, CA 90755
Tel:(562)989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

PROJECT: **Work Order: 2200413**

MATRIX:SOIL
DATE SAMPLED:03/18/22
REPORT TO:MR. JERALD ANCHETA

DATE RECEIVED:03/21/22
DATE EXTRACTED:03/23-24/22
DATE ANALYZED:03/24/22
DATE REPORTED:03/28/22

METHOD BLANK FOR LAB I.D.: 220321-8, -9, -10

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report
Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid** Date Analyzed: **3/24/2022**
Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 220321-9 MS/MSD

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.050	0.060	**119%**	0.059	**118%**	**1%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.050	0.055	**109%**	70-130
2,4,5-TP	0.050	0.064	**128%**	70-130
Dinoseb	0.250	0.306	**122%**	70-130

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	220321-8	220321-9	220321-10			
DCAA	50-150	120%	104%	121%	112%			

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:								
DCAA	50-150							

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:								
DCAA	50-150							

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: KP

Final Reviewer:

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 2200413

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Jerald Ancheta
(Jerald.Ancheta@atlglobal.com)
Sampler: _Client Sampler

RECEIVING LABORATORY:

Enviro-Chem, Inc.
1214 East Lexington Avenue
Pomona, CA 91766
Phone :(909) 590-5905
Fax:
PO#: SC16095

IMPORTANT : Please 'J-Flag' results to MDL. Please include Work Order # and PO # in your invoice.

QC Requirements:
- [x] Routine
- [ ] MS/MSD
- [ ] Caltrans
- [ ] Level IV*
- [ ] DUP
- [ ] Other: _____

TAT Requirements:
- [x] Standard
- [ ] Rush _____ Days
- [ ] Fastest Possible

EDD Requirements:
- [ ] Standard Excel
- [ ] Geotracker EDF
- [ ] EQuis
- [ ] Other: _____

* All Level IV sample containers (including empty ones) must be returned to ATL 30 days after receipt.

Analysis		Expires	Sampled	Comments
ATL Lab#: 2200413-01 8151_SUB [Chlorinated Herbicides]	**/ 61W-1-11-1** 220321-8	**Soil** 04/01/22 08:15	**03/18/22 08:15** Glass Jar - 2 oz	
ATL Lab#: 2200413-03 8151_SUB [Chlorinated Herbicides]	**/ 61W-1-10-1** -9 20Z JW	**Soil** 04/01/22 08:46	**03/18/22 08:46** Glass Jar - 2 oz	

Prepared by: _____ 3/21/22
Sample Control Technician — Date

Inspected by: _____ 3/21/22
PM Lead / SC Lead — Date

Approved by: Victoria Ulchur 03/21/22
Dedicated ATL Project Manager — Date

	Date	Time		Date	Time
Released By ATL Sample Control	3/21/22	12:30	Received By Courier		
Released By Courier			Received By Subcontract Laboratory	03/21/22	1230
Released By	03/21/22	1520	Received By	3/21/22	15:25

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 2200413

Analysis		Expires	Sampled	Comments
ATL Lab#: 2200413-05	**/ 61W-1-6-1**	**Soil**	**03/18/22 09:12**	
8151_SUB		04/01/22 09:12	Glass Jar - 2 oz	
[Chlorinated Herbicides]				

22032|-10

Prepared by: _____ 3/21/22
Sample Control Technician — Date

Inspected by: _____ 3/21/22
PM Lead / SC Lead — Date

Approved by:
Victoria Wichul 03/21/22
Dedicated ATL Project Manager — Date

_____ 3/21/22 12:30
Released By ATL Sample Control — Date — Time

_____
Received By Courier — Date — Time

_____
Released By Courier — Date — Time

_____ 03/21/22 1230
Received By Subcontract Laboratory — Date — Time

_____ 03/21/22 1520
Released By — Date — Time

_____ 3/21/22 15:25
Received By — Date — Time

May 12, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

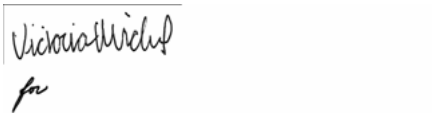
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200428
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 21, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,



Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 05/12/22 15:31 on Behalf of



Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-17A-3-1	2200428-01	Soil	3/21/22 7:59	3/21/22 16:49
61W-17A-3-5.5	2200428-02	Soil	3/21/22 8:08	3/21/22 16:49
61W-17A-1-1	2200428-03	Soil	3/21/22 8:28	3/21/22 16:49
61W-17A-1-5.5	2200428-04	Soil	3/21/22 8:36	3/21/22 16:49
61W-17A-1-10	2200428-05	Soil	3/21/22 8:40	3/21/22 16:49
61W-17A-1-15	2200428-06	Soil	3/21/22 8:44	3/21/22 16:49
61W-17A-2-1	2200428-07	Soil	3/21/22 9:02	3/21/22 16:49
61W-17A-2-5.5	2200428-08	Soil	3/21/22 9:10	3/21/22 16:49
61W-17A-4-1	2200428-09	Soil	3/21/22 9:40	3/21/22 16:49
61W-17A-4-5.5	2200428-10	Soil	3/21/22 9:48	3/21/22 16:49
61W-17A-5-1	2200428-11	Soil	3/21/22 10:14	3/21/22 16:49
61W-17A-5-5.5	2200428-12	Soil	3/21/22 10:28	3/21/22 16:49
61W-17A-6-1	2200428-13	Soil	3/21/22 10:50	3/21/22 16:49
61W-17A-6-5.5	2200428-14	Soil	3/21/22 11:00	3/21/22 16:49
TB-20220321	2200428-15	Water	3/21/22 11:05	3/21/22 16:49
61W-17A-7-1	2200428-16	Soil	3/21/22 12:05	3/21/22 16:49
61W-17A-7-5.5	2200428-17	Soil	3/21/22 12:20	3/21/22 16:49
61W-17A-8-1	2200428-18	Soil	3/21/22 12:42	3/21/22 16:49
61W-17A-8-5.5	2200428-19	Soil	3/21/22 12:58	3/21/22 16:49
61W-43-1-1	2200428-20	Soil	3/21/22 13:35	3/21/22 16:49
61W-43-1-5.5	2200428-21	Soil	3/21/22 13:45	3/21/22 16:49
EB-20220321	2200428-22	Water	3/21/22 14:00	3/21/22 16:49

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200428-01	61W-17A-3-1	**ND**	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22 10:48	
2200428-03	61W-17A-1-1	**ND**	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22 11:01	
2200428-05	61W-17A-1-10	**ND**	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22 11:05	
2200428-07	61W-17A-2-1	**ND**	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22 11:08	
2200428-09	61W-17A-4-1	**ND**	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22 11:12	
2200428-11	61W-17A-5-1	**ND**	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22 11:23	
2200428-13	61W-17A-6-1	**ND**	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22 11:26	
2200428-16	61W-17A-7-1	**ND**	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22 11:30	
2200428-18	61W-17A-8-1	**ND**	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22 11:33	
2200428-20	61W-43-1-1	**ND**	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22 11:36	

Client Sample ID: 61W-17A-3-1

Lab ID: 2200428-01

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Arsenic	**2.7**	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Barium	**120**	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Beryllium	**2.8**	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Chromium	**16**	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Cobalt	**5.7**	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Copper	**17**	2.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Lead	**6.9**	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Nickel	**7.2**	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Selenium	**2.5**	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Silver	**6.1**	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Vanadium	**30**	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	
Zinc	**53**	1.0	1	B2C1372	03/24/2022	03/25/22 10:51	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-3-5.5
Lab ID: 2200428-02

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 03:13	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 03:13	
Surrogate: p-Terphenyl	*107 %*	*62 - 141*		B2C1324	03/22/2022	*03/26/22 03:13*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,1,1-Trichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,1,2-Trichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,1-Dichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,1-Dichloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,1-Dichloropropene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2,3-Trichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2-Dibromoethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2-Dichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2-Dichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2-Dichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,3-Dichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,3-Dichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,4-Dichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
2,2-Dichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
2-Chlorotoluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
4-Chlorotoluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
4-Isopropyltoluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Benzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Bromobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Bromochloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Bromodichloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Bromoform	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Bromomethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Carbon disulfide	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-3-5.5

Lab ID: 2200428-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Chlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Chloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Chloroform	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Chloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Di-isopropyl ether	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Dibromochloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Dibromomethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Dichlorodifluoromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Ethyl Acetate	ND	45	1	B2C1325	03/23/2022	03/23/22 12:30	
Ethyl Ether	ND	45	1	B2C1325	03/23/2022	03/23/22 12:30	
Ethyl tert-butyl ether	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Ethylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Freon-113	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Hexachlorobutadiene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Isopropylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
m,p-Xylene	ND	8.9	1	B2C1325	03/23/2022	03/23/22 12:30	
Methylene chloride	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
MTBE	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
n-Butylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
n-Propylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Naphthalene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
o-Xylene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
sec-Butylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Styrene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
tert-Amyl methyl ether	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
tert-Butanol	ND	89	1	B2C1325	03/23/2022	03/23/22 12:30	
tert-Butylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Tetrachloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Toluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Trichloroethene	**8.8**	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Trichlorofluoromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Vinyl acetate	ND	45	1	B2C1325	03/23/2022	03/23/22 12:30	
Vinyl chloride	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Surrogate: 1,2-Dichloroethane-d4	*177 %*	*66 - 200*		B2C1325	03/23/2022	*03/23/22 12:30*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*50 - 146*		B2C1325	03/23/2022	*03/23/22 12:30*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-3-5.5
Lab ID: 2200428-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*117 %*	*77 - 159*		B2C1325	03/23/2022	*03/23/22 12:30*	
Surrogate: Toluene-d8	*111 %*	*81 - 128*		B2C1325	03/23/2022	*03/23/22 12:30*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1453	03/29/2022	03/29/22 22:17	
Surrogate: 4-Bromofluorobenzene	*93.9 %*	*47.6 - 121.18*		B2C1453	03/29/2022	*03/29/22 22:17*	

Client Sample ID: 61W-17A-1-1
Lab ID: 2200428-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Arsenic	**1.6**	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Barium	**140**	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Beryllium	**3.3**	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Chromium	**18**	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Cobalt	**6.7**	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Copper	**16**	2.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Lead	**3.5**	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Nickel	**8.0**	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Selenium	**2.6**	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Silver	**7.1**	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Vanadium	**32**	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Zinc	**50**	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-1-5.5
Lab ID: 2200428-04

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 03:32	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 03:32	
Surrogate: p-Terphenyl	*117 %*	*62 - 141*		B2C1324	03/22/2022	*03/26/22 03:32*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,1,1-Trichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,1,2-Trichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,1-Dichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,1-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,1-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2,3-Trichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2-Dibromoethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2-Dichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,3-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,3-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,4-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
2,2-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
2-Chlorotoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
4-Chlorotoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
4-Isopropyltoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Benzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Bromobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Bromochloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Bromodichloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Bromoform	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Bromomethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Carbon disulfide	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-1-5.5

Lab ID: 2200428-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Chlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Chloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Chloroform	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Chloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Di-isopropyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Dibromochloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Dibromomethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Dichlorodifluoromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Ethyl Acetate	ND	43	1	B2C1325	03/23/2022	03/23/22 12:55	
Ethyl Ether	ND	43	1	B2C1325	03/23/2022	03/23/22 12:55	
Ethyl tert-butyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Ethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Freon-113	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Hexachlorobutadiene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Isopropylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
m,p-Xylene	ND	8.6	1	B2C1325	03/23/2022	03/23/22 12:55	
Methylene chloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
MTBE	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
n-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
n-Propylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Naphthalene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
o-Xylene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
sec-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Styrene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
tert-Amyl methyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
tert-Butanol	ND	86	1	B2C1325	03/23/2022	03/23/22 12:55	
tert-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Tetrachloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Toluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Trichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Trichlorofluoromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Vinyl acetate	ND	43	1	B2C1325	03/23/2022	03/23/22 12:55	
Vinyl chloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Surrogate: 1,2-Dichloroethane-d4	*146 %*	*66 - 200*		B2C1325	03/23/2022	*03/23/22 12:55*	
Surrogate: 4-Bromofluorobenzene	*98.5 %*	*50 - 146*		B2C1325	03/23/2022	*03/23/22 12:55*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-1-5.5
Lab ID: 2200428-04

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*102 %*	*77 - 159*		B2C1325	03/23/2022	*03/23/22 12:55*	
Surrogate: Toluene-d8	*108 %*	*81 - 128*		B2C1325	03/23/2022	*03/23/22 12:55*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.90	1	B2C1453	03/29/2022	03/29/22 22:41	
Surrogate: 4-Bromofluorobenzene	*78.7 %*	*47.6 - 121.18*		B2C1453	03/29/2022	*03/29/22 22:41*	

Client Sample ID: 61W-17A-1-10
Lab ID: 2200428-05

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Arsenic	**2.0**	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Barium	**110**	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Beryllium	**2.8**	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Chromium	**17**	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Cobalt	**5.1**	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Copper	**13**	2.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Lead	**3.9**	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Molybdenum	**1.9**	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Nickel	**5.5**	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Selenium	**2.3**	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Silver	**5.9**	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Vanadium	**26**	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Zinc	**39**	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-2-1

Lab ID: 2200428-07

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Arsenic	**2.0**	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Barium	**100**	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Beryllium	**2.7**	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Chromium	**14**	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Cobalt	**5.0**	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Copper	**12**	2.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Lead	**3.6**	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Nickel	**5.9**	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Selenium	**2.8**	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Silver	**5.7**	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Vanadium	**27**	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Zinc	**40**	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-2-5.5

Lab ID: 2200428-08

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 03:50	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 03:50	
Surrogate: p-Terphenyl	*105 %*	*62 - 141*		B2C1324	03/22/2022	*03/26/22 03:50*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,1,1-Trichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,1,2-Trichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,1-Dichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,1-Dichloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,1-Dichloropropene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2,3-Trichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2-Dibromo-3-chloropropane	ND	9.0	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2-Dibromoethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2-Dichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2-Dichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2-Dichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,3-Dichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,3-Dichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,4-Dichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
2,2-Dichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
2-Chlorotoluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
4-Chlorotoluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
4-Isopropyltoluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Benzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Bromobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Bromochloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Bromodichloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Bromoform	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Bromomethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Carbon disulfide	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-2-5.5

Lab ID: 2200428-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Chlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Chloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Chloroform	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Chloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Di-isopropyl ether	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Dibromochloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Dibromomethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Dichlorodifluoromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Ethyl Acetate	ND	45	1	B2C1325	03/23/2022	03/23/22 13:21	
Ethyl Ether	ND	45	1	B2C1325	03/23/2022	03/23/22 13:21	
Ethyl tert-butyl ether	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Ethylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Freon-113	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Hexachlorobutadiene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Isopropylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
m,p-Xylene	ND	9.0	1	B2C1325	03/23/2022	03/23/22 13:21	
Methylene chloride	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
MTBE	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
n-Butylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
n-Propylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Naphthalene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
o-Xylene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
sec-Butylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Styrene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
tert-Amyl methyl ether	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
tert-Butanol	ND	90	1	B2C1325	03/23/2022	03/23/22 13:21	
tert-Butylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Tetrachloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Toluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Trichloroethene	**4.9**	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Trichlorofluoromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Vinyl acetate	ND	45	1	B2C1325	03/23/2022	03/23/22 13:21	
Vinyl chloride	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Surrogate: 1,2-Dichloroethane-d4	*176 %*	*66 - 200*		B2C1325	03/23/2022	*03/23/22 13:21*	
Surrogate: 4-Bromofluorobenzene	*106 %*	*50 - 146*		B2C1325	03/23/2022	*03/23/22 13:21*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-2-5.5
Lab ID: 2200428-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*113 %*	*77 - 159*		B2C1325	03/23/2022	*03/23/22 13:21*	
Surrogate: Toluene-d8	*114 %*	*81 - 128*		B2C1325	03/23/2022	*03/23/22 13:21*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1453	03/29/2022	03/29/22 23:06	
Surrogate: 4-Bromofluorobenzene	*88.7 %*	*47.6 - 121.18*		B2C1453	03/29/2022	*03/29/22 23:06*	

Client Sample ID: 61W-17A-4-1
Lab ID: 2200428-09

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Arsenic	**2.7**	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Barium	**120**	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Beryllium	**3.2**	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Chromium	**17**	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Cobalt	**6.1**	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Copper	**13**	2.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Lead	**3.8**	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Nickel	**6.4**	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Selenium	**2.5**	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Silver	**6.7**	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Vanadium	**33**	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Zinc	**40**	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-4-5.5
Lab ID: 2200428-10

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 04:10	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 04:10	
Surrogate: p-Terphenyl	*98.2 %*	*62 - 141*		B2C1324	03/22/2022	*03/26/22 04:10*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,1,1-Trichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,1,2-Trichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,1-Dichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,1-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,1-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,2,3-Trichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1325	03/23/2022	03/23/22 13:47	
1,2-Dibromoethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,2-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,2-Dichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,2-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,3-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,3-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
1,4-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
2,2-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
2-Chlorotoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
4-Chlorotoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
4-Isopropyltoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Benzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Bromobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Bromochloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Bromodichloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Bromoform	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Bromomethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Carbon disulfide	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-4-5.5

Lab ID: 2200428-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Chlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Chloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Chloroform	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Chloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Di-isopropyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Dibromochloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Dibromomethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Dichlorodifluoromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Ethyl Acetate	ND	43	1	B2C1325	03/23/2022	03/23/22 13:47	
Ethyl Ether	ND	43	1	B2C1325	03/23/2022	03/23/22 13:47	
Ethyl tert-butyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Ethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Freon-113	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Hexachlorobutadiene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Isopropylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
m,p-Xylene	ND	8.6	1	B2C1325	03/23/2022	03/23/22 13:47	
Methylene chloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
MTBE	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
n-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
n-Propylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Naphthalene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
o-Xylene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
sec-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Styrene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
tert-Amyl methyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
tert-Butanol	ND	86	1	B2C1325	03/23/2022	03/23/22 13:47	
tert-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Tetrachloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Toluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Trichloroethene	**7.1**	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Trichlorofluoromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Vinyl acetate	ND	43	1	B2C1325	03/23/2022	03/23/22 13:47	
Vinyl chloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Surrogate: 1,2-Dichloroethane-d4	*174 %*	*66 - 200*		B2C1325	03/23/2022	*03/23/22 13:47*	
Surrogate: 4-Bromofluorobenzene	*105 %*	*50 - 146*		B2C1325	03/23/2022	*03/23/22 13:47*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-4-5.5
Lab ID: 2200428-10

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*118 %*		*77 - 159*		B2C1325	03/23/2022	*03/23/22 13:47*	
Surrogate: Toluene-d8	*110 %*		*81 - 128*		B2C1325	03/23/2022	*03/23/22 13:47*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.87	1	B2C1453	03/29/2022	03/29/22 23:30	
Surrogate: 4-Bromofluorobenzene	*93.4 %*		*47.6 - 121.18*		B2C1453	03/29/2022	*03/29/22 23:30*	

Client Sample ID: 61W-17A-5-1
Lab ID: 2200428-11

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Arsenic	**1.1**	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Barium	**110**	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Beryllium	**2.5**	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Chromium	**14**	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Cobalt	**5.1**	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Copper	**12**	2.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Lead	**2.8**	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Nickel	**6.2**	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Selenium	**2.9**	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Silver	**5.4**	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Vanadium	**26**	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Zinc	**39**	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-5-5.5
Lab ID: 2200428-12

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 04:28	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 04:28	
Surrogate: p-Terphenyl	*101 %*	*62 - 141*		B2C1324	03/22/2022	*03/26/22 04:28*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,1,1-Trichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,1,2-Trichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,1-Dichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,1-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,1-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2,3-Trichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2-Dibromo-3-chloropropane	ND	8.5	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2-Dibromoethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2-Dichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,3-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,3-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,4-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
2,2-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
2-Chlorotoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
4-Chlorotoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
4-Isopropyltoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Benzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Bromobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Bromochloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Bromodichloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Bromoform	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Bromomethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Carbon disulfide	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-5-5.5

Lab ID: 2200428-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Chlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Chloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Chloroform	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Chloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Di-isopropyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Dibromochloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Dibromomethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Dichlorodifluoromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Ethyl Acetate	ND	43	1	B2C1325	03/23/2022	03/23/22 14:12	
Ethyl Ether	ND	43	1	B2C1325	03/23/2022	03/23/22 14:12	
Ethyl tert-butyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Ethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Freon-113	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Hexachlorobutadiene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Isopropylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
m,p-Xylene	ND	8.5	1	B2C1325	03/23/2022	03/23/22 14:12	
Methylene chloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
MTBE	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
n-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
n-Propylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Naphthalene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
o-Xylene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
sec-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Styrene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
tert-Amyl methyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
tert-Butanol	ND	85	1	B2C1325	03/23/2022	03/23/22 14:12	
tert-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Tetrachloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Toluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Trichloroethene	**6.6**	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Trichlorofluoromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Vinyl acetate	ND	43	1	B2C1325	03/23/2022	03/23/22 14:12	
Vinyl chloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Surrogate: 1,2-Dichloroethane-d4	*159 %*	*66 - 200*		B2C1325	03/23/2022	*03/23/22 14:12*	
Surrogate: 4-Bromofluorobenzene	*98.9 %*	*50 - 146*		B2C1325	03/23/2022	*03/23/22 14:12*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-5-5.5
Lab ID: 2200428-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*109 %*	*77 - 159*		B2C1325	03/23/2022	*03/23/22 14:12*	
Surrogate: Toluene-d8	*107 %*	*81 - 128*		B2C1325	03/23/2022	*03/23/22 14:12*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.84	1	B2C1453	03/29/2022	03/29/22 23:55	
Surrogate: 4-Bromofluorobenzene	*89.4 %*	*47.6 - 121.18*		B2C1453	03/29/2022	*03/29/22 23:55*	

Client Sample ID: 61W-17A-6-1
Lab ID: 2200428-13

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Arsenic	**1.7**	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Barium	**84**	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Beryllium	**2.4**	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Chromium	**12**	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Cobalt	**4.4**	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Copper	**7.5**	2.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Lead	**2.8**	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Nickel	**5.5**	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Selenium	**2.4**	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Silver	**5.1**	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Vanadium	**23**	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Zinc	**34**	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-6-5.5

Lab ID: 2200428-14

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 04:47	
C23-C32	**14**	10	1	B2C1324	03/22/2022	03/26/22 04:47	
Surrogate: p-Terphenyl	*98.3 %*	*62 - 141*		B2C1324	03/22/2022	*03/26/22 04:47*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,1,1-Trichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,1,2-Trichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,1-Dichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,1-Dichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,1-Dichloropropene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2,3-Trichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2-Dibromoethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2-Dichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2-Dichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2-Dichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,3-Dichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,3-Dichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,4-Dichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
2,2-Dichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
2-Chlorotoluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
4-Chlorotoluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
4-Isopropyltoluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Benzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Bromobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Bromochloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Bromodichloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Bromoform	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Bromomethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Carbon disulfide	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-6-5.5

Lab ID: 2200428-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Chlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Chloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Chloroform	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Chloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Di-isopropyl ether	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Dibromochloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Dibromomethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Dichlorodifluoromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Ethyl Acetate	ND	41	1	B2C1325	03/23/2022	03/23/22 14:38	
Ethyl Ether	ND	41	1	B2C1325	03/23/2022	03/23/22 14:38	
Ethyl tert-butyl ether	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Ethylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Freon-113	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Hexachlorobutadiene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Isopropylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
m,p-Xylene	ND	8.2	1	B2C1325	03/23/2022	03/23/22 14:38	
Methylene chloride	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
MTBE	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
n-Butylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
n-Propylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Naphthalene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
o-Xylene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
sec-Butylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Styrene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
tert-Amyl methyl ether	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
tert-Butanol	ND	82	1	B2C1325	03/23/2022	03/23/22 14:38	
tert-Butylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Tetrachloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Toluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Trichloroethene	**22**	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Trichlorofluoromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Vinyl acetate	ND	41	1	B2C1325	03/23/2022	03/23/22 14:38	
Vinyl chloride	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Surrogate: 1,2-Dichloroethane-d4	*157 %*	*66 - 200*		B2C1325	03/23/2022	*03/23/22 14:38*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*50 - 146*		B2C1325	03/23/2022	*03/23/22 14:38*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-6-5.5
Lab ID: 2200428-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*104 %*	*77 - 159*		B2C1325	03/23/2022	*03/23/22 14:38*	
Surrogate: Toluene-d8	*110 %*	*81 - 128*		B2C1325	03/23/2022	*03/23/22 14:38*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.85	1	B2C1453	03/30/2022	03/30/22 00:19	
Surrogate: 4-Bromofluorobenzene	*91.0 %*	*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 00:19*	

Client Sample ID: 61W-17A-7-1
Lab ID: 2200428-16

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Arsenic	**2.1**	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Barium	**100**	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Beryllium	**2.8**	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Chromium	**15**	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Cobalt	**6.8**	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Copper	**10**	2.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Lead	**3.2**	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Nickel	**6.5**	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Selenium	**2.5**	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Silver	**5.9**	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Vanadium	**28**	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Zinc	**36**	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-7-5.5

Lab ID: 2200428-17

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 05:06	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 05:06	
Surrogate: p-Terphenyl	*93.6 %*	*62 - 141*		B2C1324	03/22/2022	*03/26/22 05:06*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,1,1-Trichloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,1,2,2-Tetrachloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,1,2-Trichloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,1-Dichloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,1-Dichloroethene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,1-Dichloropropene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,2,3-Trichloropropane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,2,3-Trichlorobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,2,4-Trichlorobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,2,4-Trimethylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1325	03/23/2022	03/23/22 15:03	
1,2-Dibromoethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,2-Dichlorobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,2-Dichloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,2-Dichloropropane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,3,5-Trimethylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,3-Dichlorobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,3-Dichloropropane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
1,4-Dichlorobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
2,2-Dichloropropane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
2-Chlorotoluene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
4-Chlorotoluene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
4-Isopropyltoluene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Benzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Bromobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Bromochloromethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Bromodichloromethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Bromoform	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Bromomethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Carbon disulfide	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-7-5.5

Lab ID: 2200428-17

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Chlorobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Chloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Chloroform	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Chloromethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
cis-1,2-Dichloroethene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
cis-1,3-Dichloropropene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Di-isopropyl ether	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Dibromochloromethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Dibromomethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Dichlorodifluoromethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Ethyl Acetate	ND	54	1	B2C1325	03/23/2022	03/23/22 15:03	
Ethyl Ether	ND	54	1	B2C1325	03/23/2022	03/23/22 15:03	
Ethyl tert-butyl ether	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Ethylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Freon-113	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Hexachlorobutadiene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Isopropylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
m,p-Xylene	ND	11	1	B2C1325	03/23/2022	03/23/22 15:03	
Methylene chloride	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
MTBE	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
n-Butylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
n-Propylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Naphthalene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
o-Xylene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
sec-Butylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Styrene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
tert-Amyl methyl ether	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
tert-Butanol	ND	110	1	B2C1325	03/23/2022	03/23/22 15:03	
tert-Butylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Tetrachloroethene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Toluene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
trans-1,2-Dichloroethene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
trans-1,3-Dichloropropene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Trichloroethene	**73**	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Trichlorofluoromethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Vinyl acetate	ND	54	1	B2C1325	03/23/2022	03/23/22 15:03	
Vinyl chloride	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Surrogate: 1,2-Dichloroethane-d4	*155 %*	*66 - 200*		B2C1325	03/23/2022	*03/23/22 15:03*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*50 - 146*		B2C1325	03/23/2022	*03/23/22 15:03*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-7-5.5
Lab ID: 2200428-17

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*111 %*	*77 - 159*		B2C1325	03/23/2022	*03/23/22 15:03*	
Surrogate: Toluene-d8	*111 %*	*81 - 128*		B2C1325	03/23/2022	*03/23/22 15:03*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C1453	03/30/2022	03/30/22 00:44	
Surrogate: 4-Bromofluorobenzene	*94.1 %*	*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 00:44*	

Client Sample ID: 61W-17A-8-1
Lab ID: 2200428-18

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Arsenic	**1.8**	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Barium	**78**	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Beryllium	**2.3**	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Chromium	**12**	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Cobalt	**4.2**	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Copper	**8.1**	2.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Lead	**3.3**	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Nickel	**5.5**	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Selenium	**2.4**	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Silver	**4.6**	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Vanadium	**22**	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Zinc	**32**	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-8-5.5
Lab ID: 2200428-19

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 05:24	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 05:24	
Surrogate: p-Terphenyl	*103 %*	*62 - 141*		B2C1324	03/22/2022	*03/26/22 05:24*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,1,1-Trichloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,1,2-Trichloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,1-Dichloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,1-Dichloroethene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,1-Dichloropropene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2,3-Trichloropropane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2-Dibromo-3-chloropropane	ND	9.2	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2-Dibromoethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2-Dichlorobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2-Dichloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2-Dichloropropane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,3-Dichlorobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,3-Dichloropropane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,4-Dichlorobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
2,2-Dichloropropane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
2-Chlorotoluene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
4-Chlorotoluene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
4-Isopropyltoluene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Benzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Bromobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Bromochloromethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Bromodichloromethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Bromoform	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Bromomethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Carbon disulfide	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-8-5.5

Lab ID: 2200428-19

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Chlorobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Chloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Chloroform	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Chloromethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Di-isopropyl ether	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Dibromochloromethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Dibromomethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Dichlorodifluoromethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Ethyl Acetate	ND	46	1	B2C1325	03/23/2022	03/23/22 15:29	
Ethyl Ether	ND	46	1	B2C1325	03/23/2022	03/23/22 15:29	
Ethyl tert-butyl ether	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Ethylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Freon-113	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Hexachlorobutadiene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Isopropylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
m,p-Xylene	ND	9.2	1	B2C1325	03/23/2022	03/23/22 15:29	
Methylene chloride	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
MTBE	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
n-Butylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
n-Propylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Naphthalene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
o-Xylene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
sec-Butylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Styrene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
tert-Amyl methyl ether	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
tert-Butanol	ND	92	1	B2C1325	03/23/2022	03/23/22 15:29	
tert-Butylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Tetrachloroethene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Toluene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Trichloroethene	**20**	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Trichlorofluoromethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Vinyl acetate	ND	46	1	B2C1325	03/23/2022	03/23/22 15:29	
Vinyl chloride	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Surrogate: 1,2-Dichloroethane-d4	*176 %*	*66 - 200*		B2C1325	03/23/2022	*03/23/22 15:29*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*50 - 146*		B2C1325	03/23/2022	*03/23/22 15:29*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-17A-8-5.5
Lab ID: 2200428-19

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*117 %*	*77 - 159*		B2C1325	03/23/2022	*03/23/22 15:29*	
Surrogate: Toluene-d8	*113 %*	*81 - 128*		B2C1325	03/23/2022	*03/23/22 15:29*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1453	03/30/2022	03/30/22 01:08	
Surrogate: 4-Bromofluorobenzene	*95.1 %*	*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 01:08*	

Client Sample ID: 61W-43-1-1
Lab ID: 2200428-20

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Arsenic	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Barium	**93**	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Beryllium	**1.9**	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Chromium	**12**	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Cobalt	**4.6**	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Copper	**9.4**	2.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Lead	**2.4**	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Nickel	**5.2**	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Selenium	**2.0**	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Silver	**3.8**	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Vanadium	**19**	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Zinc	**32**	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	

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Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-43-1-5.5

Lab ID: 2200428-21

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 05:42	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 05:42	
Surrogate: p-Terphenyl	*92.7 %*	*62 - 141*		B2C1324	03/22/2022	*03/26/22 05:42*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,1,1-Trichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,1,2-Trichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,1-Dichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,1-Dichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,1-Dichloropropene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,2,3-Trichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1325	03/23/2022	03/23/22 15:55	
1,2-Dibromoethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,2-Dichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,2-Dichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,2-Dichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,3-Dichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,3-Dichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
1,4-Dichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
2,2-Dichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
2-Chlorotoluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
4-Chlorotoluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
4-Isopropyltoluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Benzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Bromobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Bromochloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Bromodichloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Bromoform	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Bromomethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Carbon disulfide	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	

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Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-43-1-5.5

Lab ID: 2200428-21

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Chlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Chloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Chloroform	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Chloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Di-isopropyl ether	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Dibromochloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Dibromomethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Dichlorodifluoromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Ethyl Acetate	ND	41	1	B2C1325	03/23/2022	03/23/22 15:55	
Ethyl Ether	ND	41	1	B2C1325	03/23/2022	03/23/22 15:55	
Ethyl tert-butyl ether	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Ethylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Freon-113	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Hexachlorobutadiene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Isopropylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
m,p-Xylene	ND	8.2	1	B2C1325	03/23/2022	03/23/22 15:55	
Methylene chloride	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
MTBE	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
n-Butylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
n-Propylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Naphthalene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
o-Xylene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
sec-Butylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Styrene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
tert-Amyl methyl ether	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
tert-Butanol	ND	82	1	B2C1325	03/23/2022	03/23/22 15:55	
tert-Butylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Tetrachloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Toluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Trichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Trichlorofluoromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Vinyl acetate	ND	41	1	B2C1325	03/23/2022	03/23/22 15:55	
Vinyl chloride	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Surrogate: 1,2-Dichloroethane-d4	*164 %*	*66 - 200*		B2C1325	03/23/2022	*03/23/22 15:55*	
Surrogate: 4-Bromofluorobenzene	*105 %*	*50 - 146*		B2C1325	03/23/2022	*03/23/22 15:55*	

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Client Sample ID: 61W-43-1-5.5

Lab ID: 2200428-21

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*112 %*		*77 - 159*		B2C1325	03/23/2022	*03/23/22 15:55*	
Surrogate: Toluene-d8	*111 %*		*81 - 128*		B2C1325	03/23/2022	*03/23/22 15:55*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.79	1	B2C1453	03/30/2022	03/30/22 01:32	
Surrogate: 4-Bromofluorobenzene	*92.4 %*		*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 01:32*	

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QUALITY CONTROL SECTION

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1453 - GCVOA_S										
Blank (B2C1453-BLK1)						Prepared: 3/29/2022 Analyzed: 3/29/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6373*			*0.800000*		*79.7*	*47.6 - 121.18*			
LCS (B2C1453-BS1)						Prepared: 3/29/2022 Analyzed: 3/29/2022				
Gasoline Range Organics	5.72400	1.0	0.13	5.00000		114	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7454*			*0.800000*		*93.2*	*47.6 - 121.18*			
LCS Dup (B2C1453-BSD1)						Prepared: 3/29/2022 Analyzed: 3/29/2022				
Gasoline Range Organics	5.75300	1.0	0.13	5.00000		115	68.69 - 124.04	0.505	20	
Surrogate: 4-Bromofluorobenzene	*0.7309*			*0.800000*		*91.4*	*47.6 - 121.18*			

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Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1372 - EPA 3050B_S										
Blank (B2C1372-BLK1)						Prepared: 3/24/2022 Analyzed: 3/25/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1372-BS1)						Prepared: 3/24/2022 Analyzed: 3/25/2022				
Antimony	24.8063	2.0	0.51	25.0000		99.2	80 - 120			
Arsenic	25.2936	1.0	0.12	25.0000		101	80 - 120			
Barium	25.1632	1.0	0.12	25.0000		101	80 - 120			
Beryllium	25.0314	1.0	0.03	25.0100		100	80 - 120			
Cadmium	25.8212	1.0	0.14	25.0000		103	80 - 120			
Chromium	25.1029	1.0	0.26	25.0000		100	80 - 120			
Cobalt	23.9986	1.0	0.07	25.0000		96.0	80 - 120			
Copper	25.0194	2.0	0.19	25.0000		100	80 - 120			
Lead	27.0439	1.0	0.18	25.0000		108	80 - 120			
Molybdenum	26.1823	1.0	0.12	25.0000		105	80 - 120			
Nickel	24.7949	1.0	0.18	25.0000		99.2	80 - 120			
Selenium	26.3406	1.0	0.40	25.0000		105	80 - 120			
Silver	12.8261	1.0	0.12	12.5000		103	80 - 120			
Thallium	25.0943	1.0	0.38	25.0000		100	80 - 120			
Vanadium	23.4430	1.0	0.06	25.0000		93.8	80 - 120			
Zinc	27.0750	1.0	0.15	25.0000		108	80 - 120			
Matrix Spike (B2C1372-MS1)			**Source: 2200427-01**			Prepared: 3/24/2022 Analyzed: 3/25/2022				
Antimony	10.5782	2.0	0.51	25.0000	6.28460	17.2	0 - 102			
Arsenic	63.4553	1.0	0.12	25.0000	31.4828	128	55 - 117			M2
Barium	453.237	1.0	0.12	25.0000	344.540	435	11 - 177			M2
Beryllium	20.0652	1.0	0.03	25.0100	2.87909	68.7	64 - 115			
Cadmium	27.0155	1.0	0.14	25.0000	3.66358	93.4	62 - 116			
Chromium	72.2356	1.0	0.26	25.0000	46.7479	102	42 - 145			
Cobalt	48.9076	1.0	0.07	25.0000	23.7172	101	60 - 126			
Copper	2154.32	20	1.9	25.0000	1943.98	841	37 - 163			M2
Lead	28.9810	1.0	0.18	25.0000	16.1810	51.2	26 - 161			

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Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1372 - EPA 3050B_S (continued)										
Matrix Spike (B2C1372-MS1) - Continued			**Source: 2200427-01**			Prepared: 3/24/2022 Analyzed: 3/25/2022				
Molybdenum	17.0920	1.0	0.12	25.0000	1.88536	60.8	31 - 122			
Nickel	34.4945	1.0	0.18	25.0000	19.9829	58.0	52 - 130			
Selenium	43.4645	1.0	0.40	25.0000	6.25446	149	25 - 129			M2
Silver	22.5313	1.0	0.12	12.5000	7.21625	123	48 - 133			
Thallium	14.2682	1.0	0.38	25.0000	ND	57.1	25 - 119			
Vanadium	93.9807	1.0	0.06	25.0000	61.9914	128	51 - 141			
Zinc	373.718	1.0	0.15	25.0000	300.758	292	8 - 170			M2
Matrix Spike Dup (B2C1372-MSD1)			**Source: 2200427-01**			Prepared: 3/24/2022 Analyzed: 3/25/2022				
Antimony	9.78882	2.0	0.51	25.0000	6.28460	14.0	0 - 102	7.75	20	
Arsenic	63.0550	1.0	0.12	25.0000	31.4828	126	55 - 117	0.633	20	M2
Barium	443.924	1.0	0.12	25.0000	344.540	398	11 - 177	2.08	20	M2
Beryllium	19.7044	1.0	0.03	25.0100	2.87909	67.3	64 - 115	1.81	20	
Cadmium	26.9181	1.0	0.14	25.0000	3.66358	93.0	62 - 116	0.361	20	
Chromium	70.8262	1.0	0.26	25.0000	46.7479	96.3	42 - 145	1.97	20	
Cobalt	48.6995	1.0	0.07	25.0000	23.7172	99.9	60 - 126	0.427	20	
Copper	2029.53	20	1.9	25.0000	1943.98	342	37 - 163	5.97	20	M2
Lead	28.0236	1.0	0.18	25.0000	16.1810	47.4	26 - 161	3.36	20	
Molybdenum	16.6594	1.0	0.12	25.0000	1.88536	59.1	31 - 122	2.56	20	
Nickel	33.1605	1.0	0.18	25.0000	19.9829	52.7	52 - 130	3.94	20	
Selenium	43.0191	1.0	0.40	25.0000	6.25446	147	25 - 129	1.03	20	M2
Silver	21.9074	1.0	0.12	12.5000	7.21625	118	48 - 133	2.81	20	
Thallium	13.9322	1.0	0.38	25.0000	ND	55.7	25 - 119	2.38	20	
Vanadium	92.9219	1.0	0.06	25.0000	61.9914	124	51 - 141	1.13	20	
Zinc	347.137	1.0	0.15	25.0000	300.758	186	8 - 170	7.37	20	M2

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Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1345 - EPA 7471_S										
Blank (B2C1345-BLK1)						Prepared: 3/23/2022 Analyzed: 3/25/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1345-BS1)						Prepared: 3/23/2022 Analyzed: 3/25/2022				
Mercury	0.418616	0.10	0.01	0.416667		100	80 - 120			
Matrix Spike (B2C1345-MS1)			**Source: 2200428-01**			Prepared: 3/23/2022 Analyzed: 3/25/2022				
Mercury	0.429584	0.10	0.01	0.416667	0.055748	89.7	70 - 130			
Matrix Spike Dup (B2C1345-MSD1)			**Source: 2200428-01**			Prepared: 3/23/2022 Analyzed: 3/25/2022				
Mercury	0.435436	0.10	0.01	0.416667	0.055748	91.1	70 - 130	1.35	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1345 - EPA 7471_S									
Post Spike (B2C1345-PS1)			**Source: 2200428-01**		Prepared: 3/23/2022 Analyzed: 3/25/2022				
Mercury	0.005276		5.00000E-3	0.000669	92.1	85 - 115			

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Irvine , CA 92612	Reported : 05/12/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1324 - GCSEMI_DRO_S										
Blank (B2C1324-BLK1)						Prepared: 3/22/2022 Analyzed: 3/25/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*68.40*			*80.0000*		*85.5*	*62 - 141*			
LCS (B2C1324-BS1)						Prepared: 3/22/2022 Analyzed: 3/25/2022				
DRO	911.091	10	3.6	1000.00		91.1	56 - 139			
Surrogate: p-Terphenyl	*75.04*			*80.0000*		*93.8*	*62 - 141*			
Matrix Spike (B2C1324-MS1)			**Source: 2200416-05**			Prepared: 3/22/2022 Analyzed: 3/25/2022				
DRO	821.299	10	3.6	1000.00	ND	82.1	38 - 161			
Surrogate: p-Terphenyl	*89.06*			*80.0000*		*111*	*62 - 141*			
Matrix Spike Dup (B2C1324-MSD1)			**Source: 2200416-05**			Prepared: 3/22/2022 Analyzed: 3/26/2022				
DRO	868.978	10	3.6	1000.00	ND	86.9	38 - 161	5.64	20	
Surrogate: p-Terphenyl	*92.16*			*80.0000*		*115*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1325 - MSVOA_S										
Blank (B2C1325-BLK1)							Prepared: 3/23/2022 Analyzed: 3/23/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1325 - MSVOA_S (continued)										
Blank (B2C1325-BLK1) - Continued						Prepared: 3/23/2022 Analyzed: 3/23/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*70.94*			*50.0000*		*142*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.48*			*50.0000*		*103*	*50 - 146*			
Surrogate: Dibromofluoromethane	*52.80*			*50.0000*		*106*	*77 - 159*			
Surrogate: Toluene-d8	*54.84*			*50.0000*		*110*	*81 - 128*			
LCS (B2C1325-BS1)						Prepared: 3/23/2022 Analyzed: 3/23/2022				
1,1,1,2-Tetrachloroethane	48.7300	5.0	0.52	50.0000		97.5	84 - 123			
1,1,1-Trichloroethane	69.8700	5.0	0.26	50.0000		140	78 - 133			L4
1,1,2,2-Tetrachloroethane	40.8900	5.0	0.21	50.0000		81.8	63 - 127			
1,1,2-Trichloroethane	47.0900	5.0	0.40	50.0000		94.2	80 - 125			
1,1-Dichloroethane	52.1300	5.0	1.4	50.0000		104	77 - 128			
1,1-Dichloroethene	50.6800	5.0	1.9	50.0000		101	69 - 138			
1,1-Dichloropropene	49.5900	5.0	0.54	50.0000		99.2	80 - 133			
1,2,3-Trichloropropane	44.2200	5.0	0.40	50.0000		88.4	74 - 123			
1,2,3-Trichlorobenzene	47.2600	5.0	0.83	50.0000		94.5	79 - 133			
1,2,4-Trichlorobenzene	47.0300	5.0	0.80	50.0000		94.1	73 - 131			
1,2,4-Trimethylbenzene	48.1000	5.0	0.91	50.0000		96.2	86 - 137			
1,2-Dibromo-3-chloropropane	56.8600	10	1.1	50.0000		114	62 - 127			
1,2-Dibromoethane	45.2200	5.0	0.40	50.0000		90.4	83 - 126			
1,2-Dichlorobenzene	43.4400	5.0	0.21	50.0000		86.9	83 - 123			
1,2-Dichloroethane	69.1200	5.0	0.50	50.0000		138	76 - 128			L5

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1325 - MSVOA_S (continued)										
LCS (B2C1325-BS1) - Continued						Prepared: 3/23/2022 Analyzed: 3/23/2022				
1,2-Dichloropropane	46.0500	5.0	0.46	50.0000		92.1	77 - 121			
1,3,5-Trimethylbenzene	47.0400	5.0	0.70	50.0000		94.1	84 - 135			
1,3-Dichlorobenzene	43.2500	5.0	0.36	50.0000		86.5	81 - 126			
1,3-Dichloropropane	44.4200	5.0	0.49	50.0000		88.8	80 - 118			
1,4-Dichlorobenzene	43.0700	5.0	0.27	50.0000		86.1	80 - 124			
2,2-Dichloropropane	62.9500	5.0	0.28	50.0000		126	72 - 135			
2-Chlorotoluene	48.6900	5.0	0.53	50.0000		97.4	81 - 127			
4-Chlorotoluene	51.2000	5.0	0.40	50.0000		102	83 - 127			
4-Isopropyltoluene	47.3400	5.0	0.81	50.0000		94.7	82 - 143			
Benzene	50.4100	5.0	0.36	50.0000		101	84 - 123			
Bromobenzene	43.3300	5.0	0.62	50.0000		86.7	80 - 122			
Bromochloromethane	49.8500	5.0	0.30	50.0000		99.7	83 - 127			
Bromodichloromethane	58.4200	5.0	0.52	50.0000		117	82 - 123			
Bromoform	51.5400	5.0	1.4	50.0000		103	80 - 132			
Bromomethane	63.3100	5.0	2.5	50.0000		127	67 - 176			
Carbon disulfide	43.3000	5.0	0.94	50.0000		86.6	75 - 138			
Carbon tetrachloride	70.0100	5.0	0.73	50.0000		140	76 - 131			L4
Chlorobenzene	45.8300	5.0	0.42	50.0000		91.7	84 - 119			
Chloroethane	53.0500	5.0	1.5	50.0000		106	56 - 170			
Chloroform	57.2300	5.0	0.24	50.0000		114	78 - 129			
Chloromethane	39.0100	5.0	1.1	50.0000		78.0	63 - 141			
cis-1,2-Dichloroethene	69.2400	5.0	0.20	50.0000		138	83 - 125			L5
cis-1,3-Dichloropropene	48.8900	5.0	0.39	50.0000		97.8	76 - 129			
Di-isopropyl ether	43.8600	5.0	1.9	50.0000		87.7	73 - 132			
Dibromochloromethane	49.0900	5.0	0.81	50.0000		98.2	81 - 120			
Dibromomethane	53.6500	5.0	0.23	50.0000		107	79 - 124			
Dichlorodifluoromethane	51.0500	5.0	0.14	50.0000		102	18 - 199			
Ethyl Acetate	46.4500	50	7.0	500.000		9.29	76 - 138			MO
Ethyl Ether	536.630	50	17	500.000		107	74 - 128			
Ethyl tert-butyl ether	48.3500	5.0	0.85	50.0000		96.7	50 - 175			
Ethylbenzene	50.4600	5.0	0.43	50.0000		101	86 - 130			
Freon-113	53.0200	5.0	1.3	50.0000		106	66 - 132			
Hexachlorobutadiene	54.9500	5.0	0.40	50.0000		110	64 - 135			
Isopropylbenzene	46.6800	5.0	0.79	50.0000		93.4	80 - 133			
m,p-Xylene	103.050	10	0.98	100.000		103	89 - 133			
Methylene chloride	45.5800	5.0	2.2	50.0000		91.2	72 - 143			
MTBE	49.1100	5.0	0.81	50.0000		98.2	73 - 136			
n-Butylbenzene	49.2200	5.0	1.2	50.0000		98.4	76 - 144			
n-Propylbenzene	47.7300	5.0	0.78	50.0000		95.5	81 - 136			
Naphthalene	37.1700	5.0	1.1	50.0000		74.3	64 - 128			
o-Xylene	50.9400	5.0	0.67	50.0000		102	82 - 134			
sec-Butylbenzene	46.1400	5.0	0.63	50.0000		92.3	81 - 138			
Styrene	44.0500	5.0	0.45	50.0000		88.1	79 - 152			
tert-Amyl methyl ether	47.7300	5.0	1.1	50.0000		95.5	48 - 166			
tert-Butanol	217.470	100	11	250.000		87.0	48 - 148			

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1325 - MSVOA_S (continued)										
LCS (B2C1325-BS1) - Continued						Prepared: 3/23/2022 Analyzed: 3/23/2022				
tert-Butylbenzene	47.5200	5.0	0.80	50.0000		95.0	81 - 135			
Tetrachloroethene	50.2800	5.0	0.31	50.0000		101	75 - 127			
Toluene	51.6900	5.0	0.27	50.0000		103	88 - 130			
trans-1,2-Dichloroethene	41.0800	5.0	0.56	50.0000		82.2	79 - 127			
trans-1,3-Dichloropropene	52.3100	5.0	0.59	50.0000		105	80 - 130			
Trichloroethene	51.3400	5.0	0.32	50.0000		103	83 - 126			
Trichlorofluoromethane	73.2700	5.0	1.0	50.0000		147	62 - 143			L4
Vinyl acetate	116.880	50	6.0	500.000		23.4	69 - 150			MO
Vinyl chloride	48.4100	5.0	0.92	50.0000		96.8	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*74.40*			*50.0000*		*149*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*55.74*			*50.0000*		*111*	*50 - 146*			
Surrogate: Dibromofluoromethane	*56.49*			*50.0000*		*113*	*77 - 159*			
Surrogate: Toluene-d8	*57.42*			*50.0000*		*115*	*81 - 128*			
LCS Dup (B2C1325-BSD1)						Prepared: 3/23/2022 Analyzed: 3/23/2022				
1,1,1,2-Tetrachloroethane	50.5400	5.0	0.52	50.0000		101	84 - 123	3.65	20	
1,1,1-Trichloroethane	67.7300	5.0	0.26	50.0000		135	78 - 133	3.11	20	L4
1,1,2,2-Tetrachloroethane	43.0700	5.0	0.21	50.0000		86.1	63 - 127	5.19	20	
1,1,2-Trichloroethane	45.9500	5.0	0.40	50.0000		91.9	80 - 125	2.45	20	
1,1-Dichloroethane	52.5200	5.0	1.4	50.0000		105	77 - 128	0.745	20	
1,1-Dichloroethene	49.7600	5.0	1.9	50.0000		99.5	69 - 138	1.83	20	
1,1-Dichloropropene	46.3100	5.0	0.54	50.0000		92.6	80 - 133	6.84	20	
1,2,3-Trichloropropane	47.5700	5.0	0.40	50.0000		95.1	74 - 123	7.30	20	
1,2,3-Trichlorobenzene	45.8400	5.0	0.83	50.0000		91.7	79 - 133	3.05	20	
1,2,4-Trichlorobenzene	45.7400	5.0	0.80	50.0000		91.5	73 - 131	2.78	20	
1,2,4-Trimethylbenzene	46.3000	5.0	0.91	50.0000		92.6	86 - 137	3.81	20	
1,2-Dibromo-3-chloropropane	59.3800	10	1.1	50.0000		119	62 - 127	4.34	20	
1,2-Dibromoethane	47.7800	5.0	0.40	50.0000		95.6	83 - 126	5.51	20	
1,2-Dichlorobenzene	45.0200	5.0	0.21	50.0000		90.0	83 - 123	3.57	20	
1,2-Dichloroethane	69.2400	5.0	0.50	50.0000		138	76 - 128	0.173	20	L5
1,2-Dichloropropane	46.3400	5.0	0.46	50.0000		92.7	77 - 121	0.628	20	
1,3,5-Trimethylbenzene	46.1700	5.0	0.70	50.0000		92.3	84 - 135	1.87	20	
1,3-Dichlorobenzene	42.3400	5.0	0.36	50.0000		84.7	81 - 126	2.13	20	
1,3-Dichloropropane	45.2600	5.0	0.49	50.0000		90.5	80 - 118	1.87	20	
1,4-Dichlorobenzene	43.7300	5.0	0.27	50.0000		87.5	80 - 124	1.52	20	
2,2-Dichloropropane	61.0400	5.0	0.28	50.0000		122	72 - 135	3.08	20	
2-Chlorotoluene	49.2400	5.0	0.53	50.0000		98.5	81 - 127	1.12	20	
4-Chlorotoluene	50.7600	5.0	0.40	50.0000		102	83 - 127	0.863	20	
4-Isopropyltoluene	46.8400	5.0	0.81	50.0000		93.7	82 - 143	1.06	20	
Benzene	48.1300	5.0	0.36	50.0000		96.3	84 - 123	4.63	20	
Bromobenzene	44.3000	5.0	0.62	50.0000		88.6	80 - 122	2.21	20	
Bromochloromethane	51.8100	5.0	0.30	50.0000		104	83 - 127	3.86	20	
Bromodichloromethane	57.0300	5.0	0.52	50.0000		114	82 - 123	2.41	20	
Bromoform	52.9000	5.0	1.4	50.0000		106	80 - 132	2.60	20	
Bromomethane	63.1800	5.0	2.5	50.0000		126	67 - 176	0.206	20	

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1325 - MSVOA_S (continued)										
LCS Dup (B2C1325-BSD1) - Continued					Prepared: 3/23/2022 Analyzed: 3/23/2022					
Carbon disulfide	43.2700	5.0	0.94	50.0000		86.5	75 - 138	0.0693	20	
Carbon tetrachloride	65.6600	5.0	0.73	50.0000		131	76 - 131	6.41	20	L4
Chlorobenzene	44.6800	5.0	0.42	50.0000		89.4	84 - 119	2.54	20	
Chloroethane	54.2900	5.0	1.5	50.0000		109	56 - 170	2.31	20	
Chloroform	57.1300	5.0	0.24	50.0000		114	78 - 129	0.175	20	
Chloromethane	39.5400	5.0	1.1	50.0000		79.1	63 - 141	1.35	20	
cis-1,2-Dichloroethene	69.4800	5.0	0.20	50.0000		139	83 - 125	0.346	20	L5
cis-1,3-Dichloropropene	45.8700	5.0	0.39	50.0000		91.7	76 - 129	6.37	20	
Di-isopropyl ether	44.5900	5.0	1.9	50.0000		89.2	73 - 132	1.65	20	
Dibromochloromethane	50.9200	5.0	0.81	50.0000		102	81 - 120	3.66	20	
Dibromomethane	54.8500	5.0	0.23	50.0000		110	79 - 124	2.21	20	
Dichlorodifluoromethane	51.9500	5.0	0.14	50.0000		104	18 - 199	1.75	20	
Ethyl Acetate	28.1500	50	7.0	500.000		5.63	76 - 138	49.1	20	MO, R
Ethyl Ether	572.980	50	17	500.000		115	74 - 128	6.55	20	
Ethyl tert-butyl ether	51.2600	5.0	0.85	50.0000		103	50 - 175	5.84	20	
Ethylbenzene	49.8700	5.0	0.43	50.0000		99.7	86 - 130	1.18	20	
Freon-113	51.8100	5.0	1.3	50.0000		104	66 - 132	2.31	20	
Hexachlorobutadiene	53.4100	5.0	0.40	50.0000		107	64 - 135	2.84	20	
Isopropylbenzene	46.2600	5.0	0.79	50.0000		92.5	80 - 133	0.904	20	
m,p-Xylene	102.390	10	0.98	100.000		102	89 - 133	0.643	20	
Methylene chloride	47.9100	5.0	2.2	50.0000		95.8	72 - 143	4.98	20	
MTBE	51.5600	5.0	0.81	50.0000		103	73 - 136	4.87	20	
n-Butylbenzene	47.4400	5.0	1.2	50.0000		94.9	76 - 144	3.68	20	
n-Propylbenzene	47.9700	5.0	0.78	50.0000		95.9	81 - 136	0.502	20	
Naphthalene	38.1800	5.0	1.1	50.0000		76.4	64 - 128	2.68	20	
o-Xylene	52.4500	5.0	0.67	50.0000		105	82 - 134	2.92	20	
sec-Butylbenzene	45.1000	5.0	0.63	50.0000		90.2	81 - 138	2.28	20	
Styrene	43.8900	5.0	0.45	50.0000		87.8	79 - 152	0.364	20	
tert-Amyl methyl ether	50.1900	5.0	1.1	50.0000		100	48 - 166	5.02	20	
tert-Butanol	232.490	100	11	250.000		93.0	48 - 148	6.68	20	
tert-Butylbenzene	45.8700	5.0	0.80	50.0000		91.7	81 - 135	3.53	20	
Tetrachloroethene	50.9800	5.0	0.31	50.0000		102	75 - 127	1.38	20	
Toluene	52.0100	5.0	0.27	50.0000		104	88 - 130	0.617	20	
trans-1,2-Dichloroethene	38.8600	5.0	0.56	50.0000		77.7	79 - 127	5.55	20	L3
trans-1,3-Dichloropropene	50.7600	5.0	0.59	50.0000		102	80 - 130	3.01	20	
Trichloroethene	48.7000	5.0	0.32	50.0000		97.4	83 - 126	5.28	20	
Trichlorofluoromethane	72.2900	5.0	1.0	50.0000		145	62 - 143	1.35	20	L4
Vinyl acetate	107.960	50	6.0	500.000		21.6	69 - 150	7.93	20	MO
Vinyl chloride	47.5200	5.0	0.92	50.0000		95.0	69 - 140	1.86	20	
Surrogate: 1,2-Dichloroethane-d4	*73.53*			*50.0000*		*147*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*57.35*			*50.0000*		*115*	*50 - 146*			
Surrogate: Dibromofluoromethane	*56.00*			*50.0000*		*112*	*77 - 159*			
Surrogate: Toluene-d8	*56.24*			*50.0000*		*112*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/21/22

Page 1 of 2

2200428

3.0°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel
	GLOBAL ID:		SAMPLER(S): (PRINT) Tram Nguyen / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Advanced Technology Laboratories			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	61W-17A-3-1	3/21/22	0759	Soil	1	1			X									
2	61W-17A-3-5.5	"	0808	"	5	1	4			X	X	X						
3	61W-17A-1-1	"	0828	"	1	1			X									
4	61W-17A-1-5.5	"	0836	"	5	1	4			X	X	X						
5	61W-17A-1-10	"	0840	"	1	1			X									
6	61W-17A-1-15	"	0844	"	1	1												X
7	61W-17A-2-1	"	0902	"	1	1			X									
8	61W-17A-2-5.5	"	0910	"	5	1	4			X	X	X						
9	61W-17A-4-1	"	0940	"	1	1			X									
10	61W-17A-4-5.5	"	0948	"	5	1	4			X	X	X						
11	61W-17A-5-1	"	1014	"	1	1			X									
12	61W-17A-5-5.5	"	1028	"	5	1	4			X	X	X						
13	61W-17A-6-1	"	1050	"	1	1			X									
14	61W-17A-6-5.5	"	1100	"	5	1	4			X	X	X						
15	TB-20220321	"	1105	Water	4		4											X

Relinquished by: (Signature) Ethan Tran	Received by: (Signature) Ethan Tran	Date: 3/21/22	Time: 1535
Relinquished by: (Signature) Ethan Tran	Received by: (Signature) ATL	Date: 3/21/22	Time: 16:49
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

GSI ENVIRONMENTAL

CHAIN-OF-CUSTOL ECORD
Date: 3/21/22
Page 2 of 2

2200428

3.0°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tiam Navin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
16	61W-17A-7-1	3/21/22	1205	Soil	1	1			X									
17	61W-17A-7-5.5	↓	1220	↓	5	1	4			X	X	X						
18	61W-17A-8-1		1242		1	1			X									
19	61W-17A-8-5.5		1258		5	1	4			X	X	X						
20	61W-43-1-1		1335		1	1			X									
21	61W-43-1-5.5		1345	↓	5	1	4			X	X	X						
22	EB-20220321	↓	1400	Water	5	1	4											X

Relinquished by: (Signature) Ethan Tran	Received by: (Signature) Ethan Tran	Date: 3/21/22	Time: 1535
Relinquished by: (Signature)	Received by: (Signature) ATL	Date: 3/21/22	Time: 16:49
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

April 01, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200432
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 22, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 04/01/22 17:01 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

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The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-14-1	2200432-01	Soil	3/22/22 7:32	3/22/22 15:54
SV-14-5.5	2200432-02	Soil	3/22/22 7:45	3/22/22 15:54
SV-14-15	2200432-03	Soil	3/22/22 7:50	3/22/22 15:54
SV-15-1	2200432-04	Soil	3/22/22 8:28	3/22/22 15:54
SV-15-5.5	2200432-05	Soil	3/22/22 8:38	3/22/22 15:54
SV-15-15	2200432-06	Soil	3/22/22 8:44	3/22/22 15:54
SV-17-1	2200432-07	Soil	3/22/22 9:24	3/22/22 15:54
SV-17-5.5	2200432-08	Soil	3/22/22 9:36	3/22/22 15:54
SV-17-15	2200432-09	Soil	3/22/22 9:40	3/22/22 15:54
SV-16-1	2200432-10	Soil	3/22/22 10:36	3/22/22 15:54
SV-16-5.5	2200432-11	Soil	3/22/22 10:38	3/22/22 15:54
SV-16-14	2200432-12	Soil	3/22/22 10:44	3/22/22 15:54
SV-18-1	2200432-13	Soil	3/22/22 11:22	3/22/22 15:54
SV-18-5.5	2200432-14	Soil	3/22/22 11:34	3/22/22 15:54
SV-18-14	2200432-15	Soil	3/22/22 11:38	3/22/22 15:54
SV-19-1	2200432-16	Soil	3/22/22 13:13	3/22/22 15:54
SV-19-5.5	2200432-17	Soil	3/22/22 13:20	3/22/22 15:54
SV-19-14	2200432-18	Soil	3/22/22 13:25	3/22/22 15:54
TB_20220322	2200432-19	Water	3/22/22 13:30	3/22/22 15:54

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Notes and Definitions

MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200432-01	SV-14-1	**1.2**	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22 18:42	
2200432-04	SV-15-1	**ND**	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22 18:44	
2200432-07	SV-17-1	**ND**	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22 18:48	
2200432-10	SV-16-1	**ND**	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22 18:51	
2200432-13	SV-18-1	**ND**	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22 18:53	
2200432-16	SV-19-1	**ND**	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22 18:56	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-14-1

Lab ID: 2200432-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**24**	2.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Arsenic	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Barium	**63**	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Beryllium	**1.3**	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Cadmium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Chromium	**8.9**	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Cobalt	**3.1**	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Copper	**6.5**	2.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Lead	**16**	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Molybdenum	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Nickel	**6.5**	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Selenium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Silver	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Thallium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Vanadium	**13**	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Zinc	**33**	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-14-5.5

Lab ID: 2200432-02

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 15:07	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 15:07	
Surrogate: p-Terphenyl	*113 %*	*62 - 141*		B2C1361	03/24/2022	*03/25/22 15:07*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,1,1-Trichloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,1,2-Trichloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,1-Dichloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,1-Dichloroethene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,1-Dichloropropene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2,3-Trichloropropane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2-Dibromoethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2-Dichlorobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2-Dichloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2-Dichloropropane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,3-Dichlorobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,3-Dichloropropane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,4-Dichlorobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
2,2-Dichloropropane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
2-Chlorotoluene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
4-Chlorotoluene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
4-Isopropyltoluene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Benzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Bromobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Bromochloromethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Bromodichloromethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Bromoform	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Bromomethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Carbon disulfide	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-14-5.5

Lab ID: 2200432-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Chlorobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Chloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Chloroform	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Chloromethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Di-isopropyl ether	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Dibromochloromethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Dibromomethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Dichlorodifluoromethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Ethyl Acetate	ND	46	1	B2C1326	03/23/2022	03/23/22 15:59	
Ethyl Ether	ND	46	1	B2C1326	03/23/2022	03/23/22 15:59	
Ethyl tert-butyl ether	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Ethylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Freon-113	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Hexachlorobutadiene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Isopropylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
m,p-Xylene	ND	9.1	1	B2C1326	03/23/2022	03/23/22 15:59	
Methylene chloride	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
MTBE	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
n-Butylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
n-Propylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Naphthalene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
o-Xylene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
sec-Butylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Styrene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
tert-Amyl methyl ether	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
tert-Butanol	ND	91	1	B2C1326	03/23/2022	03/23/22 15:59	
tert-Butylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Tetrachloroethene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Toluene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Trichloroethene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Trichlorofluoromethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Vinyl acetate	ND	46	1	B2C1326	03/23/2022	03/23/22 15:59	
Vinyl chloride	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Surrogate: 1,2-Dichloroethane-d4	*118 %*	*66 - 200*		B2C1326	03/23/2022	*03/23/22 15:59*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C1326	03/23/2022	*03/23/22 15:59*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-14-5.5

Lab ID: 2200432-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*109 %*	*77 - 159*		B2C1326	03/23/2022	*03/23/22 15:59*	
Surrogate: Toluene-d8	*98.3 %*	*81 - 128*		B2C1326	03/23/2022	*03/23/22 15:59*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.94	1	B2C1453	03/30/2022	03/30/22 01:57	
Surrogate: 4-Bromofluorobenzene	*92.7 %*	*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 01:57*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-14-15

Lab ID: 2200432-03

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 17:55	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 17:55	
Surrogate: p-Terphenyl	*98.2 %*	*62 - 141*		B2C1361	03/24/2022	*03/25/22 17:55*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,1,1-Trichloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,1,2,2-Tetrachloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,1,2-Trichloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,1-Dichloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,1-Dichloroethene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,1-Dichloropropene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2,3-Trichloropropane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2,3-Trichlorobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2,4-Trichlorobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2,4-Trimethylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2-Dibromoethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2-Dichlorobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2-Dichloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2-Dichloropropane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,3,5-Trimethylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,3-Dichlorobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,3-Dichloropropane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,4-Dichlorobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
2,2-Dichloropropane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
2-Chlorotoluene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
4-Chlorotoluene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
4-Isopropyltoluene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Benzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Bromobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Bromochloromethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Bromodichloromethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Bromoform	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Bromomethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Carbon disulfide	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-14-15

Lab ID: 2200432-03

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Chlorobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Chloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Chloroform	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Chloromethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
cis-1,2-Dichloroethene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
cis-1,3-Dichloropropene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Di-isopropyl ether	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Dibromochloromethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Dibromomethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Dichlorodifluoromethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Ethyl Acetate	ND	57	1	B2C1326	03/23/2022	03/23/22 16:25	
Ethyl Ether	ND	57	1	B2C1326	03/23/2022	03/23/22 16:25	
Ethyl tert-butyl ether	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Ethylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Freon-113	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Hexachlorobutadiene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Isopropylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
m,p-Xylene	ND	11	1	B2C1326	03/23/2022	03/23/22 16:25	
Methylene chloride	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
MTBE	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
n-Butylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
n-Propylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Naphthalene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
o-Xylene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
sec-Butylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Styrene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
tert-Amyl methyl ether	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
tert-Butanol	ND	110	1	B2C1326	03/23/2022	03/23/22 16:25	
tert-Butylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Tetrachloroethene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Toluene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
trans-1,2-Dichloroethene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
trans-1,3-Dichloropropene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Trichloroethene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Trichlorofluoromethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Vinyl acetate	ND	57	1	B2C1326	03/23/2022	03/23/22 16:25	
Vinyl chloride	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Surrogate: 1,2-Dichloroethane-d4	*115 %*	*66 - 200*		B2C1326	03/23/2022	*03/23/22 16:25*	
Surrogate: 4-Bromofluorobenzene	*99.8 %*	*50 - 146*		B2C1326	03/23/2022	*03/23/22 16:25*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-14-15
Lab ID: 2200432-03

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*111 %*	*77 - 159*		B2C1326	03/23/2022	*03/23/22 16:25*	
Surrogate: Toluene-d8	*97.6 %*	*81 - 128*		B2C1326	03/23/2022	*03/23/22 16:25*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.99	1	B2C1453	03/30/2022	03/30/22 02:21	
Surrogate: 4-Bromofluorobenzene	*90.7 %*	*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 02:21*	

Client Sample ID: SV-15-1
Lab ID: 2200432-04

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**36**	2.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Arsenic	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Barium	**86**	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Beryllium	**2.0**	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Cadmium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Chromium	**12**	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Cobalt	**4.1**	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Copper	**8.3**	2.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Lead	**6.0**	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Molybdenum	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Nickel	**9.3**	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Selenium	**1.8**	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Silver	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Thallium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Vanadium	**22**	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Zinc	**35**	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-15-5.5
Lab ID: 2200432-05

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 18:16	
C23-C32	**44**	10	1	B2C1361	03/24/2022	03/25/22 18:16	
Surrogate: p-Terphenyl	*112 %*	*62 - 141*		B2C1361	03/24/2022	*03/25/22 18:16*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,1,1-Trichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,1,2-Trichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,1-Dichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,1-Dichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,1-Dichloropropene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2,3-Trichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2-Dibromoethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2-Dichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2-Dichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2-Dichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,3-Dichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,3-Dichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,4-Dichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
2,2-Dichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
2-Chlorotoluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
4-Chlorotoluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
4-Isopropyltoluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Benzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Bromobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Bromochloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Bromodichloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Bromoform	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Bromomethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Carbon disulfide	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-15-5.5

Lab ID: 2200432-05

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Chlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Chloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Chloroform	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Chloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Di-isopropyl ether	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Dibromochloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Dibromomethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Dichlorodifluoromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Ethyl Acetate	ND	41	1	B2C1326	03/23/2022	03/23/22 16:51	
Ethyl Ether	ND	41	1	B2C1326	03/23/2022	03/23/22 16:51	
Ethyl tert-butyl ether	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Ethylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Freon-113	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Hexachlorobutadiene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Isopropylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
m,p-Xylene	ND	8.2	1	B2C1326	03/23/2022	03/23/22 16:51	
Methylene chloride	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
MTBE	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
n-Butylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
n-Propylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Naphthalene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
o-Xylene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
sec-Butylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Styrene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
tert-Amyl methyl ether	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
tert-Butanol	ND	82	1	B2C1326	03/23/2022	03/23/22 16:51	
tert-Butylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Tetrachloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Toluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Trichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Trichlorofluoromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Vinyl acetate	ND	41	1	B2C1326	03/23/2022	03/23/22 16:51	
Vinyl chloride	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Surrogate: 1,2-Dichloroethane-d4	*121 %*	*66 - 200*		B2C1326	03/23/2022	*03/23/22 16:51*	
Surrogate: 4-Bromofluorobenzene	*98.9 %*	*50 - 146*		B2C1326	03/23/2022	*03/23/22 16:51*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-15-5.5

Lab ID: 2200432-05

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*120 %*		*77 - 159*		B2C1326	03/23/2022	*03/23/22 16:51*	
Surrogate: Toluene-d8	*100 %*		*81 - 128*		B2C1326	03/23/2022	*03/23/22 16:51*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.79	1	B2C1453	03/30/2022	03/30/22 02:46	
Surrogate: 4-Bromofluorobenzene	*95.2 %*		*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 02:46*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-15-15
Lab ID: 2200432-06

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 18:37	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 18:37	
Surrogate: p-Terphenyl	*134 %*	*62 - 141*		B2C1361	03/24/2022	*03/25/22 18:37*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,1,1-Trichloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,1,2,2-Tetrachloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,1,2-Trichloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,1-Dichloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,1-Dichloroethene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,1-Dichloropropene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2,3-Trichloropropane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2,3-Trichlorobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2,4-Trichlorobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2,4-Trimethylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2-Dibromo-3-chloropropane	ND	12	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2-Dibromoethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2-Dichlorobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2-Dichloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2-Dichloropropane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,3,5-Trimethylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,3-Dichlorobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,3-Dichloropropane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,4-Dichlorobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
2,2-Dichloropropane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
2-Chlorotoluene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
4-Chlorotoluene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
4-Isopropyltoluene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Benzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Bromobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Bromochloromethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Bromodichloromethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Bromoform	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Bromomethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Carbon disulfide	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-15-15
Lab ID: 2200432-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Chlorobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Chloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Chloroform	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Chloromethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
cis-1,2-Dichloroethene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
cis-1,3-Dichloropropene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Di-isopropyl ether	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Dibromochloromethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Dibromomethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Dichlorodifluoromethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Ethyl Acetate	ND	61	1	B2C1326	03/23/2022	03/23/22 17:17	
Ethyl Ether	ND	61	1	B2C1326	03/23/2022	03/23/22 17:17	
Ethyl tert-butyl ether	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Ethylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Freon-113	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Hexachlorobutadiene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Isopropylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
m,p-Xylene	ND	12	1	B2C1326	03/23/2022	03/23/22 17:17	
Methylene chloride	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
MTBE	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
n-Butylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
n-Propylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Naphthalene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
o-Xylene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
sec-Butylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Styrene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
tert-Amyl methyl ether	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
tert-Butanol	ND	120	1	B2C1326	03/23/2022	03/23/22 17:17	
tert-Butylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Tetrachloroethene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Toluene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
trans-1,2-Dichloroethene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
trans-1,3-Dichloropropene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Trichloroethene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Trichlorofluoromethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Vinyl acetate	ND	61	1	B2C1326	03/23/2022	03/23/22 17:17	
Vinyl chloride	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Surrogate: 1,2-Dichloroethane-d4	*128 %*	*66 - 200*		B2C1326	03/23/2022	*03/23/22 17:17*	
Surrogate: 4-Bromofluorobenzene	*95.8 %*	*50 - 146*		B2C1326	03/23/2022	*03/23/22 17:17*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-15-15
Lab ID: 2200432-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*115 %*	*77 - 159*		B2C1326	03/23/2022	*03/23/22 17:17*	
Surrogate: Toluene-d8	*95.2 %*	*81 - 128*		B2C1326	03/23/2022	*03/23/22 17:17*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.98	1	B2C1453	03/30/2022	03/30/22 03:10	
Surrogate: 4-Bromofluorobenzene	*93.5 %*	*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 03:10*	

Client Sample ID: SV-17-1
Lab ID: 2200432-07

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**34**	2.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Arsenic	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Barium	**84**	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Beryllium	**1.9**	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Cadmium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Chromium	**12**	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Cobalt	**4.1**	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Copper	**8.3**	2.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Lead	**2.8**	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Molybdenum	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Nickel	**8.7**	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Selenium	**1.6**	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Silver	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Thallium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Vanadium	**21**	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Zinc	**32**	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-17-5.5
Lab ID: 2200432-08

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 18:57	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 18:57	
Surrogate: p-Terphenyl	*111 %*	*62 - 141*		B2C1361	03/24/2022	*03/25/22 18:57*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,1,1-Trichloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,1,2-Trichloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,1-Dichloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,1-Dichloroethene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,1-Dichloropropene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2,3-Trichloropropane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2-Dibromoethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2-Dichlorobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2-Dichloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2-Dichloropropane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,3-Dichlorobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,3-Dichloropropane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,4-Dichlorobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
2,2-Dichloropropane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
2-Chlorotoluene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
4-Chlorotoluene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
4-Isopropyltoluene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Benzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Bromobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Bromochloromethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Bromodichloromethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Bromoform	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Bromomethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Carbon disulfide	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-17-5.5

Lab ID: 2200432-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Chlorobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Chloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Chloroform	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Chloromethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Di-isopropyl ether	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Dibromochloromethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Dibromomethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Dichlorodifluoromethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Ethyl Acetate	ND	42	1	B2C1326	03/23/2022	03/23/22 17:43	
Ethyl Ether	ND	42	1	B2C1326	03/23/2022	03/23/22 17:43	
Ethyl tert-butyl ether	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Ethylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Freon-113	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Hexachlorobutadiene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Isopropylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
m,p-Xylene	ND	8.4	1	B2C1326	03/23/2022	03/23/22 17:43	
Methylene chloride	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
MTBE	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
n-Butylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
n-Propylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Naphthalene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
o-Xylene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
sec-Butylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Styrene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
tert-Amyl methyl ether	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
tert-Butanol	ND	84	1	B2C1326	03/23/2022	03/23/22 17:43	
tert-Butylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Tetrachloroethene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Toluene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Trichloroethene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Trichlorofluoromethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Vinyl acetate	ND	42	1	B2C1326	03/23/2022	03/23/22 17:43	
Vinyl chloride	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Surrogate: 1,2-Dichloroethane-d4	*132 %*	*66 - 200*		B2C1326	03/23/2022	*03/23/22 17:43*	
Surrogate: 4-Bromofluorobenzene	*96.6 %*	*50 - 146*		B2C1326	03/23/2022	*03/23/22 17:43*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-17-5.5

Lab ID: 2200432-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*122 %*		*77 - 159*		B2C1326	03/23/2022	*03/23/22 17:43*	
Surrogate: Toluene-d8	*102 %*		*81 - 128*		B2C1326	03/23/2022	*03/23/22 17:43*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.78	1	B2C1453	03/30/2022	03/30/22 03:35	
Surrogate: 4-Bromofluorobenzene	*96.5 %*		*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 03:35*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-17-15

Lab ID: 2200432-09

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 19:18	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 19:18	
Surrogate: p-Terphenyl	*101 %*	*62 - 141*		B2C1361	03/24/2022	*03/25/22 19:18*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,1,1-Trichloroethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,1,2-Trichloroethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,1-Dichloroethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,1-Dichloroethene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,1-Dichloropropene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2,3-Trichloropropane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2,3-Trichlorobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2,4-Trichlorobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2,4-Trimethylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2-Dibromoethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2-Dichlorobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2-Dichloroethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2-Dichloropropane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,3,5-Trimethylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,3-Dichlorobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,3-Dichloropropane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,4-Dichlorobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
2,2-Dichloropropane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
2-Chlorotoluene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
4-Chlorotoluene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
4-Isopropyltoluene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Benzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Bromobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Bromochloromethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Bromodichloromethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Bromoform	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Bromomethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Carbon disulfide	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-17-15
Lab ID: 2200432-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Chlorobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Chloroethane	**15**	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Chloroform	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Chloromethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
cis-1,2-Dichloroethene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
cis-1,3-Dichloropropene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Di-isopropyl ether	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Dibromochloromethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Dibromomethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Dichlorodifluoromethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Ethyl Acetate	ND	51	1	B2C1326	03/23/2022	03/23/22 18:09	
Ethyl Ether	ND	51	1	B2C1326	03/23/2022	03/23/22 18:09	
Ethyl tert-butyl ether	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Ethylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Freon-113	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Hexachlorobutadiene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Isopropylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
m,p-Xylene	ND	10	1	B2C1326	03/23/2022	03/23/22 18:09	
Methylene chloride	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
MTBE	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
n-Butylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
n-Propylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Naphthalene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
o-Xylene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
sec-Butylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Styrene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
tert-Amyl methyl ether	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
tert-Butanol	ND	100	1	B2C1326	03/23/2022	03/23/22 18:09	
tert-Butylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Tetrachloroethene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Toluene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
trans-1,2-Dichloroethene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
trans-1,3-Dichloropropene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Trichloroethene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Trichlorofluoromethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Vinyl acetate	ND	51	1	B2C1326	03/23/2022	03/23/22 18:09	
Vinyl chloride	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Surrogate: 1,2-Dichloroethane-d4	*118 %*	*66 - 200*		B2C1326	03/23/2022	*03/23/22 18:09*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*50 - 146*		B2C1326	03/23/2022	*03/23/22 18:09*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-17-15
Lab ID: 2200432-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*107 %*	*77 - 159*		B2C1326	03/23/2022	*03/23/22 18:09*	
Surrogate: Toluene-d8	*99.0 %*	*81 - 128*		B2C1326	03/23/2022	*03/23/22 18:09*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.93	1	B2C1453	03/30/2022	03/30/22 03:59	
Surrogate: 4-Bromofluorobenzene	*90.1 %*	*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 03:59*	

Client Sample ID: SV-16-1
Lab ID: 2200432-10

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**46**	2.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Arsenic	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Barium	**110**	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Beryllium	**2.6**	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Cadmium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Chromium	**16**	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Cobalt	**5.4**	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Copper	**11**	2.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Lead	**6.2**	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Molybdenum	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Nickel	**9.9**	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Selenium	**1.5**	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Silver	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Thallium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Vanadium	**28**	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Zinc	**52**	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-16-5.5
Lab ID: 2200432-11

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 19:39	
C23-C32	**15**	10	1	B2C1361	03/24/2022	03/25/22 19:39	
Surrogate: p-Terphenyl	*117 %*	*62 - 141*		B2C1361	03/24/2022	*03/25/22 19:39*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,1,1-Trichloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,1,2,2-Tetrachloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,1,2-Trichloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,1-Dichloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,1-Dichloroethene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,1-Dichloropropene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2,3-Trichloropropane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2,3-Trichlorobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2,4-Trichlorobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2,4-Trimethylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2-Dibromo-3-chloropropane	ND	9.6	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2-Dibromoethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2-Dichlorobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2-Dichloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2-Dichloropropane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,3,5-Trimethylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,3-Dichlorobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,3-Dichloropropane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,4-Dichlorobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
2,2-Dichloropropane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
2-Chlorotoluene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
4-Chlorotoluene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
4-Isopropyltoluene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Benzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Bromobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Bromochloromethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Bromodichloromethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Bromoform	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Bromomethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Carbon disulfide	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-16-5.5

Lab ID: 2200432-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Chlorobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Chloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Chloroform	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Chloromethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
cis-1,2-Dichloroethene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
cis-1,3-Dichloropropene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Di-isopropyl ether	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Dibromochloromethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Dibromomethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Dichlorodifluoromethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Ethyl Acetate	ND	48	1	B2C1326	03/23/2022	03/23/22 18:35	
Ethyl Ether	ND	48	1	B2C1326	03/23/2022	03/23/22 18:35	
Ethyl tert-butyl ether	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Ethylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Freon-113	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Hexachlorobutadiene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Isopropylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
m,p-Xylene	ND	9.6	1	B2C1326	03/23/2022	03/23/22 18:35	
Methylene chloride	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
MTBE	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
n-Butylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
n-Propylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Naphthalene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
o-Xylene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
sec-Butylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Styrene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
tert-Amyl methyl ether	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
tert-Butanol	ND	96	1	B2C1326	03/23/2022	03/23/22 18:35	
tert-Butylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Tetrachloroethene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Toluene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
trans-1,2-Dichloroethene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
trans-1,3-Dichloropropene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Trichloroethene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Trichlorofluoromethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Vinyl acetate	ND	48	1	B2C1326	03/23/2022	03/23/22 18:35	
Vinyl chloride	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Surrogate: 1,2-Dichloroethane-d4	*117 %*	*66 - 200*		B2C1326	03/23/2022	*03/23/22 18:35*	
Surrogate: 4-Bromofluorobenzene	*95.1 %*	*50 - 146*		B2C1326	03/23/2022	*03/23/22 18:35*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-16-5.5
Lab ID: 2200432-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*109 %*		*77 - 159*		B2C1326	03/23/2022	*03/23/22 18:35*	
Surrogate: Toluene-d8	*96.9 %*		*81 - 128*		B2C1326	03/23/2022	*03/23/22 18:35*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12		ND	0.85	1	B2C1453	03/30/2022	03/30/22 04:24	
Surrogate: 4-Bromofluorobenzene	*92.1 %*		*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 04:24*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-16-14

Lab ID: 2200432-12

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 20:00	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 20:00	
Surrogate: p-Terphenyl	*101 %*	*62 - 141*		B2C1361	03/24/2022	*03/25/22 20:00*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,1,1-Trichloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,1,2-Trichloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,1-Dichloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,1-Dichloroethene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,1-Dichloropropene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2,3-Trichloropropane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2-Dibromoethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2-Dichlorobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2-Dichloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2-Dichloropropane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,3-Dichlorobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,3-Dichloropropane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,4-Dichlorobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
2,2-Dichloropropane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
2-Chlorotoluene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
4-Chlorotoluene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
4-Isopropyltoluene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Benzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Bromobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Bromochloromethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Bromodichloromethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Bromoform	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Bromomethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Carbon disulfide	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-16-14

Lab ID: 2200432-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Chlorobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Chloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Chloroform	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Chloromethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Di-isopropyl ether	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Dibromochloromethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Dibromomethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Dichlorodifluoromethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Ethyl Acetate	ND	43	1	B2C1326	03/23/2022	03/23/22 19:01	
Ethyl Ether	ND	43	1	B2C1326	03/23/2022	03/23/22 19:01	
Ethyl tert-butyl ether	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Ethylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Freon-113	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Hexachlorobutadiene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Isopropylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
m,p-Xylene	ND	8.7	1	B2C1326	03/23/2022	03/23/22 19:01	
Methylene chloride	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
MTBE	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
n-Butylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
n-Propylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Naphthalene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
o-Xylene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
sec-Butylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Styrene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
tert-Amyl methyl ether	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
tert-Butanol	ND	87	1	B2C1326	03/23/2022	03/23/22 19:01	
tert-Butylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Tetrachloroethene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Toluene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Trichloroethene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Trichlorofluoromethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Vinyl acetate	ND	43	1	B2C1326	03/23/2022	03/23/22 19:01	
Vinyl chloride	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Surrogate: 1,2-Dichloroethane-d4	*129 %*	*66 - 200*		B2C1326	03/23/2022	*03/23/22 19:01*	
Surrogate: 4-Bromofluorobenzene	*93.5 %*	*50 - 146*		B2C1326	03/23/2022	*03/23/22 19:01*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-16-14
Lab ID: 2200432-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*117 %*	*77 - 159*		B2C1326	03/23/2022	*03/23/22 19:01*	
Surrogate: Toluene-d8	*97.8 %*	*81 - 128*		B2C1326	03/23/2022	*03/23/22 19:01*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.81	1	B2C1453	03/30/2022	03/30/22 04:48	
Surrogate: 4-Bromofluorobenzene	*91.4 %*	*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 04:48*	

Client Sample ID: SV-18-1
Lab ID: 2200432-13

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**37**	2.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Arsenic	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Barium	**82**	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Beryllium	**2.1**	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Cadmium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Chromium	**13**	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Cobalt	**4.3**	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Copper	**9.4**	2.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Lead	**22**	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Molybdenum	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Nickel	**9.5**	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Selenium	**1.2**	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Silver	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Thallium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Vanadium	**22**	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Zinc	**48**	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-18-5.5

Lab ID: 2200432-14

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 20:21	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 20:21	
Surrogate: p-Terphenyl	*118 %*	*62 - 141*		B2C1361	03/24/2022	*03/25/22 20:21*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,1,1-Trichloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,1,2-Trichloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,1-Dichloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,1-Dichloroethene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,1-Dichloropropene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2,3-Trichloropropane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2-Dibromoethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2-Dichlorobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2-Dichloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2-Dichloropropane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,3-Dichlorobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,3-Dichloropropane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,4-Dichlorobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
2,2-Dichloropropane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
2-Chlorotoluene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
4-Chlorotoluene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
4-Isopropyltoluene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Benzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Bromobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Bromochloromethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Bromodichloromethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Bromoform	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Bromomethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Carbon disulfide	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-18-5.5

Lab ID: 2200432-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Chlorobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Chloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Chloroform	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Chloromethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Di-isopropyl ether	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Dibromochloromethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Dibromomethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Dichlorodifluoromethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Ethyl Acetate	ND	39	1	B2C1326	03/23/2022	03/23/22 19:27	
Ethyl Ether	ND	39	1	B2C1326	03/23/2022	03/23/22 19:27	
Ethyl tert-butyl ether	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Ethylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Freon-113	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Hexachlorobutadiene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Isopropylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
m,p-Xylene	ND	7.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Methylene chloride	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
MTBE	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
n-Butylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
n-Propylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Naphthalene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
o-Xylene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
sec-Butylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Styrene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
tert-Amyl methyl ether	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
tert-Butanol	ND	79	1	B2C1326	03/23/2022	03/23/22 19:27	
tert-Butylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Tetrachloroethene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Toluene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Trichloroethene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Trichlorofluoromethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Vinyl acetate	ND	39	1	B2C1326	03/23/2022	03/23/22 19:27	
Vinyl chloride	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Surrogate: 1,2-Dichloroethane-d4	*133 %*	*66 - 200*		B2C1326	03/23/2022	*03/23/22 19:27*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C1326	03/23/2022	*03/23/22 19:27*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-18-5.5

Lab ID: 2200432-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*119 %*	*77 - 159*		B2C1326	03/23/2022	*03/23/22 19:27*	
Surrogate: Toluene-d8	*96.5 %*	*81 - 128*		B2C1326	03/23/2022	*03/23/22 19:27*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.78	1	B2C1453	03/30/2022	03/30/22 05:13	
Surrogate: 4-Bromofluorobenzene	*92.8 %*	*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 05:13*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-18-14

Lab ID: 2200432-15

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 20:41	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 20:41	
Surrogate: p-Terphenyl	*102 %*	*62 - 141*		B2C1361	03/24/2022	*03/25/22 20:41*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,1,1-Trichloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,1,2-Trichloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,1-Dichloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,1-Dichloroethene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,1-Dichloropropene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2,3-Trichloropropane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2-Dibromoethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2-Dichlorobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2-Dichloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2-Dichloropropane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,3-Dichlorobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,3-Dichloropropane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,4-Dichlorobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
2,2-Dichloropropane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
2-Chlorotoluene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
4-Chlorotoluene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
4-Isopropyltoluene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Benzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Bromobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Bromochloromethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Bromodichloromethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Bromoform	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Bromomethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Carbon disulfide	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-18-14

Lab ID: 2200432-15

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Chlorobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Chloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Chloroform	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Chloromethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Di-isopropyl ether	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Dibromochloromethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Dibromomethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Dichlorodifluoromethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Ethyl Acetate	ND	44	1	B2C1326	03/23/2022	03/23/22 19:53	
Ethyl Ether	ND	44	1	B2C1326	03/23/2022	03/23/22 19:53	
Ethyl tert-butyl ether	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Ethylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Freon-113	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Hexachlorobutadiene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Isopropylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
m,p-Xylene	ND	8.9	1	B2C1326	03/23/2022	03/23/22 19:53	
Methylene chloride	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
MTBE	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
n-Butylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
n-Propylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Naphthalene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
o-Xylene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
sec-Butylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Styrene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
tert-Amyl methyl ether	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
tert-Butanol	ND	89	1	B2C1326	03/23/2022	03/23/22 19:53	
tert-Butylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Tetrachloroethene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Toluene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Trichloroethene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Trichlorofluoromethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Vinyl acetate	ND	44	1	B2C1326	03/23/2022	03/23/22 19:53	
Vinyl chloride	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Surrogate: 1,2-Dichloroethane-d4	*124 %*	*66 - 200*		B2C1326	03/23/2022	*03/23/22 19:53*	
Surrogate: 4-Bromofluorobenzene	*93.0 %*	*50 - 146*		B2C1326	03/23/2022	*03/23/22 19:53*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-18-14
Lab ID: 2200432-15

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*116 %*	*77 - 159*		B2C1326	03/23/2022	*03/23/22 19:53*	
Surrogate: Toluene-d8	*94.6 %*	*81 - 128*		B2C1326	03/23/2022	*03/23/22 19:53*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.83	1	B2C1453	03/30/2022	03/30/22 05:37	
Surrogate: 4-Bromofluorobenzene	*91.4 %*	*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 05:37*	

Client Sample ID: SV-19-1
Lab ID: 2200432-16

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**38**	2.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Arsenic	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Barium	**86**	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Beryllium	**2.2**	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Cadmium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Chromium	**14**	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Cobalt	**4.8**	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Copper	**8.9**	2.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Lead	**8.9**	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Molybdenum	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Nickel	**11**	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Selenium	**1.4**	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Silver	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Thallium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Vanadium	**23**	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Zinc	**43**	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-19-5.5
Lab ID: 2200432-17

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 21:02	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 21:02	
Surrogate: p-Terphenyl	*105 %*	*62 - 141*		B2C1361	03/24/2022	*03/25/22 21:02*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,1,1-Trichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,1,2-Trichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,1-Dichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,1-Dichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,1-Dichloropropene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2,3-Trichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2-Dibromoethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2-Dichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2-Dichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2-Dichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,3-Dichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,3-Dichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,4-Dichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
2,2-Dichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
2-Chlorotoluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
4-Chlorotoluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
4-Isopropyltoluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Benzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Bromobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Bromochloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Bromodichloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Bromoform	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Bromomethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Carbon disulfide	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-19-5.5

Lab ID: 2200432-17

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Chlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Chloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Chloroform	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Chloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Di-isopropyl ether	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Dibromochloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Dibromomethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Dichlorodifluoromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Ethyl Acetate	ND	41	1	B2C1326	03/23/2022	03/23/22 20:19	
Ethyl Ether	ND	41	1	B2C1326	03/23/2022	03/23/22 20:19	
Ethyl tert-butyl ether	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Ethylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Freon-113	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Hexachlorobutadiene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Isopropylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
m,p-Xylene	ND	8.2	1	B2C1326	03/23/2022	03/23/22 20:19	
Methylene chloride	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
MTBE	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
n-Butylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
n-Propylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Naphthalene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
o-Xylene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
sec-Butylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Styrene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
tert-Amyl methyl ether	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
tert-Butanol	ND	82	1	B2C1326	03/23/2022	03/23/22 20:19	
tert-Butylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Tetrachloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Toluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Trichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Trichlorofluoromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Vinyl acetate	ND	41	1	B2C1326	03/23/2022	03/23/22 20:19	
Vinyl chloride	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Surrogate: 1,2-Dichloroethane-d4	*130 %*	*66 - 200*		B2C1326	03/23/2022	*03/23/22 20:19*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C1326	03/23/2022	*03/23/22 20:19*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-19-5.5

Lab ID: 2200432-17

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*119 %*	*77 - 159*		B2C1326	03/23/2022	*03/23/22 20:19*	
Surrogate: Toluene-d8	*95.2 %*	*81 - 128*		B2C1326	03/23/2022	*03/23/22 20:19*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1453	03/30/2022	03/30/22 06:01	
Surrogate: 4-Bromofluorobenzene	*93.0 %*	*47.6 - 121.18*		B2C1453	03/30/2022	*03/30/22 06:01*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-19-14

Lab ID: 2200432-18

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 21:24	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 21:24	
Surrogate: p-Terphenyl	*104 %*	*62 - 141*		B2C1361	03/24/2022	*03/25/22 21:24*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,1,1-Trichloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,1,2-Trichloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,1-Dichloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,1-Dichloroethene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,1-Dichloropropene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2,3-Trichloropropane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2,3-Trichlorobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2,4-Trichlorobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2,4-Trimethylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2-Dibromoethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2-Dichlorobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2-Dichloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2-Dichloropropane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,3,5-Trimethylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,3-Dichlorobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,3-Dichloropropane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,4-Dichlorobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
2,2-Dichloropropane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
2-Chlorotoluene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
4-Chlorotoluene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
4-Isopropyltoluene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Benzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Bromobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Bromochloromethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Bromodichloromethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Bromoform	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Bromomethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Carbon disulfide	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-19-14

Lab ID: 2200432-18

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Chlorobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Chloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Chloroform	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Chloromethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
cis-1,2-Dichloroethene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
cis-1,3-Dichloropropene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Di-isopropyl ether	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Dibromochloromethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Dibromomethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Dichlorodifluoromethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Ethyl Acetate	ND	50	1	B2C1326	03/23/2022	03/23/22 20:45	
Ethyl Ether	ND	50	1	B2C1326	03/23/2022	03/23/22 20:45	
Ethyl tert-butyl ether	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Ethylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Freon-113	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Hexachlorobutadiene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Isopropylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
m,p-Xylene	ND	10	1	B2C1326	03/23/2022	03/23/22 20:45	
Methylene chloride	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
MTBE	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
n-Butylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
n-Propylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Naphthalene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
o-Xylene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
sec-Butylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Styrene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
tert-Amyl methyl ether	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
tert-Butanol	ND	100	1	B2C1326	03/23/2022	03/23/22 20:45	
tert-Butylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Tetrachloroethene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Toluene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
trans-1,2-Dichloroethene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
trans-1,3-Dichloropropene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Trichloroethene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Trichlorofluoromethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Vinyl acetate	ND	50	1	B2C1326	03/23/2022	03/23/22 20:45	
Vinyl chloride	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Surrogate: 1,2-Dichloroethane-d4	*131 %*	*66 - 200*		B2C1326	03/23/2022	*03/23/22 20:45*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50 - 146*		B2C1326	03/23/2022	*03/23/22 20:45*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Client Sample ID: SV-19-14

Lab ID: 2200432-18

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*123 %*	*77 - 159*		B2C1326	03/23/2022	*03/23/22 20:45*	
Surrogate: Toluene-d8	*96.5 %*	*81 - 128*		B2C1326	03/23/2022	*03/23/22 20:45*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.97	1	B2C1459	03/30/2022	03/30/22 13:58	
Surrogate: 4-Bromofluorobenzene	*91.5 %*	*47.6 - 121.18*		B2C1459	03/30/2022	*03/30/22 13:58*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

QUALITY CONTROL SECTION

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1453 - GCVOA_S										
Blank (B2C1453-BLK1)						Prepared: 3/29/2022 Analyzed: 3/29/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6373*			*0.800000*		*79.7*	*47.6 - 121.18*			
LCS (B2C1453-BS1)						Prepared: 3/29/2022 Analyzed: 3/29/2022				
Gasoline Range Organics	5.72400	1.0	0.13	5.00000		114	58.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7454*			*0.800000*		*93.2*	*47.6 - 121.18*			
LCS Dup (B2C1453-BSD1)						Prepared: 3/29/2022 Analyzed: 3/29/2022				
Gasoline Range Organics	5.75300	1.0	0.13	5.00000		115	58.69 - 124.04	0.505	20	
Surrogate: 4-Bromofluorobenzene	*0.7309*			*0.800000*		*91.4*	*47.6 - 121.18*			

Certificate of Analysis

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Irvine , CA 92612	Reported : 04/01/2022

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1459 - GCVOA_S										
Blank (B2C1459-BLK1)						Prepared: 3/30/2022 Analyzed: 3/30/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6940*			*0.800000*		*86.7*	*47.6 - 121.18*			
LCS (B2C1459-BS1)						Prepared: 3/30/2022 Analyzed: 3/30/2022				
Gasoline Range Organics	5.68800	1.0	0.13	5.00000		114	58.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7127*			*0.800000*		*89.1*	*47.6 - 121.18*			
LCS Dup (B2C1459-BSD1)						Prepared: 3/30/2022 Analyzed: 3/30/2022				
Gasoline Range Organics	5.82100	1.0	0.13	5.00000		116	58.69 - 124.04	2.31	20	
Surrogate: 4-Bromofluorobenzene	*0.7060*			*0.800000*		*88.3*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1373 - EPA 3050B_S										
Blank (B2C1373-BLK1)						Prepared: 3/24/2022 Analyzed: 3/29/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1373-BS1)						Prepared: 3/24/2022 Analyzed: 3/29/2022				
Antimony	26.7387	2.0	0.51	25.0000		107	80 - 120			
Arsenic	25.5856	1.0	0.12	25.0000		102	80 - 120			
Barium	25.9237	1.0	0.12	25.0000		104	80 - 120			
Beryllium	25.8073	1.0	0.03	25.0100		103	80 - 120			
Cadmium	26.6848	1.0	0.14	25.0000		107	80 - 120			
Chromium	26.0574	1.0	0.26	25.0000		104	80 - 120			
Cobalt	24.7263	1.0	0.07	25.0000		98.9	80 - 120			
Copper	25.3644	2.0	0.19	25.0000		101	80 - 120			
Lead	27.6089	1.0	0.18	25.0000		110	80 - 120			
Molybdenum	27.4365	1.0	0.12	25.0000		110	80 - 120			
Nickel	24.9677	1.0	0.18	25.0000		99.9	80 - 120			
Selenium	26.8538	1.0	0.40	25.0000		107	80 - 120			
Silver	12.0203	1.0	0.12	12.5000		96.2	80 - 120			
Thallium	25.9749	1.0	0.38	25.0000		104	80 - 120			
Vanadium	23.8848	1.0	0.06	25.0000		95.5	80 - 120			
Zinc	27.7191	1.0	0.15	25.0000		111	80 - 120			
Matrix Spike (B2C1373-MS1)			**Source: 2200431-01**			Prepared: 3/24/2022 Analyzed: 3/29/2022				
Antimony	67.8792	2.0	0.51	25.0000	62.0613	23.3	0 - 102			
Arsenic	11.2800	1.0	0.12	25.0000	ND	45.1	55 - 117			M2
Barium	106.673	1.0	0.12	25.0000	85.9472	82.9	11 - 177			
Beryllium	26.7829	1.0	0.03	25.0100	3.11318	94.6	64 - 115			
Cadmium	28.1176	1.0	0.14	25.0000	3.39231	98.9	62 - 116			
Chromium	43.7043	1.0	0.26	25.0000	19.3901	97.3	42 - 145			
Cobalt	102.874	1.0	0.07	25.0000	82.0082	83.5	60 - 126			
Copper	43.8188	2.0	0.19	25.0000	17.5409	105	37 - 163			
Lead	5827.55	50	9.1	25.0000	55013.8	-197000	26 - 161			M2

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
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Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1373 - EPA 3050B_S (continued)										
Matrix Spike (B2C1373-MS1) - Continued			**Source: 2200431-01**			Prepared: 3/24/2022 Analyzed: 3/29/2022				
Molybdenum	12.7771	1.0	0.12	25.0000	1.11022	46.7	31 - 122			
Nickel	38.9446	1.0	0.18	25.0000	13.2089	103	52 - 130			
Selenium	15.7298	1.0	0.40	25.0000	ND	62.9	25 - 129			
Silver	12.7222	1.0	0.12	12.5000	0.634816	96.7	48 - 133			
Thallium	29.1333	1.0	0.38	25.0000	5.82334	93.2	25 - 119			
Vanadium	37.0954	1.0	0.06	25.0000	14.0785	92.1	51 - 141			
Zinc	7924.81	10	1.5	25.0000	8043.14	-473	8 - 170			M2
Matrix Spike Dup (B2C1373-MSD1)			**Source: 2200431-01**			Prepared: 3/24/2022 Analyzed: 3/29/2022				
Antimony	68.1830	2.0	0.51	25.0000	62.0613	24.5	0 - 102	0.446	20	
Arsenic	11.3274	1.0	0.12	25.0000	ND	45.3	55 - 117	0.419	20	M2
Barium	105.257	1.0	0.12	25.0000	85.9472	77.2	11 - 177	1.34	20	
Beryllium	26.6799	1.0	0.03	25.0100	3.11318	94.2	64 - 115	0.385	20	
Cadmium	27.9098	1.0	0.14	25.0000	3.39231	98.1	62 - 116	0.742	20	
Chromium	42.9280	1.0	0.26	25.0000	19.3901	94.2	42 - 145	1.79	20	
Cobalt	101.736	1.0	0.07	25.0000	82.0082	78.9	60 - 126	1.11	20	
Copper	42.5440	2.0	0.19	25.0000	17.5409	100	37 - 163	2.95	20	
Lead	5567.04	50	9.1	25.0000	55013.8	-198000	26 - 161	4.57	20	M2
Molybdenum	12.7864	1.0	0.12	25.0000	1.11022	46.7	31 - 122	0.0735	20	
Nickel	39.2565	1.0	0.18	25.0000	13.2089	104	52 - 130	0.798	20	
Selenium	15.7399	1.0	0.40	25.0000	ND	63.0	25 - 129	0.0638	20	
Silver	12.6516	1.0	0.12	12.5000	0.634816	96.1	48 - 133	0.556	20	
Thallium	27.9840	1.0	0.38	25.0000	5.82334	88.6	25 - 119	4.02	20	
Vanadium	36.3286	1.0	0.06	25.0000	14.0785	89.0	51 - 141	2.09	20	
Zinc	8145.65	10	1.5	25.0000	8043.14	410	8 - 170	2.75	20	M2

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 04/01/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1405 - EPA 7471_S										
Blank (B2C1405-BLK1)						Prepared: 3/28/2022 Analyzed: 3/30/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1405-BS1)						Prepared: 3/28/2022 Analyzed: 3/31/2022				
Mercury	0.454490	0.10	0.01	0.416667		109	80 - 120			
Matrix Spike (B2C1405-MS1)			**Source: 2200337-08**			Prepared: 3/28/2022 Analyzed: 3/30/2022				
Mercury	0.596987	0.10	0.01	0.416667	ND	143	70 - 130			M2
Matrix Spike (B2C1405-MS2)			**Source: 2200343-01**			Prepared: 3/28/2022 Analyzed: 3/30/2022				
Mercury	0.594881	0.10	0.01	0.416667	ND	143	70 - 130			M2
Matrix Spike Dup (B2C1405-MSD1)			**Source: 2200337-08**			Prepared: 3/28/2022 Analyzed: 3/30/2022				
Mercury	0.599875	0.10	0.01	0.416667	ND	144	70 - 130	0.483	20	M2

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
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Irvine , CA 92612	Reported : 04/01/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1405 - EPA 7471_S									
Post Spike (B2C1405-PS1)			**Source: 2200337-08**		Prepared: 3/28/2022 Analyzed: 3/30/2022				
Mercury	0.003902		5.00000E-3	-0.000200	78.0	85 - 115			M2

Certificate of Analysis

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Irvine , CA 92612	Reported : 04/01/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1361 - GCSEMI_DRO_S										
Blank (B2C1361-BLK1)						Prepared: 3/24/2022 Analyzed: 3/25/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*80.33*			*80.0000*		*100*	*62 - 141*			
Blank (B2C1361-BLK2)						Prepared: 3/24/2022 Analyzed: 3/28/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*78.29*			*80.0000*		*97.9*	*62 - 141*			
LCS (B2C1361-BS1)						Prepared: 3/24/2022 Analyzed: 3/25/2022				
DRO	1005.17	10	3.6	1000.00		101	56 - 139			
Surrogate: p-Terphenyl	*87.15*			*80.0000*		*109*	*62 - 141*			
LCS (B2C1361-BS2)						Prepared: 3/24/2022 Analyzed: 3/28/2022				
DRO	983.436	10	3.6	1000.00		98.3	56 - 139			
Surrogate: p-Terphenyl	*85.59*			*80.0000*		*107*	*62 - 141*			
Matrix Spike (B2C1361-MS1)			**Source: 2200432-02**			Prepared: 3/24/2022 Analyzed: 3/25/2022				
DRO	876.045	10	3.6	1000.00	9.60300	86.6	38 - 161			
Surrogate: p-Terphenyl	*88.41*			*80.0000*		*111*	*62 - 141*			
Matrix Spike Dup (B2C1361-MSD1)			**Source: 2200432-02**			Prepared: 3/24/2022 Analyzed: 3/25/2022				
DRO	1025.95	10	3.6	1000.00	9.60300	102	38 - 161	15.8	20	
Surrogate: p-Terphenyl	*102.3*			*80.0000*		*128*	*62 - 141*			

Certificate of Analysis

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1326 - MSVOA_S										
Blank (B2C1326-BLK1)							Prepared: 3/23/2022 Analyzed: 3/23/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1326 - MSVOA_S (continued)										
Blank (B2C1326-BLK1) - Continued						Prepared: 3/23/2022 Analyzed: 3/23/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*63.75*			*50.0000*		*128*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*44.48*			*50.0000*		*89.0*	*50 - 146*			
Surrogate: Dibromofluoromethane	*59.34*			*50.0000*		*119*	*77 - 159*			
Surrogate: Toluene-d8	*48.88*			*50.0000*		*97.8*	*81 - 128*			
Blank (B2C1326-BLK2)						Prepared: 3/23/2022 Analyzed: 3/23/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1326 - MSVOA_S (continued)										
Blank (B2C1326-BLK2) - Continued							Prepared: 3/23/2022 Analyzed: 3/23/2022			
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1326 - MSVOA_S (continued)										
Blank (B2C1326-BLK2) - Continued						Prepared: 3/23/2022 Analyzed: 3/23/2022				
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*59.75*			*50.0000*		*120*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*46.67*			*50.0000*		*93.3*	*50 - 146*			
Surrogate: Dibromofluoromethane	*56.23*			*50.0000*		*112*	*77 - 159*			
Surrogate: Toluene-d8	*48.20*			*50.0000*		*96.4*	*81 - 128*			
LCS (B2C1326-BS1)						Prepared: 3/23/2022 Analyzed: 3/23/2022				
1,1,1,2-Tetrachloroethane	43.4200	5.0	0.52	50.0000		86.8	84 - 123			
1,1,1-Trichloroethane	51.8300	5.0	0.26	50.0000		104	78 - 133			
1,1,2,2-Tetrachloroethane	41.2300	5.0	0.21	50.0000		82.5	63 - 127			
1,1,2-Trichloroethane	49.3300	5.0	0.40	50.0000		98.7	80 - 125			
1,1-Dichloroethane	50.2700	5.0	1.4	50.0000		101	77 - 128			
1,1-Dichloroethene	52.4400	5.0	1.9	50.0000		105	69 - 138			
1,1-Dichloropropene	47.7900	5.0	0.54	50.0000		95.6	80 - 133			
1,2,3-Trichloropropane	44.9500	5.0	0.40	50.0000		89.9	74 - 123			
1,2,3-Trichlorobenzene	42.7400	5.0	0.83	50.0000		85.5	79 - 133			
1,2,4-Trichlorobenzene	42.2200	5.0	0.80	50.0000		84.4	73 - 131			
1,2,4-Trimethylbenzene	43.6800	5.0	0.91	50.0000		87.4	86 - 137			
1,2-Dibromo-3-chloropropane	44.0100	10	1.1	50.0000		88.0	62 - 127			
1,2-Dibromoethane	46.4700	5.0	0.40	50.0000		92.9	83 - 126			
1,2-Dichlorobenzene	41.8300	5.0	0.21	50.0000		83.7	83 - 123			
1,2-Dichloroethane	52.0200	5.0	0.50	50.0000		104	76 - 128			
1,2-Dichloropropane	47.0800	5.0	0.46	50.0000		94.2	77 - 121			
1,3,5-Trimethylbenzene	44.3200	5.0	0.70	50.0000		88.6	84 - 135			
1,3-Dichlorobenzene	44.5600	5.0	0.36	50.0000		89.1	81 - 126			
1,3-Dichloropropane	43.1600	5.0	0.49	50.0000		86.3	80 - 118			
1,4-Dichlorobenzene	43.6700	5.0	0.27	50.0000		87.3	80 - 124			
2,2-Dichloropropane	51.6500	5.0	0.28	50.0000		103	72 - 135			
2-Chlorotoluene	44.3400	5.0	0.53	50.0000		88.7	81 - 127			
4-Chlorotoluene	44.7700	5.0	0.40	50.0000		89.5	83 - 127			
4-Isopropyltoluene	43.8500	5.0	0.81	50.0000		87.7	82 - 143			
Benzene	48.7300	5.0	0.36	50.0000		97.5	84 - 123			
Bromobenzene	44.9400	5.0	0.62	50.0000		89.9	80 - 122			
Bromochloromethane	49.7700	5.0	0.30	50.0000		99.5	83 - 127			
Bromodichloromethane	52.1900	5.0	0.52	50.0000		104	82 - 123			
Bromoform	42.5300	5.0	1.4	50.0000		85.1	80 - 132			
Bromomethane	66.2600	5.0	2.5	50.0000		133	67 - 176			

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Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1326 - MSVOA_S (continued)										
LCS (B2C1326-BS1) - Continued						Prepared: 3/23/2022 Analyzed: 3/23/2022				
Carbon disulfide	51.1100	5.0	0.94	50.0000		102	75 - 138			
Carbon tetrachloride	49.7300	5.0	0.73	50.0000		99.5	76 - 131			
Chlorobenzene	44.6600	5.0	0.42	50.0000		89.3	84 - 119			
Chloroethane	61.4200	5.0	1.5	50.0000		123	56 - 170			
Chloroform	52.4100	5.0	0.24	50.0000		105	78 - 129			
Chloromethane	40.9000	5.0	1.1	50.0000		81.8	63 - 141			
cis-1,2-Dichloroethene	37.1600	5.0	0.20	50.0000		74.3	83 - 125			L3
cis-1,3-Dichloropropene	39.0000	5.0	0.39	50.0000		78.0	76 - 129			
Di-isopropyl ether	44.4300	5.0	1.9	50.0000		88.9	73 - 132			
Dibromochloromethane	44.4300	5.0	0.81	50.0000		88.9	81 - 120			
Dibromomethane	46.6400	5.0	0.23	50.0000		93.3	79 - 124			
Dichlorodifluoromethane	39.4400	5.0	0.14	50.0000		78.9	18 - 199			
Ethyl Acetate	25.1500	50	7.0	500.000		5.03	76 - 138			MO
Ethyl Ether	591.990	50	17	500.000		118	74 - 128			
Ethyl tert-butyl ether	43.8600	5.0	0.85	50.0000		87.7	50 - 175			
Ethylbenzene	45.2400	5.0	0.43	50.0000		90.5	86 - 130			
Freon-113	57.3200	5.0	1.3	50.0000		115	66 - 132			
Hexachlorobutadiene	45.5600	5.0	0.40	50.0000		91.1	64 - 135			
Isopropylbenzene	44.9000	5.0	0.79	50.0000		89.8	80 - 133			
m,p-Xylene	90.6700	10	0.98	100.000		90.7	89 - 133			
Methylene chloride	46.4000	5.0	2.2	50.0000		92.8	72 - 143			
MTBE	43.7100	5.0	0.81	50.0000		87.4	73 - 136			
n-Butylbenzene	43.6800	5.0	1.2	50.0000		87.4	76 - 144			
n-Propylbenzene	43.7300	5.0	0.78	50.0000		87.5	81 - 136			
Naphthalene	38.8800	5.0	1.1	50.0000		77.8	64 - 128			
o-Xylene	44.8100	5.0	0.67	50.0000		89.6	82 - 134			
sec-Butylbenzene	42.9900	5.0	0.63	50.0000		86.0	81 - 138			
Styrene	43.3100	5.0	0.45	50.0000		86.6	79 - 152			
tert-Amyl methyl ether	42.2300	5.0	1.1	50.0000		84.5	48 - 166			
tert-Butanol	162.640	100	11	250.000		65.1	48 - 148			
tert-Butylbenzene	43.0600	5.0	0.80	50.0000		86.1	81 - 135			
Tetrachloroethene	44.8900	5.0	0.31	50.0000		89.8	75 - 127			
Toluene	47.0500	5.0	0.27	50.0000		94.1	88 - 130			
trans-1,2-Dichloroethene	63.8600	5.0	0.56	50.0000		128	79 - 127			L3
trans-1,3-Dichloropropene	45.6800	5.0	0.59	50.0000		91.4	80 - 130			
Trichloroethene	48.9700	5.0	0.32	50.0000		97.9	83 - 126			
Trichlorofluoromethane	59.1000	5.0	1.0	50.0000		118	62 - 143			
Vinyl acetate	35.4700	50	6.0	500.000		7.09	69 - 150			MO
Vinyl chloride	53.6800	5.0	0.92	50.0000		107	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*57.68*			*50.0000*		*115*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*47.94*			*50.0000*		*95.9*	*50 - 146*			
Surrogate: Dibromofluoromethane	*52.27*			*50.0000*		*105*	*77 - 159*			
Surrogate: Toluene-d8	*48.38*			*50.0000*		*96.8*	*81 - 128*			
LCS Dup (B2C1326-BSD1)						Prepared: 3/23/2022 Analyzed: 3/23/2022				

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 04/01/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1326 - MSVOA_S (continued)										
LCS Dup (B2C1326-BSD1) - Continued						Prepared: 3/23/2022 Analyzed: 3/23/2022				
1,1,1,2-Tetrachloroethane	45.6100	5.0	0.52	50.0000		91.2	84 - 123	4.92	20	
1,1,1-Trichloroethane	53.6900	5.0	0.26	50.0000		107	78 - 133	3.53	20	
1,1,2,2-Tetrachloroethane	46.1800	5.0	0.21	50.0000		92.4	63 - 127	11.3	20	
1,1,2-Trichloroethane	48.4400	5.0	0.40	50.0000		96.9	80 - 125	1.82	20	
1,1-Dichloroethane	52.3200	5.0	1.4	50.0000		105	77 - 128	4.00	20	
1,1-Dichloroethene	53.2100	5.0	1.9	50.0000		106	69 - 138	1.46	20	
1,1-Dichloropropene	50.2200	5.0	0.54	50.0000		100	80 - 133	4.96	20	
1,2,3-Trichloropropane	46.6100	5.0	0.40	50.0000		93.2	74 - 123	3.63	20	
1,2,3-Trichlorobenzene	49.8700	5.0	0.83	50.0000		99.7	79 - 133	15.4	20	
1,2,4-Trichlorobenzene	45.2100	5.0	0.80	50.0000		90.4	73 - 131	6.84	20	
1,2,4-Trimethylbenzene	48.3400	5.0	0.91	50.0000		96.7	86 - 137	10.1	20	
1,2-Dibromo-3-chloropropane	44.6000	10	1.1	50.0000		89.2	62 - 127	1.33	20	
1,2-Dibromoethane	48.2300	5.0	0.40	50.0000		96.5	83 - 126	3.72	20	
1,2-Dichlorobenzene	46.8000	5.0	0.21	50.0000		93.6	83 - 123	11.2	20	
1,2-Dichloroethane	55.8700	5.0	0.50	50.0000		112	76 - 128	7.14	20	
1,2-Dichloropropane	45.2400	5.0	0.46	50.0000		90.5	77 - 121	3.99	20	
1,3,5-Trimethylbenzene	48.8500	5.0	0.70	50.0000		97.7	84 - 135	9.72	20	
1,3-Dichlorobenzene	47.6000	5.0	0.36	50.0000		95.2	81 - 126	6.60	20	
1,3-Dichloropropane	48.5600	5.0	0.49	50.0000		97.1	80 - 118	11.8	20	
1,4-Dichlorobenzene	49.3800	5.0	0.27	50.0000		98.8	80 - 124	12.3	20	
2,2-Dichloropropane	52.1500	5.0	0.28	50.0000		104	72 - 135	0.963	20	
2-Chlorotoluene	48.7700	5.0	0.53	50.0000		97.5	81 - 127	9.52	20	
4-Chlorotoluene	50.3400	5.0	0.40	50.0000		101	83 - 127	11.7	20	
4-Isopropyltoluene	47.9800	5.0	0.81	50.0000		96.0	82 - 143	8.99	20	
Benzene	48.3100	5.0	0.36	50.0000		96.6	84 - 123	0.866	20	
Bromobenzene	49.7300	5.0	0.62	50.0000		99.5	80 - 122	10.1	20	
Bromochloromethane	47.2900	5.0	0.30	50.0000		94.6	83 - 127	5.11	20	
Bromodichloromethane	52.1100	5.0	0.52	50.0000		104	82 - 123	0.153	20	
Bromoform	45.9300	5.0	1.4	50.0000		91.9	80 - 132	7.69	20	
Bromomethane	72.9200	5.0	2.5	50.0000		146	67 - 176	9.57	20	
Carbon disulfide	51.5400	5.0	0.94	50.0000		103	75 - 138	0.838	20	
Carbon tetrachloride	49.1300	5.0	0.73	50.0000		98.3	76 - 131	1.21	20	
Chlorobenzene	45.6300	5.0	0.42	50.0000		91.3	84 - 119	2.15	20	
Chloroethane	59.2700	5.0	1.5	50.0000		119	56 - 170	3.56	20	
Chloroform	53.7100	5.0	0.24	50.0000		107	78 - 129	2.45	20	
Chloromethane	47.0400	5.0	1.1	50.0000		94.1	63 - 141	14.0	20	
cis-1,2-Dichloroethene	41.5000	5.0	0.20	50.0000		83.0	83 - 125	11.0	20	
cis-1,3-Dichloropropene	39.3000	5.0	0.39	50.0000		78.6	76 - 129	0.766	20	
Di-isopropyl ether	47.8300	5.0	1.9	50.0000		95.7	73 - 132	7.37	20	
Dibromochloromethane	42.3300	5.0	0.81	50.0000		84.7	81 - 120	4.84	20	
Dibromomethane	50.0800	5.0	0.23	50.0000		100	79 - 124	7.11	20	
Dichlorodifluoromethane	41.0600	5.0	0.14	50.0000		82.1	18 - 199	4.02	20	
Ethyl Acetate	29.4700	50	7.0	500.000		5.89	76 - 138	15.8	20	MO
Ethyl Ether	596.780	50	17	500.000		119	74 - 128	0.806	20	
Ethyl tert-butyl ether	47.1000	5.0	0.85	50.0000		94.2	50 - 175	7.12	20	

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 04/01/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1326 - MSVOA_S (continued)										
LCS Dup (B2C1326-BSD1) - Continued						Prepared: 3/23/2022 Analyzed: 3/23/2022				
Ethylbenzene	47.9000	5.0	0.43	50.0000		95.8	86 - 130	5.71	20	
Freon-113	56.0600	5.0	1.3	50.0000		112	66 - 132	2.22	20	
Hexachlorobutadiene	48.6500	5.0	0.40	50.0000		97.3	64 - 135	6.56	20	
Isopropylbenzene	48.8500	5.0	0.79	50.0000		97.7	80 - 133	8.43	20	
m,p-Xylene	92.9300	10	0.98	100.000		92.9	89 - 133	2.46	20	
Methylene chloride	50.8900	5.0	2.2	50.0000		102	72 - 143	9.23	20	
MTBE	46.8200	5.0	0.81	50.0000		93.6	73 - 136	6.87	20	
n-Butylbenzene	47.8600	5.0	1.2	50.0000		95.7	76 - 144	9.13	20	
n-Propylbenzene	49.3500	5.0	0.78	50.0000		98.7	81 - 136	12.1	20	
Naphthalene	44.3600	5.0	1.1	50.0000		88.7	64 - 128	13.2	20	
o-Xylene	44.9800	5.0	0.67	50.0000		90.0	82 - 134	0.379	20	
sec-Butylbenzene	46.9000	5.0	0.63	50.0000		93.8	81 - 138	8.70	20	
Styrene	44.2700	5.0	0.45	50.0000		88.5	79 - 152	2.19	20	
tert-Amyl methyl ether	46.8000	5.0	1.1	50.0000		93.6	48 - 166	10.3	20	
tert-Butanol	174.940	100	11	250.000		70.0	48 - 148	7.29	20	
tert-Butylbenzene	46.7600	5.0	0.80	50.0000		93.5	81 - 135	8.24	20	
Tetrachloroethene	43.6600	5.0	0.31	50.0000		87.3	75 - 127	2.78	20	
Toluene	48.7400	5.0	0.27	50.0000		97.5	88 - 130	3.53	20	
trans-1,2-Dichloroethene	70.6200	5.0	0.56	50.0000		141	79 - 127	10.1	20	L5
trans-1,3-Dichloropropene	48.3600	5.0	0.59	50.0000		96.7	80 - 130	5.70	20	
Trichloroethene	50.1000	5.0	0.32	50.0000		100	83 - 126	2.28	20	
Trichlorofluoromethane	57.6000	5.0	1.0	50.0000		115	62 - 143	2.57	20	
Vinyl acetate	31.1100	50	6.0	500.000		6.22	69 - 150	13.1	20	MO
Vinyl chloride	56.0200	5.0	0.92	50.0000		112	69 - 140	4.27	20	
Surrogate: 1,2-Dichloroethane-d4	*57.25*			*50.0000*		*114*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*49.67*			*50.0000*		*99.3*	*50 - 146*			
Surrogate: Dibromofluoromethane	*56.17*			*50.0000*		*112*	*77 - 159*			
Surrogate: Toluene-d8	*49.24*			*50.0000*		*98.5*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 3/22/22
Page 1 of 2

2200432

3.4°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tram Nguyen / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051							HOLD							
1	SV-14-1	3/22/22	0732	Soil	1	1			X																					
2	SV-14-5.5	"	0745	"	5	1	4			X	X	X																		
3	SV-14-15	"	0750	"	5	1	4			X	X	X																		
4	SV-15-1	"	0828	"	1	1			X																					
5	SV-15-5.5	"	0838	"	5	1	4			X	X	X																		
6	SV-15-15	"	0844	"	5	1	4			X	X	X																		
7	SV-17-1	"	0924	"	1	1			X																					
8	SV-17-5.5	"	0936	"	5	1	4			X	X	X																		
9	SV-17-15	"	0940	"	5	1	4			X	X	X																		
10	SV-16-1	"	1036	"	1	1			X																					
11	SV-16-5.5	"	1038	"	5	1	4			X	X	X																		
12	SV-16-14	"	1044	"	5	1	4			X	X	X																		
13	SV-18-1	"	1122	"	1	1			X							~~X~~	~~X~~	(TN)												
14	SV-18-5.5	"	1134	"	5	1	4			X	X	X																		
15	SV-18-14	"	1138	"	5	1	4			X	X	X																		

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/22/22	Time: 1435
Relinquished by: (Signature) 3/22/22 15:54	Received by: (Signature) Ethan Tran	Date: 3/22/22	Time: 15:54
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 3/22/22
Page 2 of 2

2200432

34°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tram Novin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
16	SV-19-1	3/22/22	1313	Soil	1	1			X									
17	SV-19-5.5	↓	1320	↓	5	1	4			X	X	X						
18	SV-19-14	↓	1325	↓	5	1	4			X	X	X						
19	TB-20220322	↓	1330	water	4		4											X

JCV

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/22/22	Time: 1435
Relinquished by: (Signature) 3/22/22 15:54	Received by: (Signature) ATL Ethan Tran	Date: 3/22/22	Time: 15:54
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

May 12, 2022

Vinnie Robino / Josh Voss
GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine, CA 92612
Tel: (949) 679-1070
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200446
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 23, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 05/12/22 15:47 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-6-1	2200446-01	Soil	3/23/22 7:48	3/23/22 16:05
SV-6-5.5	2200446-02	Soil	3/23/22 7:58	3/23/22 16:05
SV-6-14	2200446-03	Soil	3/23/22 8:02	3/23/22 16:05
SV-4-1	2200446-04	Soil	3/23/22 8:40	3/23/22 16:05
SV-4-5.5	2200446-05	Soil	3/23/22 8:48	3/23/22 16:05
SV-4-14	2200446-06	Soil	3/23/22 8:55	3/23/22 16:05
SV-7-1	2200446-07	Soil	3/23/22 9:38	3/23/22 16:05
SV-7-5.5	2200446-08	Soil	3/23/22 9:46	3/23/22 16:05
SV-7-14	2200446-09	Soil	3/23/22 9:50	3/23/22 16:05
SV-1-1	2200446-10	Soil	3/23/22 10:48	3/23/22 16:05
SV-1-5.5	2200446-11	Soil	3/23/22 10:58	3/23/22 16:05
SV-1-14	2200446-12	Soil	3/23/22 11:02	3/23/22 16:05
61W-43-2-1	2200446-13	Soil	3/23/22 12:28	3/23/22 16:05
61W-43-2-5.5	2200446-14	Soil	3/23/22 12:35	3/23/22 16:05
TB_20220323	2200446-15	Water	3/23/22 12:38	3/23/22 16:05

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Notes and Definitions

S4	Surrogate was diluted out.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M6	Matrix spike analyte was diluted out.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200446-01	SV-6-1	**ND**	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22 19:01	
2200446-04	SV-4-1	**ND**	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22 19:04	
2200446-07	SV-7-1	**ND**	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22 19:07	
2200446-10	SV-1-1	**ND**	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22 19:22	
2200446-13	61W-43-2-1	**ND**	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22 19:26	

Client Sample ID: SV-6-1
Lab ID: 2200446-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**35**	2.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Arsenic	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Barium	**90**	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Beryllium	**1.8**	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Cadmium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Chromium	**14**	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Cobalt	**4.5**	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Copper	**8.2**	2.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Lead	**3.9**	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Molybdenum	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Nickel	**9.2**	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Selenium	**1.8**	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Silver	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Thallium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Vanadium	**21**	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	
Zinc	**39**	1.0	1	B2C1409	03/28/2022	03/29/22 18:08	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-6-5.5
Lab ID: 2200446-02

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 12:37	
C23-C32	ND	10	1	B2C1366	03/24/2022	03/25/22 12:37	
Surrogate: p-Terphenyl	*85.3 %*	*62 - 141*		B2C1366	03/24/2022	*03/25/22 12:37*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,1,1-Trichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,1,2-Trichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,1-Dichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,1-Dichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,1-Dichloropropene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2,3-Trichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2-Dibromo-3-chloropropane	ND	8.5	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2-Dibromoethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2-Dichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2-Dichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2-Dichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,3-Dichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,3-Dichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,4-Dichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
2,2-Dichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
2-Chlorotoluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
4-Chlorotoluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
4-Isopropyltoluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Benzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Bromobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Bromochloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Bromodichloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Bromoform	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Bromomethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Carbon disulfide	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-6-5.5

Lab ID: 2200446-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Chlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Chloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Chloroform	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Chloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Di-isopropyl ether	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Dibromochloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Dibromomethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Dichlorodifluoromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Ethyl Acetate	ND	43	1	B2C1384	03/25/2022	03/25/22 16:14	
Ethyl Ether	ND	43	1	B2C1384	03/25/2022	03/25/22 16:14	
Ethyl tert-butyl ether	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Ethylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Freon-113	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Hexachlorobutadiene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Isopropylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
m,p-Xylene	ND	8.5	1	B2C1384	03/25/2022	03/25/22 16:14	
Methylene chloride	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
MTBE	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
n-Butylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
n-Propylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Naphthalene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
o-Xylene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
sec-Butylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Styrene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
tert-Amyl methyl ether	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
tert-Butanol	ND	85	1	B2C1384	03/25/2022	03/25/22 16:14	
tert-Butylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Tetrachloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Toluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Trichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Trichlorofluoromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Vinyl acetate	ND	43	1	B2C1384	03/25/2022	03/25/22 16:14	
Vinyl chloride	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Surrogate: 1,2-Dichloroethane-d4	*131 %*	*66 - 200*		B2C1384	03/25/2022	*03/25/22 16:14*	
Surrogate: 4-Bromofluorobenzene	*99.3 %*	*50 - 146*		B2C1384	03/25/2022	*03/25/22 16:14*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-6-5.5

Lab ID: 2200446-02

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*115 %*	*77 - 159*		B2C1384	03/25/2022	*03/25/22 16:14*	
Surrogate: Toluene-d8	*99.0 %*	*81 - 128*		B2C1384	03/25/2022	*03/25/22 16:14*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1477	03/31/2022	03/31/22 17:26	
Surrogate: 4-Bromofluorobenzene	*94.9 %*	*47.6 - 121.18*		B2C1477	03/31/2022	*03/31/22 17:26*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-6-14
Lab ID: 2200446-03

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 17:58	
C23-C32	**13**	10	1	B2C1366	03/24/2022	03/25/22 17:58	
Surrogate: p-Terphenyl	*109 %*	*62 - 141*		B2C1366	03/24/2022	*03/25/22 17:58*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,1,1-Trichloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,1,2-Trichloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,1-Dichloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,1-Dichloroethene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,1-Dichloropropene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2,3-Trichloropropane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2-Dibromoethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2-Dichlorobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2-Dichloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2-Dichloropropane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,3-Dichlorobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,3-Dichloropropane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,4-Dichlorobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
2,2-Dichloropropane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
2-Chlorotoluene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
4-Chlorotoluene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
4-Isopropyltoluene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Benzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Bromobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Bromochloromethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Bromodichloromethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Bromoform	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Bromomethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Carbon disulfide	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-6-14

Lab ID: 2200446-03

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Chlorobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Chloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Chloroform	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Chloromethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Di-isopropyl ether	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Dibromochloromethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Dibromomethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Dichlorodifluoromethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Ethyl Acetate	ND	42	1	B2C1384	03/25/2022	03/25/22 16:40	
Ethyl Ether	ND	42	1	B2C1384	03/25/2022	03/25/22 16:40	
Ethyl tert-butyl ether	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Ethylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Freon-113	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Hexachlorobutadiene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Isopropylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
m,p-Xylene	ND	8.4	1	B2C1384	03/25/2022	03/25/22 16:40	
Methylene chloride	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
MTBE	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
n-Butylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
n-Propylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Naphthalene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
o-Xylene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
sec-Butylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Styrene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
tert-Amyl methyl ether	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
tert-Butanol	ND	84	1	B2C1384	03/25/2022	03/25/22 16:40	
tert-Butylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Tetrachloroethene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Toluene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Trichloroethene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Trichlorofluoromethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Vinyl acetate	ND	42	1	B2C1384	03/25/2022	03/25/22 16:40	
Vinyl chloride	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Surrogate: 1,2-Dichloroethane-d4	*130 %*	*66 - 200*		B2C1384	03/25/2022	*03/25/22 16:40*	
Surrogate: 4-Bromofluorobenzene	*97.6 %*	*50 - 146*		B2C1384	03/25/2022	*03/25/22 16:40*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-6-14
Lab ID: 2200446-03

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*119 %*	*77 - 159*		B2C1384	03/25/2022	*03/25/22 16:40*	
Surrogate: Toluene-d8	*101 %*	*81 - 128*		B2C1384	03/25/2022	*03/25/22 16:40*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1477	03/31/2022	03/31/22 17:51	
Surrogate: 4-Bromofluorobenzene	*92.0 %*	*47.6 - 121.18*		B2C1477	03/31/2022	*03/31/22 17:51*	

Client Sample ID: SV-4-1
Lab ID: 2200446-04

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**30**	2.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Arsenic	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Barium	**83**	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Beryllium	**1.6**	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Cadmium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Chromium	**10**	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Cobalt	**3.9**	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Copper	**7.7**	2.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Lead	**3.5**	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Molybdenum	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Nickel	**8.3**	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Selenium	**1.8**	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Silver	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Thallium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Vanadium	**19**	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Zinc	**33**	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-4-5.5
Lab ID: 2200446-05

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 18:16	
C23-C32	**13**	10	1	B2C1366	03/24/2022	03/25/22 18:16	
Surrogate: p-Terphenyl	*110 %*	*62 - 141*		B2C1366	03/24/2022	*03/25/22 18:16*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,1,1-Trichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,1,2-Trichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,1-Dichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,1-Dichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,1-Dichloropropene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2,3-Trichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2-Dibromoethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2-Dichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2-Dichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2-Dichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,3-Dichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,3-Dichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,4-Dichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
2,2-Dichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
2-Chlorotoluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
4-Chlorotoluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
4-Isopropyltoluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Benzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Bromobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Bromochloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Bromodichloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Bromoform	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Bromomethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Carbon disulfide	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-4-5.5
Lab ID: 2200446-05

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Chlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Chloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Chloroform	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Chloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Di-isopropyl ether	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Dibromochloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Dibromomethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Dichlorodifluoromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Ethyl Acetate	ND	43	1	B2C1384	03/25/2022	03/25/22 17:06	
Ethyl Ether	ND	43	1	B2C1384	03/25/2022	03/25/22 17:06	
Ethyl tert-butyl ether	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Ethylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Freon-113	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Hexachlorobutadiene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Isopropylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
m,p-Xylene	ND	8.6	1	B2C1384	03/25/2022	03/25/22 17:06	
Methylene chloride	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
MTBE	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
n-Butylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
n-Propylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Naphthalene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
o-Xylene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
sec-Butylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Styrene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
tert-Amyl methyl ether	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
tert-Butanol	ND	86	1	B2C1384	03/25/2022	03/25/22 17:06	
tert-Butylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Tetrachloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Toluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Trichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Trichlorofluoromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Vinyl acetate	ND	43	1	B2C1384	03/25/2022	03/25/22 17:06	
Vinyl chloride	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Surrogate: 1,2-Dichloroethane-d4	*122 %*	*66 - 200*		B2C1384	03/25/2022	*03/25/22 17:06*	
Surrogate: 4-Bromofluorobenzene	*99.9 %*	*50 - 146*		B2C1384	03/25/2022	*03/25/22 17:06*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-4-5.5

Lab ID: 2200446-05

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*115 %*	*77 - 159*		B2C1384	03/25/2022	*03/25/22 17:06*	
Surrogate: Toluene-d8	*95.2 %*	*81 - 128*		B2C1384	03/25/2022	*03/25/22 17:06*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.83	1	B2C1477	03/31/2022	03/31/22 18:15	
Surrogate: 4-Bromofluorobenzene	*95.3 %*	*47.6 - 121.18*		B2C1477	03/31/2022	*03/31/22 18:15*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-4-14
Lab ID: 2200446-06

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 18:35	
C23-C32	**12**	10	1	B2C1366	03/24/2022	03/25/22 18:35	
Surrogate: p-Terphenyl	*86.8 %*	*62 - 141*		B2C1366	03/24/2022	*03/25/22 18:35*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,1,1-Trichloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,1,2,2-Tetrachloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,1,2-Trichloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,1-Dichloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,1-Dichloroethene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,1-Dichloropropene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2,3-Trichloropropane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2,3-Trichlorobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2,4-Trichlorobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2,4-Trimethylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2-Dibromoethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2-Dichlorobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2-Dichloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2-Dichloropropane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,3,5-Trimethylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,3-Dichlorobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,3-Dichloropropane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,4-Dichlorobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
2,2-Dichloropropane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
2-Chlorotoluene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
4-Chlorotoluene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
4-Isopropyltoluene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Benzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Bromobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Bromochloromethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Bromodichloromethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Bromoform	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Bromomethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Carbon disulfide	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-4-14
Lab ID: 2200446-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Chlorobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Chloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Chloroform	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Chloromethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
cis-1,2-Dichloroethene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
cis-1,3-Dichloropropene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Di-isopropyl ether	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Dibromochloromethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Dibromomethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Dichlorodifluoromethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Ethyl Acetate	ND	54	1	B2C1384	03/25/2022	03/25/22 17:32	
Ethyl Ether	ND	54	1	B2C1384	03/25/2022	03/25/22 17:32	
Ethyl tert-butyl ether	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Ethylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Freon-113	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Hexachlorobutadiene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Isopropylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
m,p-Xylene	ND	11	1	B2C1384	03/25/2022	03/25/22 17:32	
Methylene chloride	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
MTBE	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
n-Butylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
n-Propylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Naphthalene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
o-Xylene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
sec-Butylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Styrene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
tert-Amyl methyl ether	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
tert-Butanol	ND	110	1	B2C1384	03/25/2022	03/25/22 17:32	
tert-Butylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Tetrachloroethene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Toluene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
trans-1,2-Dichloroethene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
trans-1,3-Dichloropropene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Trichloroethene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Trichlorofluoromethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Vinyl acetate	ND	54	1	B2C1384	03/25/2022	03/25/22 17:32	
Vinyl chloride	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Surrogate: 1,2-Dichloroethane-d4	*125 %*	*66 - 200*		B2C1384	03/25/2022	*03/25/22 17:32*	
Surrogate: 4-Bromofluorobenzene	*92.2 %*	*50 - 146*		B2C1384	03/25/2022	*03/25/22 17:32*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-4-14
Lab ID: 2200446-06

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*117 %*	*77 - 159*		B2C1384	03/25/2022	*03/25/22 17:32*	
Surrogate: Toluene-d8	*94.7 %*	*81 - 128*		B2C1384	03/25/2022	*03/25/22 17:32*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C1477	03/31/2022	03/31/22 18:40	
Surrogate: 4-Bromofluorobenzene	*93.6 %*	*47.6 - 121.18*		B2C1477	03/31/2022	*03/31/22 18:40*	

Client Sample ID: SV-7-1
Lab ID: 2200446-07

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**34**	2.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Arsenic	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Barium	**90**	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Beryllium	**1.8**	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Cadmium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Chromium	**12**	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Cobalt	**4.5**	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Copper	**8.4**	2.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Lead	**2.5**	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Molybdenum	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Nickel	**9.2**	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Selenium	**1.3**	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Silver	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Thallium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Vanadium	**22**	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Zinc	**36**	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-7-5.5

Lab ID: 2200446-08

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 18:54	
C23-C32	ND	10	1	B2C1366	03/24/2022	03/25/22 18:54	
Surrogate: p-Terphenyl	*80.6 %*	*62 - 141*		B2C1366	03/24/2022	*03/25/22 18:54*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,1,1-Trichloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,1,2-Trichloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,1-Dichloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,1-Dichloroethene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,1-Dichloropropene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2,3-Trichloropropane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2-Dibromo-3-chloropropane	ND	7.8	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2-Dibromoethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2-Dichlorobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2-Dichloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2-Dichloropropane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,3-Dichlorobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,3-Dichloropropane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,4-Dichlorobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
2,2-Dichloropropane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
2-Chlorotoluene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
4-Chlorotoluene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
4-Isopropyltoluene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Benzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Bromobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Bromochloromethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Bromodichloromethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Bromoform	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Bromomethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Carbon disulfide	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-7-5.5

Lab ID: 2200446-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Chlorobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Chloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Chloroform	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Chloromethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Di-isopropyl ether	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Dibromochloromethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Dibromomethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Dichlorodifluoromethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Ethyl Acetate	ND	39	1	B2C1384	03/25/2022	03/25/22 17:58	
Ethyl Ether	ND	39	1	B2C1384	03/25/2022	03/25/22 17:58	
Ethyl tert-butyl ether	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Ethylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Freon-113	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Hexachlorobutadiene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Isopropylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
m,p-Xylene	ND	7.8	1	B2C1384	03/25/2022	03/25/22 17:58	
Methylene chloride	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
MTBE	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
n-Butylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
n-Propylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Naphthalene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
o-Xylene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
sec-Butylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Styrene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
tert-Amyl methyl ether	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
tert-Butanol	ND	78	1	B2C1384	03/25/2022	03/25/22 17:58	
tert-Butylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Tetrachloroethene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Toluene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Trichloroethene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Trichlorofluoromethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Vinyl acetate	ND	39	1	B2C1384	03/25/2022	03/25/22 17:58	
Vinyl chloride	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Surrogate: 1,2-Dichloroethane-d4	*134 %*	*66 - 200*		B2C1384	03/25/2022	*03/25/22 17:58*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*50 - 146*		B2C1384	03/25/2022	*03/25/22 17:58*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-7-5.5

Lab ID: 2200446-08

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*118 %*	*77 - 159*		B2C1384	03/25/2022	*03/25/22 17:58*	
Surrogate: Toluene-d8	*95.4 %*	*81 - 128*		B2C1384	03/25/2022	*03/25/22 17:58*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1477	03/31/2022	03/31/22 19:05	
Surrogate: 4-Bromofluorobenzene	*88.9 %*	*47.6 - 121.18*		B2C1477	03/31/2022	*03/31/22 19:05*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-7-14
Lab ID: 2200446-09

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 19:13	
C23-C32	**12**	10	1	B2C1366	03/24/2022	03/25/22 19:13	
Surrogate: p-Terphenyl	*87.6 %*	*62 - 141*		B2C1366	03/24/2022	*03/25/22 19:13*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,1,1-Trichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,1,2-Trichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,1-Dichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,1-Dichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,1-Dichloropropene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2,3-Trichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2-Dibromoethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2-Dichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2-Dichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2-Dichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,3-Dichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,3-Dichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,4-Dichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
2,2-Dichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
2-Chlorotoluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
4-Chlorotoluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
4-Isopropyltoluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Benzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Bromobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Bromochloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Bromodichloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Bromoform	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Bromomethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Carbon disulfide	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-7-14

Lab ID: 2200446-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Chlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Chloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Chloroform	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Chloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Di-isopropyl ether	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Dibromochloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Dibromomethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Dichlorodifluoromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Ethyl Acetate	ND	46	1	B2C1384	03/25/2022	03/25/22 18:24	
Ethyl Ether	ND	46	1	B2C1384	03/25/2022	03/25/22 18:24	
Ethyl tert-butyl ether	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Ethylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Freon-113	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Hexachlorobutadiene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Isopropylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
m,p-Xylene	ND	9.1	1	B2C1384	03/25/2022	03/25/22 18:24	
Methylene chloride	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
MTBE	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
n-Butylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
n-Propylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Naphthalene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
o-Xylene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
sec-Butylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Styrene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
tert-Amyl methyl ether	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
tert-Butanol	ND	91	1	B2C1384	03/25/2022	03/25/22 18:24	
tert-Butylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Tetrachloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Toluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Trichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Trichlorofluoromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Vinyl acetate	ND	46	1	B2C1384	03/25/2022	03/25/22 18:24	
Vinyl chloride	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Surrogate: 1,2-Dichloroethane-d4	*137 %*	*66 - 200*		B2C1384	03/25/2022	*03/25/22 18:24*	
Surrogate: 4-Bromofluorobenzene	*98.6 %*	*50 - 146*		B2C1384	03/25/2022	*03/25/22 18:24*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-7-14
Lab ID: 2200446-09

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*126 %*	*77 - 159*		B2C1384	03/25/2022	*03/25/22 18:24*	
Surrogate: Toluene-d8	*95.4 %*	*81 - 128*		B2C1384	03/25/2022	*03/25/22 18:24*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.95	1	B2C1477	03/31/2022	03/31/22 19:29	
Surrogate: 4-Bromofluorobenzene	*93.1 %*	*47.6 - 121.18*		B2C1477	03/31/2022	*03/31/22 19:29*	

Client Sample ID: SV-1-1
Lab ID: 2200446-10

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**38**	2.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Arsenic	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Barium	**99**	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Beryllium	**2.1**	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Cadmium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Chromium	**14**	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Cobalt	**4.8**	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Copper	**9.0**	2.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Lead	**2.4**	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Molybdenum	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Nickel	**9.2**	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Selenium	**1.2**	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Silver	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Thallium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Vanadium	**22**	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Zinc	**36**	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-1-5.5
Lab ID: 2200446-11

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 19:32	
C23-C32	**13**	10	1	B2C1366	03/24/2022	03/25/22 19:32	
Surrogate: p-Terphenyl	*95.7 %*	*62 - 141*		B2C1366	03/24/2022	*03/25/22 19:32*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,1,1-Trichloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,1,2-Trichloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,1-Dichloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,1-Dichloroethene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,1-Dichloropropene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2,3-Trichloropropane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2,3-Trichlorobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2,4-Trichlorobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2,4-Trimethylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2-Dibromoethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2-Dichlorobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2-Dichloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2-Dichloropropane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,3,5-Trimethylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,3-Dichlorobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,3-Dichloropropane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,4-Dichlorobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
2,2-Dichloropropane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
2-Chlorotoluene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
4-Chlorotoluene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
4-Isopropyltoluene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Benzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Bromobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Bromochloromethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Bromodichloromethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Bromoform	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Bromomethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Carbon disulfide	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-1-5.5

Lab ID: 2200446-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Chlorobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Chloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Chloroform	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Chloromethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
cis-1,2-Dichloroethene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
cis-1,3-Dichloropropene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Di-isopropyl ether	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Dibromochloromethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Dibromomethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Dichlorodifluoromethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Ethyl Acetate	ND	37	1	B2C1384	03/25/2022	03/25/22 18:50	
Ethyl Ether	ND	37	1	B2C1384	03/25/2022	03/25/22 18:50	
Ethyl tert-butyl ether	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Ethylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Freon-113	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Hexachlorobutadiene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Isopropylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
m,p-Xylene	ND	7.3	1	B2C1384	03/25/2022	03/25/22 18:50	
Methylene chloride	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
MTBE	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
n-Butylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
n-Propylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Naphthalene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
o-Xylene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
sec-Butylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Styrene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
tert-Amyl methyl ether	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
tert-Butanol	ND	73	1	B2C1384	03/25/2022	03/25/22 18:50	
tert-Butylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Tetrachloroethene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Toluene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
trans-1,2-Dichloroethene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
trans-1,3-Dichloropropene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Trichloroethene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Trichlorofluoromethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Vinyl acetate	ND	37	1	B2C1384	03/25/2022	03/25/22 18:50	
Vinyl chloride	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Surrogate: 1,2-Dichloroethane-d4	*138 %*	*66 - 200*		B2C1384	03/25/2022	*03/25/22 18:50*	
Surrogate: 4-Bromofluorobenzene	*99.1 %*	*50 - 146*		B2C1384	03/25/2022	*03/25/22 18:50*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-1-5.5

Lab ID: 2200446-11

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*127 %*	*77 - 159*		B2C1384	03/25/2022	*03/25/22 18:50*	
Surrogate: Toluene-d8	*95.3 %*	*81 - 128*		B2C1384	03/25/2022	*03/25/22 18:50*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) **Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.72	1	B2C1477	03/31/2022	03/31/22 19:54	
Surrogate: 4-Bromofluorobenzene	*99.0 %*	*47.6 - 121.18*		B2C1477	03/31/2022	*03/31/22 19:54*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-1-14
Lab ID: 2200446-12

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 19:51	
C23-C32	ND	10	1	B2C1366	03/24/2022	03/25/22 19:51	
Surrogate: p-Terphenyl	*91.1 %*	*62 - 141*		B2C1366	03/24/2022	*03/25/22 19:51*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,1,1-Trichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,1,2-Trichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,1-Dichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,1-Dichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,1-Dichloropropene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2,3-Trichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2-Dibromoethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2-Dichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2-Dichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2-Dichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,3-Dichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,3-Dichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,4-Dichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
2,2-Dichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
2-Chlorotoluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
4-Chlorotoluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
4-Isopropyltoluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Benzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Bromobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Bromochloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Bromodichloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Bromoform	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Bromomethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Carbon disulfide	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-1-14
Lab ID: 2200446-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Chlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Chloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Chloroform	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Chloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Di-isopropyl ether	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Dibromochloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Dibromomethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Dichlorodifluoromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Ethyl Acetate	ND	46	1	B2C1384	03/25/2022	03/25/22 19:16	
Ethyl Ether	ND	46	1	B2C1384	03/25/2022	03/25/22 19:16	
Ethyl tert-butyl ether	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Ethylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Freon-113	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Hexachlorobutadiene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Isopropylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
m,p-Xylene	ND	9.1	1	B2C1384	03/25/2022	03/25/22 19:16	
Methylene chloride	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
MTBE	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
n-Butylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
n-Propylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Naphthalene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
o-Xylene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
sec-Butylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Styrene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
tert-Amyl methyl ether	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
tert-Butanol	ND	91	1	B2C1384	03/25/2022	03/25/22 19:16	
tert-Butylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Tetrachloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Toluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Trichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Trichlorofluoromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Vinyl acetate	ND	46	1	B2C1384	03/25/2022	03/25/22 19:16	
Vinyl chloride	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Surrogate: 1,2-Dichloroethane-d4	*131 %*	*66 - 200*		B2C1384	03/25/2022	*03/25/22 19:16*	
Surrogate: 4-Bromofluorobenzene	*93.7 %*	*50 - 146*		B2C1384	03/25/2022	*03/25/22 19:16*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: SV-1-14
Lab ID: 2200446-12

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*124 %*	*77 - 159*		B2C1384	03/25/2022	*03/25/22 19:16*	
Surrogate: Toluene-d8	*96.3 %*	*81 - 128*		B2C1384	03/25/2022	*03/25/22 19:16*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1477	03/31/2022	03/31/22 20:18	
Surrogate: 4-Bromofluorobenzene	*92.2 %*	*47.6 - 121.18*		B2C1477	03/31/2022	*03/31/22 20:18*	

Client Sample ID: 61W-43-2-1
Lab ID: 2200446-13

Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**39**	2.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Arsenic	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Barium	**100**	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Beryllium	**2.0**	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Cadmium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Chromium	**14**	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Cobalt	**5.1**	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Copper	**12**	2.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Lead	**2.5**	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Molybdenum	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Nickel	**9.8**	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Selenium	**1.3**	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Silver	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Thallium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Vanadium	**24**	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Zinc	**37**	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-43-2-5.5

Lab ID: 2200446-14

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Acenaphthene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Acenaphthylene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Anthracene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Benzo(a)anthracene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Benzo(a)pyrene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Benzo(b)fluoranthene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Benzo(k)fluoranthene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Chrysene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Fluoranthene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Fluorene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Naphthalene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Phenanthrene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Pyrene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Surrogate: 1,2-Dichlorobenzene-d4	*68.3 %*	*12 - 125*		B2C1371	03/24/2022	*03/24/22 17:26*	
Surrogate: 2-Fluorobiphenyl	*99.8 %*	*14 - 139*		B2C1371	03/24/2022	*03/24/22 17:26*	
Surrogate: Nitrobenzene-d5	*66.5 %*	*8 - 155*		B2C1371	03/24/2022	*03/24/22 17:26*	
Surrogate: 4-Terphenyl-d14	*103 %*	*16 - 152*		B2C1371	03/24/2022	*03/24/22 17:26*	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 20:10	
C23-C32	**13**	10	1	B2C1366	03/24/2022	03/25/22 20:10	
Surrogate: p-Terphenyl	*92.9 %*	*62 - 141*		B2C1366	03/24/2022	*03/25/22 20:10*	

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,1,1-Trichloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,1,2-Trichloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-43-2-5.5

Lab ID: 2200446-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B **Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,1-Dichloroethene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,1-Dichloropropene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2,3-Trichloropropane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2-Dibromoethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2-Dichlorobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2-Dichloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2-Dichloropropane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,3-Dichlorobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,3-Dichloropropane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,4-Dichlorobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
2,2-Dichloropropane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
2-Chlorotoluene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
4-Chlorotoluene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
4-Isopropyltoluene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Benzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Bromobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Bromochloromethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Bromodichloromethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Bromoform	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Bromomethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Carbon disulfide	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Carbon tetrachloride	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Chlorobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Chloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Chloroform	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Chloromethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Di-isopropyl ether	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Dibromochloromethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Dibromomethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Dichlorodifluoromethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Ethyl Acetate	ND	41	1	B2C1384	03/25/2022	03/25/22 19:42	
Ethyl Ether	ND	41	1	B2C1384	03/25/2022	03/25/22 19:42	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Client Sample ID: 61W-43-2-5.5

Lab ID: 2200446-14

Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Ethylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Freon-113	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Hexachlorobutadiene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Isopropylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
m,p-Xylene	ND	8.2	1	B2C1384	03/25/2022	03/25/22 19:42	
Methylene chloride	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
MTBE	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
n-Butylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
n-Propylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Naphthalene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
o-Xylene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
sec-Butylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Styrene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
tert-Amyl methyl ether	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
tert-Butanol	ND	82	1	B2C1384	03/25/2022	03/25/22 19:42	
tert-Butylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Tetrachloroethene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Toluene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Trichloroethene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Trichlorofluoromethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Vinyl acetate	ND	41	1	B2C1384	03/25/2022	03/25/22 19:42	
Vinyl chloride	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Surrogate: 1,2-Dichloroethane-d4	*136 %*	*66 - 200*		B2C1384	03/25/2022	*03/25/22 19:42*	
Surrogate: 4-Bromofluorobenzene	*99.7 %*	*50 - 146*		B2C1384	03/25/2022	*03/25/22 19:42*	
Surrogate: Dibromofluoromethane	*120 %*	*77 - 159*		B2C1384	03/25/2022	*03/25/22 19:42*	
Surrogate: Toluene-d8	*94.9 %*	*81 - 128*		B2C1384	03/25/2022	*03/25/22 19:42*	

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.81	1	B2C1477	03/31/2022	03/31/22 20:43	
Surrogate: 4-Bromofluorobenzene	*96.8 %*	*47.6 - 121.18*		B2C1477	03/31/2022	*03/31/22 20:43*	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

QUALITY CONTROL SECTION

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1371 - MSSEMI_S										
Blank (B2C1371-BLK1)						Prepared: 3/24/2022 Analyzed: 3/24/2022				
2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	ND	5.0	0.45							
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	ND	5.0	0.34							
Pyrene	ND	5.0	0.51							
Surrogate: 1,2-Dichlorobenzene-d4	*23.51*			*33.3333*		*70.5*	*12 - 125*			
Surrogate: 2-Fluorobiphenyl	*33.94*			*33.3333*		*102*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*16.25*			*33.3333*		*48.7*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*36.46*			*33.3333*		*109*	*16 - 152*			
LCS (B2C1371-BS1)						Prepared: 3/24/2022 Analyzed: 3/24/2022				
2-Methylnaphthalene	24.2757	5.0	0.60	33.3333		72.8	39 - 92			
Acenaphthene	28.0400	5.0	0.41	33.3333		84.1	35 - 94			
Acenaphthylene	27.9607	5.0	0.41	33.3333		83.9	31 - 101			
Anthracene	28.4383	5.0	0.56	33.3333		85.3	37 - 95			
Benzo(a)anthracene	32.0093	5.0	0.56	33.3333		96.0	43 - 102			
Benzo(a)pyrene	29.0117	5.0	0.69	33.3333		87.0	38 - 95			
Benzo(b)fluoranthene	37.2260	5.0	2.2	33.3333		112	44 - 102			L3
Benzo(g,h,i)perylene	18.9907	5.0	0.80	33.3333		57.0	34 - 114			
Benzo(k)fluoranthene	36.3160	5.0	0.70	33.3333		109	34 - 110			
Chrysene	31.0920	5.0	0.61	33.3333		93.3	46 - 101			
Dibenz(a,h)anthracene	21.8893	5.0	0.88	33.3333		65.7	35 - 117			
Fluoranthene	33.0430	5.0	0.45	33.3333		99.1	46 - 107			
Fluorene	28.7853	5.0	0.35	33.3333		86.4	35 - 98			
Indeno(1,2,3-cd)pyrene	20.7687	5.0	0.82	33.3333		62.3	35 - 114			
Naphthalene	23.7917	5.0	0.56	33.3333		71.4	39 - 86			
Phenanthrene	30.6460	5.0	0.34	33.3333		91.9	43 - 98			
Pyrene	31.3097	5.0	0.51	33.3333		93.9	44 - 108			
Surrogate: 1,2-Dichlorobenzene-d4	*22.80*			*33.3333*		*68.4*	*12 - 125*			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1371 - MSSEMI_S (continued)										
LCS (B2C1371-BS1) - Continued						Prepared: 3/24/2022 Analyzed: 3/24/2022				
Surrogate: 2-Fluorobiphenyl	*32.00*			*33.3333*		*96.0*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*12.64*			*33.3333*		*37.9*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*33.33*			*33.3333*		*100*	*16 - 152*			
Matrix Spike (B2C1371-MS1)		**Source: 2200452-03**				Prepared: 3/24/2022 Analyzed: 3/24/2022				
2-Methylnaphthalene	ND	2500	300	33.3333	ND	NR	43 - 120			M6
Acenaphthene	ND	2500	200	33.3333	ND	NR	52 - 113			M6
Acenaphthylene	350.667	2500	200	33.3333	238.333	337	44 - 126			M6
Anthracene	ND	2500	280	33.3333	ND	NR	49 - 128			M6
Benzo(a)anthracene	ND	2500	280	33.3333	ND	NR	32 - 158			M6
Benzo(a)pyrene	ND	2500	340	33.3333	ND	NR	39 - 137			M6
Benzo(b)fluoranthene	ND	2500	1100	33.3333	ND	NR	52 - 132			M6
Benzo(g,h,i)perylene	ND	2500	400	33.3333	ND	NR	35 - 162			M6
Benzo(k)fluoranthene	ND	2500	350	33.3333	ND	NR	18 - 153			M6
Chrysene	ND	2500	300	33.3333	ND	NR	25 - 160			M6
Dibenz(a,h)anthracene	ND	2500	440	33.3333	ND	NR	41 - 155			M6
Fluoranthene	ND	2500	220	33.3333	ND	NR	5 - 185			M6
Fluorene	ND	2500	180	33.3333	ND	NR	28 - 135			M6
Indeno(1,2,3-cd)pyrene	ND	2500	410	33.3333	ND	NR	36 - 162			M6
Naphthalene	ND	2500	280	33.3333	ND	NR	41 - 113			M6
Phenanthrene	ND	2500	170	33.3333	ND	NR	35 - 143			M6
Pyrene	ND	2500	260	33.3333	ND	NR	10 - 184			M6
Surrogate: 1,2-Dichlorobenzene-d4	*53.50*			*33.3333*		*160*	*12 - 125*			S4
Surrogate: 2-Fluorobiphenyl	*43.17*			*33.3333*		*130*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*4.000*			*33.3333*		*12.0*	*8 - 155*			
Surrogate: 4-Terphenyl-d14	*96.83*			*33.3333*		*290*	*16 - 152*			S4
Matrix Spike Dup (B2C1371-MSD1)		**Source: 2200452-03**				Prepared: 3/24/2022 Analyzed: 3/24/2022				
2-Methylnaphthalene	ND	2500	300	33.3333	ND	NR	43 - 120	NR	20	M6
Acenaphthene	ND	2500	200	33.3333	ND	NR	52 - 113	NR	20	M6
Acenaphthylene	254.667	2500	200	33.3333	238.333	49.0	44 - 126	31.7	20	M6
Anthracene	ND	2500	280	33.3333	ND	NR	49 - 128	NR	20	M6
Benzo(a)anthracene	ND	2500	280	33.3333	ND	NR	32 - 158	NR	20	M6
Benzo(a)pyrene	ND	2500	340	33.3333	ND	NR	39 - 137	NR	20	M6
Benzo(b)fluoranthene	ND	2500	1100	33.3333	ND	NR	52 - 132	NR	20	M6
Benzo(g,h,i)perylene	ND	2500	400	33.3333	ND	NR	35 - 162	NR	20	M6
Benzo(k)fluoranthene	ND	2500	350	33.3333	ND	NR	18 - 153	NR	20	M6
Chrysene	ND	2500	300	33.3333	ND	NR	25 - 160	NR	20	M6
Dibenz(a,h)anthracene	ND	2500	440	33.3333	ND	NR	41 - 155	NR	20	M6
Fluoranthene	ND	2500	220	33.3333	ND	NR	5 - 185	NR	20	M6
Fluorene	ND	2500	180	33.3333	ND	NR	28 - 135	NR	20	M6
Indeno(1,2,3-cd)pyrene	ND	2500	410	33.3333	ND	NR	36 - 162	NR	20	M6
Naphthalene	ND	2500	280	33.3333	ND	NR	41 - 113	NR	20	M6
Phenanthrene	ND	2500	170	33.3333	ND	NR	35 - 143	NR	20	M6
Pyrene	ND	2500	260	33.3333	ND	NR	10 - 184	NR	20	M6

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1371 - MSSEMI_S (continued)									
Matrix Spike Dup (B2C1371-MSD1) - Continued			**Source: 2200452-03**		Prepared: 3/24/2022 Analyzed: 3/24/2022				
Surrogate: 1,2-Dichlorobenzene-d4	*47.00*		*33.3333*		*141*	*12 - 125*			S4
Surrogate: 2-Fluorobiphenyl	*44.17*		*33.3333*		*132*	*14 - 139*			
Surrogate: Nitrobenzene-d5	*2.000*		*33.3333*		*6.00*	*8 - 155*			S4
Surrogate: 4-Terphenyl-d14	*111.5*		*33.3333*		*335*	*16 - 152*			S4

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1477 - GCVOA_S										
Blank (B2C1477-BLK1)						Prepared: 3/31/2022 Analyzed: 3/31/2022				
C4-C12	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.6973*			*0.800000*		*87.2*	*47.6 - 121.18*			
LCS (B2C1477-BS1)						Prepared: 3/31/2022 Analyzed: 3/31/2022				
Gasoline Range Organics	5.22300	1.0	0.13	5.00000		104	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.7057*			*0.800000*		*88.2*	*47.6 - 121.18*			
LCS Dup (B2C1477-BSD1)						Prepared: 3/31/2022 Analyzed: 3/31/2022				
Gasoline Range Organics	5.16700	1.0	0.13	5.00000		103	68.69 - 124.04	1.08	20	
Surrogate: 4-Bromofluorobenzene	*0.6977*			*0.800000*		*87.2*	*47.6 - 121.18*			
Duplicate (B2C1477-DUP1)			**Source: 2200462-01**			Prepared: 3/31/2022 Analyzed: 3/31/2022				
Gasoline Range Organics	ND	1.0	0.13		ND			NR	20	
Surrogate: 4-Bromofluorobenzene	*0.4018*			*0.800000*		*50.2*	*47.6 - 121.18*			
Matrix Spike (B2C1477-MS1)			**Source: 2200462-01**			Prepared: 3/31/2022 Analyzed: 3/31/2022				
Gasoline Range Organics	1.89600	1.0	0.13	5.00000	ND	37.9	37.92 - 128.32			
Surrogate: 4-Bromofluorobenzene	*0.3829*			*0.800000*		*47.9*	*47.6 - 121.18*			
Matrix Spike Dup (B2C1477-MSD1)			**Source: 2200462-01**			Prepared: 3/31/2022 Analyzed: 3/31/2022				
Gasoline Range Organics	4.73207	1.0	0.13	4.98008	ND	95.0	37.92 - 128.32	85.6	20	R
Surrogate: 4-Bromofluorobenzene	*0.7745*			*0.800000*		*96.8*	*47.6 - 121.18*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1409 - EPA 3050B_S										
Blank (B2C1409-BLK1)						Prepared: 3/28/2022 Analyzed: 3/30/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2C1409-BS1)						Prepared: 3/28/2022 Analyzed: 3/29/2022				
Antimony	21.7722	2.0	0.51	25.0000		87.1	80 - 120			
Arsenic	23.7402	1.0	0.12	25.0000		95.0	80 - 120			
Barium	23.9424	1.0	0.12	25.0000		95.8	80 - 120			
Beryllium	23.9841	1.0	0.03	25.0100		95.9	80 - 120			
Cadmium	24.3694	1.0	0.14	25.0000		97.5	80 - 120			
Chromium	23.9900	1.0	0.26	25.0000		96.0	80 - 120			
Cobalt	22.6014	1.0	0.07	25.0000		90.4	80 - 120			
Copper	23.9192	2.0	0.19	25.0000		95.7	80 - 120			
Lead	26.0488	1.0	0.18	25.0000		104	80 - 120			
Molybdenum	25.9662	1.0	0.12	25.0000		104	80 - 120			
Nickel	22.9430	1.0	0.18	25.0000		91.8	80 - 120			
Selenium	24.4435	1.0	0.40	25.0000		97.8	80 - 120			
Silver	11.2906	1.0	0.12	12.5000		90.3	80 - 120			
Thallium	24.3085	1.0	0.38	25.0000		97.2	80 - 120			
Vanadium	22.0229	1.0	0.06	25.0000		88.1	80 - 120			
Zinc	26.0691	1.0	0.15	25.0000		104	80 - 120			
Matrix Spike (B2C1409-MS1)			**Source: 2200337-08**			Prepared: 3/28/2022 Analyzed: 3/29/2022				
Antimony	75.7257	2.0	0.51	25.0000	57.6155	72.4	0 - 102			
Arsenic	23.3606	1.0	0.12	25.0000	1.22397	88.5	55 - 117			
Barium	136.440	1.0	0.12	25.0000	111.199	101	11 - 177			
Beryllium	19.4669	1.0	0.03	25.0100	0.928002	74.1	64 - 115			
Cadmium	24.7568	1.0	0.14	25.0000	0.373698	97.5	62 - 116			
Chromium	41.8873	1.0	0.26	25.0000	19.9629	87.7	42 - 145			
Cobalt	31.2966	1.0	0.07	25.0000	8.66040	90.5	60 - 126			
Copper	45.8698	2.0	0.19	25.0000	21.1322	99.0	37 - 163			
Lead	23.6503	1.0	0.18	25.0000	4.19301	77.8	26 - 161			

Certificate of Analysis

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19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1409 - EPA 3050B_S (continued)										
Matrix Spike (B2C1409-MS1) - Continued			**Source: 2200337-08**			Prepared: 3/28/2022 Analyzed: 3/29/2022				
Molybdenum	22.1685	1.0	0.12	25.0000	ND	88.7	31 - 122			
Nickel	38.1819	1.0	0.18	25.0000	18.2746	79.6	52 - 130			
Selenium	24.1798	1.0	0.40	25.0000	1.80861	89.5	25 - 129			
Silver	10.9391	1.0	0.12	12.5000	ND	87.5	48 - 133			
Thallium	20.6906	1.0	0.38	25.0000	ND	82.8	25 - 119			
Vanadium	36.5630	1.0	0.06	25.0000	13.8787	90.7	51 - 141			
Zinc	80.9784	1.0	0.15	25.0000	61.1714	79.2	8 - 170			
Matrix Spike Dup (B2C1409-MSD1)			**Source: 2200337-08**			Prepared: 3/28/2022 Analyzed: 3/29/2022				
Antimony	75.2864	2.0	0.51	25.0000	57.6155	70.7	0 - 102	0.582	20	
Arsenic	22.9350	1.0	0.12	25.0000	1.22397	86.8	55 - 117	1.84	20	
Barium	135.112	1.0	0.12	25.0000	111.199	95.7	11 - 177	0.978	20	
Beryllium	19.1815	1.0	0.03	25.0100	0.928002	73.0	64 - 115	1.48	20	
Cadmium	22.8548	1.0	0.14	25.0000	0.373698	89.9	62 - 116	7.99	20	
Chromium	41.9306	1.0	0.26	25.0000	19.9629	87.9	42 - 145	0.103	20	
Cobalt	31.3608	1.0	0.07	25.0000	8.66040	90.8	60 - 126	0.205	20	
Copper	44.4502	2.0	0.19	25.0000	21.1322	93.3	37 - 163	3.14	20	
Lead	23.3870	1.0	0.18	25.0000	4.19301	76.8	26 - 161	1.12	20	
Molybdenum	22.0961	1.0	0.12	25.0000	ND	88.4	31 - 122	0.327	20	
Nickel	37.7250	1.0	0.18	25.0000	18.2746	77.8	52 - 130	1.20	20	
Selenium	24.5080	1.0	0.40	25.0000	1.80861	90.8	25 - 129	1.35	20	
Silver	10.8710	1.0	0.12	12.5000	ND	87.0	48 - 133	0.624	20	
Thallium	20.7549	1.0	0.38	25.0000	ND	83.0	25 - 119	0.310	20	
Vanadium	36.4523	1.0	0.06	25.0000	13.8787	90.3	51 - 141	0.303	20	
Zinc	80.5101	1.0	0.15	25.0000	61.1714	77.4	8 - 170	0.580	20	

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1405 - EPA 7471_S										
Blank (B2C1405-BLK1)						Prepared: 3/28/2022 Analyzed: 3/30/2022				
Mercury	ND	0.10	0.01							
LCS (B2C1405-BS1)						Prepared: 3/28/2022 Analyzed: 3/31/2022				
Mercury	0.454490	0.10	0.01	0.416667		109	80 - 120			
Matrix Spike (B2C1405-MS1)			**Source: 2200337-08**			Prepared: 3/28/2022 Analyzed: 3/30/2022				
Mercury	0.596987	0.10	0.01	0.416667	ND	143	70 - 130			M2
Matrix Spike (B2C1405-MS2)			**Source: 2200343-01**			Prepared: 3/28/2022 Analyzed: 3/30/2022				
Mercury	0.594881	0.10	0.01	0.416667	ND	143	70 - 130			M2
Matrix Spike Dup (B2C1405-MSD1)			**Source: 2200337-08**			Prepared: 3/28/2022 Analyzed: 3/30/2022				
Mercury	0.599875	0.10	0.01	0.416667	ND	144	70 - 130	0.483	20	M2

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1405 - EPA 7471_S									
Post Spike (B2C1405-PS1)			**Source: 2200337-08**		Prepared: 3/28/2022 Analyzed: 3/30/2022				
Mercury	0.003902		5.00000E-3	-0.000200	78.0	85 - 115			M2

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1366 - GCSEMI_DRO_S										
Blank (B2C1366-BLK1)						Prepared: 3/24/2022 Analyzed: 3/25/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
Surrogate: p-Terphenyl	*69.31*			*80.0000*		*86.6*	*62 - 141*			
LCS (B2C1366-BS1)						Prepared: 3/24/2022 Analyzed: 3/25/2022				
DRO	925.202	10	3.6	1000.00		92.5	56 - 139			
Surrogate: p-Terphenyl	*77.79*			*80.0000*		*97.2*	*62 - 141*			
Matrix Spike (B2C1366-MS1)			**Source: 2200446-02**			Prepared: 3/24/2022 Analyzed: 3/25/2022				
DRO	945.348	10	3.6	1000.00	ND	94.5	38 - 161			
Surrogate: p-Terphenyl	*74.86*			*80.0000*		*93.6*	*62 - 141*			
Matrix Spike Dup (B2C1366-MSD1)			**Source: 2200446-02**			Prepared: 3/24/2022 Analyzed: 3/25/2022				
DRO	932.511	10	3.6	1000.00	ND	93.3	38 - 161	1.37	20	
Surrogate: p-Terphenyl	*75.01*			*80.0000*		*93.8*	*62 - 141*			

Certificate of Analysis

GSI Environmental, Inc.	Project Number : Ontario Airport / 5925
19200 Von Karman Ave., Suite 800	Report To : Vinnie Robino / Josh Voss
Irvine , CA 92612	Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1384 - MSVOA_S										
Blank (B2C1384-BLK1)							Prepared: 3/25/2022 Analyzed: 3/25/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							

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19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1384 - MSVOA_S (continued)										
Blank (B2C1384-BLK1) - Continued						Prepared: 3/25/2022 Analyzed: 3/25/2022				
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Amyl methyl ether	ND	5.0	1.1							
tert-Butanol	ND	100	11							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*56.96*			*50.0000*		*114*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*47.18*			*50.0000*		*94.4*	*50 - 146*			
Surrogate: Dibromofluoromethane	*56.14*			*50.0000*		*112*	*77 - 159*			
Surrogate: Toluene-d8	*48.52*			*50.0000*		*97.0*	*81 - 128*			
LCS (B2C1384-BS1)						Prepared: 3/25/2022 Analyzed: 3/25/2022				
1,1,1,2-Tetrachloroethane	46.5600	5.0	0.52	50.0000		93.1	84 - 123			
1,1,1-Trichloroethane	52.1100	5.0	0.26	50.0000		104	78 - 133			
1,1,2,2-Tetrachloroethane	43.5900	5.0	0.21	50.0000		87.2	63 - 127			
1,1,2-Trichloroethane	47.6100	5.0	0.40	50.0000		95.2	80 - 125			
1,1-Dichloroethane	51.8600	5.0	1.4	50.0000		104	77 - 128			
1,1-Dichloroethene	51.8200	5.0	1.9	50.0000		104	69 - 138			
1,1-Dichloropropene	48.9600	5.0	0.54	50.0000		97.9	80 - 133			
1,2,3-Trichloropropane	48.6500	5.0	0.40	50.0000		97.3	74 - 123			
1,2,3-Trichlorobenzene	43.5000	5.0	0.83	50.0000		87.0	79 - 133			
1,2,4-Trichlorobenzene	45.0100	5.0	0.80	50.0000		90.0	73 - 131			
1,2,4-Trimethylbenzene	48.5100	5.0	0.91	50.0000		97.0	86 - 137			
1,2-Dibromo-3-chloropropane	45.1100	10	1.1	50.0000		90.2	62 - 127			
1,2-Dibromoethane	48.4200	5.0	0.40	50.0000		96.8	83 - 126			
1,2-Dichlorobenzene	45.0000	5.0	0.21	50.0000		90.0	83 - 123			
1,2-Dichloroethane	51.5600	5.0	0.50	50.0000		103	76 - 128			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1384 - MSVOA_S (continued)										
LCS (B2C1384-BS1) - Continued						Prepared: 3/25/2022 Analyzed: 3/25/2022				
1,2-Dichloropropane	50.6000	5.0	0.46	50.0000		101	77 - 121			
1,3,5-Trimethylbenzene	48.5500	5.0	0.70	50.0000		97.1	84 - 135			
1,3-Dichlorobenzene	45.9900	5.0	0.36	50.0000		92.0	81 - 126			
1,3-Dichloropropane	48.1600	5.0	0.49	50.0000		96.3	80 - 118			
1,4-Dichlorobenzene	46.5100	5.0	0.27	50.0000		93.0	80 - 124			
2,2-Dichloropropane	51.4800	5.0	0.28	50.0000		103	72 - 135			
2-Chlorotoluene	49.0900	5.0	0.53	50.0000		98.2	81 - 127			
4-Chlorotoluene	48.9800	5.0	0.40	50.0000		98.0	83 - 127			
4-Isopropyltoluene	47.4300	5.0	0.81	50.0000		94.9	82 - 143			
Benzene	51.0600	5.0	0.36	50.0000		102	84 - 123			
Bromobenzene	47.5700	5.0	0.62	50.0000		95.1	80 - 122			
Bromochloromethane	48.7800	5.0	0.30	50.0000		97.6	83 - 127			
Bromodichloromethane	48.4600	5.0	0.52	50.0000		96.9	82 - 123			
Bromoform	43.6000	5.0	1.4	50.0000		87.2	80 - 132			
Bromomethane	73.0000	5.0	2.5	50.0000		146	67 - 176			
Carbon disulfide	48.0700	5.0	0.94	50.0000		96.1	75 - 138			
Carbon tetrachloride	50.8600	5.0	0.73	50.0000		102	76 - 131			
Chlorobenzene	47.3400	5.0	0.42	50.0000		94.7	84 - 119			
Chloroethane	56.4700	5.0	1.5	50.0000		113	56 - 170			
Chloroform	53.0500	5.0	0.24	50.0000		106	78 - 129			
Chloromethane	51.2900	5.0	1.1	50.0000		103	63 - 141			
cis-1,2-Dichloroethene	39.3400	5.0	0.20	50.0000		78.7	83 - 125			L3
cis-1,3-Dichloropropene	44.0000	5.0	0.39	50.0000		88.0	76 - 129			
Di-isopropyl ether	51.6400	5.0	1.9	50.0000		103	73 - 132			
Dibromochloromethane	44.3200	5.0	0.81	50.0000		88.6	81 - 120			
Dibromomethane	48.2500	5.0	0.23	50.0000		96.5	79 - 124			
Dichlorodifluoromethane	38.1500	5.0	0.14	50.0000		76.3	18 - 199			
Ethyl Acetate	33.4000	50	7.0	500.000		6.68	76 - 138			MO
Ethyl Ether	551.400	50	17	500.000		110	74 - 128			
Ethyl tert-butyl ether	49.3800	5.0	0.85	50.0000		98.8	50 - 175			
Ethylbenzene	50.1600	5.0	0.43	50.0000		100	86 - 130			
Freon-113	54.0900	5.0	1.3	50.0000		108	66 - 132			
Hexachlorobutadiene	48.2600	5.0	0.40	50.0000		96.5	64 - 135			
Isopropylbenzene	50.1600	5.0	0.79	50.0000		100	80 - 133			
m,p-Xylene	96.4300	10	0.98	100.000		96.4	89 - 133			
Methylene chloride	51.3200	5.0	2.2	50.0000		103	72 - 143			
MTBE	46.9700	5.0	0.81	50.0000		93.9	73 - 136			
n-Butylbenzene	47.7400	5.0	1.2	50.0000		95.5	76 - 144			
n-Propylbenzene	48.9400	5.0	0.78	50.0000		97.9	81 - 136			
Naphthalene	44.3300	5.0	1.1	50.0000		88.7	64 - 128			
o-Xylene	48.2000	5.0	0.67	50.0000		96.4	82 - 134			
sec-Butylbenzene	49.0100	5.0	0.63	50.0000		98.0	81 - 138			
Styrene	46.4300	5.0	0.45	50.0000		92.9	79 - 152			
tert-Amyl methyl ether	48.1600	5.0	1.1	50.0000		96.3	48 - 166			
tert-Butanol	178.210	100	11	250.000		71.3	48 - 148			

GSI Environmental, Inc.
19200 Von Karman Ave., Suite 800
Irvine , CA 92612

Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1384 - MSVOA_S (continued)										
LCS (B2C1384-BS1) - Continued						Prepared: 3/25/2022 Analyzed: 3/25/2022				
tert-Butylbenzene	47.8500	5.0	0.80	50.0000		95.7	81 - 135			
Tetrachloroethene	47.8700	5.0	0.31	50.0000		95.7	75 - 127			
Toluene	49.0800	5.0	0.27	50.0000		98.2	88 - 130			
trans-1,2-Dichloroethene	67.9000	5.0	0.56	50.0000		136	79 - 127			L5
trans-1,3-Dichloropropene	45.8600	5.0	0.59	50.0000		91.7	80 - 130			
Trichloroethene	49.1200	5.0	0.32	50.0000		98.2	83 - 126			
Trichlorofluoromethane	56.9700	5.0	1.0	50.0000		114	62 - 143			
Vinyl acetate	34.3900	50	6.0	500.000		6.88	69 - 150			MO
Vinyl chloride	54.7600	5.0	0.92	50.0000		110	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*52.08*			*50.0000*		*104*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.04*			*50.0000*		*100*	*50 - 146*			
Surrogate: Dibromofluoromethane	*52.11*			*50.0000*		*104*	*77 - 159*			
Surrogate: Toluene-d8	*49.96*			*50.0000*		*99.9*	*81 - 128*			
LCS Dup (B2C1384-BSD1)						Prepared: 3/25/2022 Analyzed: 3/25/2022				
1,1,1,2-Tetrachloroethane	47.1900	5.0	0.52	50.0000		94.4	84 - 123	1.34	20	
1,1,1-Trichloroethane	51.5300	5.0	0.26	50.0000		103	78 - 133	1.12	20	
1,1,2,2-Tetrachloroethane	45.6100	5.0	0.21	50.0000		91.2	63 - 127	4.53	20	
1,1,2-Trichloroethane	50.4900	5.0	0.40	50.0000		101	80 - 125	5.87	20	
1,1-Dichloroethane	53.6400	5.0	1.4	50.0000		107	77 - 128	3.37	20	
1,1-Dichloroethene	47.9900	5.0	1.9	50.0000		96.0	69 - 138	7.67	20	
1,1-Dichloropropene	49.9600	5.0	0.54	50.0000		99.9	80 - 133	2.02	20	
1,2,3-Trichloropropane	45.9300	5.0	0.40	50.0000		91.9	74 - 123	5.75	20	
1,2,3-Trichlorobenzene	44.7300	5.0	0.83	50.0000		89.5	79 - 133	2.79	20	
1,2,4-Trichlorobenzene	44.7000	5.0	0.80	50.0000		89.4	73 - 131	0.691	20	
1,2,4-Trimethylbenzene	48.3100	5.0	0.91	50.0000		96.6	86 - 137	0.413	20	
1,2-Dibromo-3-chloropropane	45.6600	10	1.1	50.0000		91.3	62 - 127	1.21	20	
1,2-Dibromoethane	46.0300	5.0	0.40	50.0000		92.1	83 - 126	5.06	20	
1,2-Dichlorobenzene	45.0000	5.0	0.21	50.0000		90.0	83 - 123	0.00	20	
1,2-Dichloroethane	49.1600	5.0	0.50	50.0000		98.3	76 - 128	4.77	20	
1,2-Dichloropropane	49.5100	5.0	0.46	50.0000		99.0	77 - 121	2.18	20	
1,3,5-Trimethylbenzene	48.3500	5.0	0.70	50.0000		96.7	84 - 135	0.413	20	
1,3-Dichlorobenzene	46.9000	5.0	0.36	50.0000		93.8	81 - 126	1.96	20	
1,3-Dichloropropane	48.1400	5.0	0.49	50.0000		96.3	80 - 118	0.0415	20	
1,4-Dichlorobenzene	45.8600	5.0	0.27	50.0000		91.7	80 - 124	1.41	20	
2,2-Dichloropropane	48.9900	5.0	0.28	50.0000		98.0	72 - 135	4.96	20	
2-Chlorotoluene	49.3500	5.0	0.53	50.0000		98.7	81 - 127	0.528	20	
4-Chlorotoluene	49.4400	5.0	0.40	50.0000		98.9	83 - 127	0.935	20	
4-Isopropyltoluene	47.4700	5.0	0.81	50.0000		94.9	82 - 143	0.0843	20	
Benzene	50.4300	5.0	0.36	50.0000		101	84 - 123	1.24	20	
Bromobenzene	46.2000	5.0	0.62	50.0000		92.4	80 - 122	2.92	20	
Bromochloromethane	46.7900	5.0	0.30	50.0000		93.6	83 - 127	4.16	20	
Bromodichloromethane	50.1100	5.0	0.52	50.0000		100	82 - 123	3.35	20	
Bromoform	44.4300	5.0	1.4	50.0000		88.9	80 - 132	1.89	20	
Bromomethane	63.4300	5.0	2.5	50.0000		127	67 - 176	14.0	20	

GSI Environmental, Inc.
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Project Number : Ontario Airport / 5925
Report To : Vinnie Robino / Josh Voss
Reported : 05/12/2022

Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2C1384 - MSVOA_S (continued)										
LCS Dup (B2C1384-BSD1) - Continued					Prepared: 3/25/2022 Analyzed: 3/25/2022					
Carbon disulfide	45.4300	5.0	0.94	50.0000		90.9	75 - 138	5.65	20	
Carbon tetrachloride	49.6500	5.0	0.73	50.0000		99.3	76 - 131	2.41	20	
Chlorobenzene	47.7600	5.0	0.42	50.0000		95.5	84 - 119	0.883	20	
Chloroethane	54.7000	5.0	1.5	50.0000		109	56 - 170	3.18	20	
Chloroform	53.0500	5.0	0.24	50.0000		106	78 - 129	0.00	20	
Chloromethane	50.5600	5.0	1.1	50.0000		101	63 - 141	1.43	20	
cis-1,2-Dichloroethene	38.5800	5.0	0.20	50.0000		77.2	83 - 125	1.95	20	L3
cis-1,3-Dichloropropene	45.3600	5.0	0.39	50.0000		90.7	76 - 129	3.04	20	
Di-isopropyl ether	51.8300	5.0	1.9	50.0000		104	73 - 132	0.367	20	
Dibromochloromethane	42.6200	5.0	0.81	50.0000		85.2	81 - 120	3.91	20	
Dibromomethane	49.5700	5.0	0.23	50.0000		99.1	79 - 124	2.70	20	
Dichlorodifluoromethane	39.0900	5.0	0.14	50.0000		78.2	18 - 199	2.43	20	
Ethyl Acetate	28.6100	50	7.0	500.000		5.72	76 - 138	15.4	20	MO
Ethyl Ether	550.820	50	17	500.000		110	74 - 128	0.105	20	
Ethyl tert-butyl ether	49.7400	5.0	0.85	50.0000		99.5	50 - 175	0.726	20	
Ethylbenzene	49.8300	5.0	0.43	50.0000		99.7	86 - 130	0.660	20	
Freon-113	56.3300	5.0	1.3	50.0000		113	66 - 132	4.06	20	
Hexachlorobutadiene	47.1100	5.0	0.40	50.0000		94.2	64 - 135	2.41	20	
Isopropylbenzene	49.8500	5.0	0.79	50.0000		99.7	80 - 133	0.620	20	
m,p-Xylene	95.3600	10	0.98	100.000		95.4	89 - 133	1.12	20	
Methylene chloride	53.1800	5.0	2.2	50.0000		106	72 - 143	3.56	20	
MTBE	46.4700	5.0	0.81	50.0000		92.9	73 - 136	1.07	20	
n-Butylbenzene	47.6000	5.0	1.2	50.0000		95.2	76 - 144	0.294	20	
n-Propylbenzene	48.7200	5.0	0.78	50.0000		97.4	81 - 136	0.451	20	
Naphthalene	42.9300	5.0	1.1	50.0000		85.9	64 - 128	3.21	20	
o-Xylene	48.0500	5.0	0.67	50.0000		96.1	82 - 134	0.312	20	
sec-Butylbenzene	48.9100	5.0	0.63	50.0000		97.8	81 - 138	0.204	20	
Styrene	48.0600	5.0	0.45	50.0000		96.1	79 - 152	3.45	20	
tert-Amyl methyl ether	48.7000	5.0	1.1	50.0000		97.4	48 - 166	1.12	20	
tert-Butanol	182.420	100	11	250.000		73.0	48 - 148	2.33	20	
tert-Butylbenzene	47.8700	5.0	0.80	50.0000		95.7	81 - 135	0.0418	20	
Tetrachloroethene	45.9900	5.0	0.31	50.0000		92.0	75 - 127	4.01	20	
Toluene	50.4700	5.0	0.27	50.0000		101	88 - 130	2.79	20	
trans-1,2-Dichloroethene	68.6300	5.0	0.56	50.0000		137	79 - 127	1.07	20	L5
trans-1,3-Dichloropropene	47.9400	5.0	0.59	50.0000		95.9	80 - 130	4.43	20	
Trichloroethene	49.1000	5.0	0.32	50.0000		98.2	83 - 126	0.0407	20	
Trichlorofluoromethane	55.8200	5.0	1.0	50.0000		112	62 - 143	2.04	20	
Vinyl acetate	39.1400	50	6.0	500.000		7.83	69 - 150	12.9	20	MO
Vinyl chloride	53.8300	5.0	0.92	50.0000		108	69 - 140	1.71	20	
Surrogate: 1,2-Dichloroethane-d4	*53.77*			*50.0000*		*108*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*49.78*			*50.0000*		*99.6*	*50 - 146*			
Surrogate: Dibromofluoromethane	*54.78*			*50.0000*		*110*	*77 - 159*			
Surrogate: Toluene-d8	*50.32*			*50.0000*		*101*	*81 - 128*			

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 3/23/22

Page 1 of 1

2200446

3.0°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Victoria Michel SAMPLER(S): (PRINT) Tiam Navin / Josh Voss
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Advanced Technology Laboratories		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	HOLD
1	SV-6-1	3/23/22	0748	Soil	1	1			X									
2	SV-6-5.5	"	0758	"	5	1	4			X	X	X						
3	SV-6-14	"	0802	"	5	1	4			X	X	X						
4	SV-4-1	"	0840	"	1	1			X									
5	SV-4-5.5	"	0848	"	5	1	4			X	X	X						
6	SV-4-14	"	0855	"	5	1	4			X	X	X						
7	SV-7-1	"	0938	"	1	1			X									
8	SV-7-5.5	"	0946	"	5	1	4			X	X	X						
9	SV-7-14	"	0950	"	5	1	4			X	X	X						
10	SV-1-1	"	1048	"	1	1			X									
11	SV-1-5.5	"	1058	"	5	1	4			X	X	X						
12	SV-1-14	"	1102	"	5	1	4			X	X	X						
13	GIW-43-2-1	"	1228	"	1	1			X									
14	GIW-43-2-5.5	"	1235	"	5	1	4			X	X	X		X				
15	TB-20220323	"	1238	Water	4		4											X

Relinquished by: (Signature) Tiam Navin	Received by: (Signature)	Date: 3/23/22	Time: 14:45
Relinquished by: (Signature) 3/23/22 16:05	Received by: (Signature) Ethan Tran	Date: 3/23/22	Time: 16:05
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 31, 2022

Vista Work Order No. 2203009

Mr. Vincent Robino
GSI Environmental Inc.
19200 Von Karman Avenue
Irvine, CA 92612

Dear Mr. Robino,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on March 01, 2022 under your Project Name 'Ontario Airport / 5925'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at jfox@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Jamie Fox
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2203009
Case Narrative

Sample Condition on Receipt:

Eight soil samples and one water sample were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements. As directed, samples "62-5-1-3" and "EB-1-20220228" were placed on hold.

Analytical Notes:

PFAS Isotope Dilution/LC-MSMS Method Compliant with Table B-15 of DoD QSM 5.3 (Solid)

The samples were extracted and analyzed for a selected list of PFAS using Isotope Dilution and LC-MS/MS compliant with Table B-15 of DoD QSM 5.3. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limits (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are flagged with an "H" qualifier. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

TABLE OF CONTENTS

Case Narrative..... 1

Table of Contents..... 3

Sample Inventory..... 4

Analytical Results..... 5

Qualifiers..... 24

Certifications..... 25

Sample Receipt..... 28

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2203009-01	62-5-1-3	25-Feb-22 08:53	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-02	62-5-2-3	25-Feb-22 10:06	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-03	62-5-3-3	25-Feb-22 10:50	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-04	62-5-6-3	25-Feb-22 12:38	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-05	62-8-1-3	28-Feb-22 09:18	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-06	62-8-2-3	28-Feb-22 10:36	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-07	62-8-4-3.5	28-Feb-22 12:34	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-08	62-8-6-3.5	28-Feb-22 13:32	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-09	EB-1-20220228	28-Feb-22 14:40	01-Mar-22 09:38	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid

Laboratory Data

Lab Sample: B22C152-BLK1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.460	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFPeA	2706-90-3	ND	0.368	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFBS	375-73-5	ND	0.306	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
4:2 FTS	757124-72-4	ND	0.644	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFHxA	307-24-4	ND	0.320	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFPeS	2706-91-4	ND	0.300	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFHpA	375-85-9	ND	0.486	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFHxS	355-46-4	ND	0.308	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
6:2 FTS	27619-97-2	ND	0.518	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFOA	335-67-1	ND	0.270	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFHpS	375-92-8	ND	0.516	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFNA	375-95-1	ND	0.372	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFOSA	754-91-6	ND	0.572	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFOS	1763-23-1	ND	0.648	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFDA	335-76-2	ND	0.442	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
8:2 FTS	39108-34-4	ND	0.588	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
MeFOSAA	2355-31-9	ND	0.404	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
EtFOSAA	2991-50-6	ND	0.380	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFUnA	2058-94-8	ND	0.506	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFDS	335-77-3	ND	0.242	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFDoA	307-55-1	ND	0.456	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFTrDA	72629-94-8	ND	0.406	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFTeDA	376-06-7	ND	0.428	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.4	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C3-PFPeA	IS	79.1	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C3-PFBS	IS	86.4	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-4:2 FTS	IS	90.4	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-PFHxA	IS	84.0	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C4-PFHpA	IS	85.5	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C3-PFHxS	IS	92.0	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-6:2 FTS	IS	91.8	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C5-PFNA	IS	80.6	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C8-PFOSA	IS	38.1	50 - 150	H	B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-PFOA	IS	85.2	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C8-PFOS	IS	90.1	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-PFDA	IS	75.9	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-8:2 FTS	IS	80.6	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1

Sample ID: Method Blank **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc. Matrix: Solid

Project: Ontario Airport / 5925

Laboratory Data

Lab Sample: B22C152-BLK1 Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d3-MeFOSAA	IS	65.3	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-PFUnA	IS	54.6	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
d5-EtFOSAA	IS	60.9	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-PFDoA	IS	56.1	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-PFTeDA	IS	64.9	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1

MDL - Method Detection Limit RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid

Laboratory Data

Lab Sample: B22C152-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	9.42	10.0	94.2	71 - 135		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFPeA	2706-90-3	9.44	10.0	94.4	69 - 132		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFBS	375-73-5	8.26	10.0	82.6	72 - 128		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
4:2 FTS	757124-72-4	9.66	10.0	96.6	62 - 145		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFHxA	307-24-4	9.46	10.0	94.6	70 - 132		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFPeS	2706-91-4	8.61	10.0	86.1	73 - 123		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFHpA	375-85-9	9.13	10.0	91.3	71 - 131		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFHxS	355-46-4	9.46	10.0	94.6	67 - 130		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
6:2 FTS	27619-97-2	8.58	10.0	85.8	64 - 140		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFOA	335-67-1	9.43	10.0	94.3	69 - 133		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFHpS	375-92-8	9.68	10.0	96.8	70 - 132		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFNA	375-95-1	9.25	10.0	92.5	72 - 129		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFOSA	754-91-6	9.76	10.0	97.6	67 - 137		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFOS	1763-23-1	9.68	10.0	96.8	68 - 136		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFDA	335-76-2	8.88	10.0	88.8	69 - 133		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
8:2 FTS	39108-34-4	9.50	10.0	95.0	65 - 137		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
MeFOSAA	2355-31-9	8.49	10.0	84.9	63 - 144		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
EtFOSAA	2991-50-6	8.50	10.0	85.0	61 - 139		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFUnA	2058-94-8	9.51	10.0	95.1	64 - 136		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFDS	335-77-3	7.40	10.0	74.0	59 - 134		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFDoA	307-55-1	9.14	10.0	91.4	69 - 135		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFTrDA	72629-94-8	9.28	10.0	92.8	66 - 139		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFTeDA	376-06-7	9.39	10.0	93.9	69 - 133		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	83.2	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C3-PFPeA	IS	77.7	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C3-PFBS	IS	97.8	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-4:2 FTS	IS	84.4	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-PFHxA	IS	86.5	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C4-PFHpA	IS	84.1	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C3-PFHxS	IS	92.3	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-6:2 FTS	IS	98.4	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C5-PFNA	IS	82.8	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C8-PFOSA	IS	37.6	50 - 150	H	B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-PFOA	IS	88.2	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid

Laboratory Data

Lab Sample: B22C152-BS1
Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	86.4	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-PFDA	IS	79.3	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-8:2 FTS	IS	85.8	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
d3-MeFOSAA	IS	65.5	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-PFUnA	IS	64.3	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
d5-EtFOSAA	IS	60.3	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-PFDoA	IS	63.8	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-PFTeDA	IS	72.7	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1

Sample ID: 62-5-2-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 25-Feb-22 10:06

Laboratory Data

Lab Sample: 2203009-02
Date Received: 01-Mar-22 09:38
% Solids: 97.9
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.461	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFPeA	2706-90-3	ND	0.369	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFBS	375-73-5	ND	0.306	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
4:2 FTS	757124-72-4	ND	0.645	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFHxA	307-24-4	1.13	0.320	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFPeS	2706-91-4	ND	0.300	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFHpA	375-85-9	0.512	0.487	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFHxS	355-46-4	5.34	0.308	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
6:2 FTS	27619-97-2	ND	0.519	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFOA	335-67-1	1.70	0.270	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFHpS	375-92-8	ND	0.517	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFNA	375-95-1	ND	0.373	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFOSA	754-91-6	ND	0.573	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFOS	1763-23-1	8.10	0.649	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFDA	335-76-2	ND	0.443	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
8:2 FTS	39108-34-4	ND	0.589	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
MeFOSAA	2355-31-9	ND	0.405	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
EtFOSAA	2991-50-6	ND	0.381	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFUnA	2058-94-8	ND	0.507	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFDS	335-77-3	ND	0.242	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFDoA	307-55-1	ND	0.457	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFTrDA	72629-94-8	ND	0.407	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFTeDA	376-06-7	ND	0.429	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	79.1	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C3-PFPeA	IS	72.5	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C3-PFBS	IS	82.6	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-4:2 FTS	IS	75.4	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-PFHxA	IS	77.7	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C4-PFHpA	IS	80.2	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C3-PFHxS	IS	89.2	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-6:2 FTS	IS	84.6	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C5-PFNA	IS	71.2	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C8-PFOSA	IS	42.6	50 - 150	H	B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-PFOA	IS	79.8	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C8-PFOS	IS	76.4	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-PFDA	IS	63.5	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1

Sample ID: 62-5-2-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 25-Feb-22 10:06

Laboratory Data

Lab Sample: 2203009-02
Date Received: 01-Mar-22 09:38
% Solids: 97.9
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	70.2	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
d3-MeFOSAA	IS	49.9	50 - 150	H	B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-PFUnA	IS	47.5	50 - 150	H	B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
d5-EtFOSAA	IS	48.4	50 - 150	H	B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-PFDoA	IS	50.2	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-PFTeDA	IS	51.6	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1

MDL - Method Detection Limit
RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 62-5-3-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 25-Feb-22 10:50

Laboratory Data

Lab Sample: 2203009-03
Date Received: 01-Mar-22 09:38
% Solids: 96.5
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.454	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFPeA	2706-90-3	ND	0.363	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFBS	375-73-5	ND	0.302	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
4:2 FTS	757124-72-4	ND	0.635	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFHxA	307-24-4	0.329	0.316	0.493	J	B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFPeS	2706-91-4	ND	0.296	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFHpA	375-85-9	ND	0.480	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFHxS	355-46-4	1.14	0.304	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
6:2 FTS	27619-97-2	ND	0.511	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFOA	335-67-1	ND	0.266	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFHpS	375-92-8	ND	0.509	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFNA	375-95-1	ND	0.367	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFOSA	754-91-6	ND	0.564	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFOS	1763-23-1	2.72	0.639	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFDA	335-76-2	ND	0.436	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
8:2 FTS	39108-34-4	ND	0.580	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
MeFOSAA	2355-31-9	ND	0.399	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
EtFOSAA	2991-50-6	ND	0.375	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFUnA	2058-94-8	ND	0.499	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFDS	335-77-3	ND	0.239	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFDoA	307-55-1	ND	0.450	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFTrDA	72629-94-8	ND	0.401	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFTeDA	376-06-7	ND	0.422	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	81.4	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C3-PFPeA	IS	73.5	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C3-PFBS	IS	84.7	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-4:2 FTS	IS	86.3	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-PFHxA	IS	83.9	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C4-PFHpA	IS	79.2	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C3-PFHxS	IS	97.8	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-6:2 FTS	IS	85.2	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C5-PFNA	IS	75.9	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C8-PFOSA	IS	66.9	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-PFOA	IS	80.2	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C8-PFOS	IS	82.5	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-PFDA	IS	76.3	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1

Sample ID: 62-5-3-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 25-Feb-22 10:50

Laboratory Data

Lab Sample: 2203009-03
Date Received: 01-Mar-22 09:38
% Solids: 96.5
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	73.6	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
d3-MeFOSAA	IS	78.6	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-PFUnA	IS	73.6	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
d5-EtFOSAA	IS	80.4	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-PFDoA	IS	79.2	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-PFTeDA	IS	80.8	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 62-5-6-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 25-Feb-22 12:38

Laboratory Data

Lab Sample: 2203009-04
Date Received: 01-Mar-22 09:38
% Solids: 93.9
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.449	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFPeA	2706-90-3	ND	0.359	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFBS	375-73-5	ND	0.299	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
4:2 FTS	757124-72-4	ND	0.629	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFHxA	307-24-4	0.368	0.313	0.488	J	B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFPeS	2706-91-4	ND	0.293	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFHpA	375-85-9	ND	0.475	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFHxS	355-46-4	3.87	0.301	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
6:2 FTS	27619-97-2	ND	0.506	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFOA	335-67-1	0.533	0.264	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFHpS	375-92-8	ND	0.504	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFNA	375-95-1	ND	0.363	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFOSA	754-91-6	ND	0.559	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFOS	1763-23-1	2.60	0.633	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFDA	335-76-2	ND	0.432	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
8:2 FTS	39108-34-4	ND	0.574	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
MeFOSAA	2355-31-9	ND	0.395	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
EtFOSAA	2991-50-6	ND	0.371	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFUnA	2058-94-8	ND	0.494	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFDS	335-77-3	ND	0.236	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFDoA	307-55-1	ND	0.445	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFTrDA	72629-94-8	ND	0.397	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFTeDA	376-06-7	ND	0.418	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.1	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C3-PFPeA	IS	76.9	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C3-PFBS	IS	91.1	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-4:2 FTS	IS	85.0	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-PFHxA	IS	79.6	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C4-PFHpA	IS	83.1	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C3-PFHxS	IS	83.3	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-6:2 FTS	IS	87.4	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C5-PFNA	IS	75.0	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C8-PFOSA	IS	46.4	50 - 150	H	B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-PFOA	IS	82.4	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C8-PFOS	IS	78.4	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-PFDA	IS	71.0	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1

Sample ID: 62-5-6-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 25-Feb-22 12:38

Laboratory Data

Lab Sample: 2203009-04
Date Received: 01-Mar-22 09:38
% Solids: 93.9
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	82.5	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
d3-MeFOSAA	IS	64.7	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-PFUnA	IS	55.5	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
d5-EtFOSAA	IS	58.5	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-PFDoA	IS	64.5	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-PFTeDA	IS	65.9	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 62-8-1-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 28-Feb-22 09:18

Laboratory Data

Lab Sample: 2203009-05
Date Received: 01-Mar-22 09:38
% Solids: 95.2
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	1.14	0.439	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFPeA	2706-90-3	2.60	0.351	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFBS	375-73-5	9.18	0.292	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
4:2 FTS	757124-72-4	ND	0.615	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFHxA	307-24-4	21.3	0.306	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFPeS	2706-91-4	19.4	0.287	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFHpA	375-85-9	3.45	0.464	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFHxS	355-46-4	42.6	0.294	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
6:2 FTS	27619-97-2	ND	0.495	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFOA	335-67-1	1.74	0.258	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFHpS	375-92-8	ND	0.493	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFNA	375-95-1	ND	0.355	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFOSA	754-91-6	ND	0.546	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFOS	1763-23-1	2.03	0.619	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFDA	335-76-2	ND	0.422	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
8:2 FTS	39108-34-4	ND	0.562	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
MeFOSAA	2355-31-9	ND	0.386	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
EtFOSAA	2991-50-6	ND	0.363	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFUnA	2058-94-8	ND	0.483	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFDS	335-77-3	ND	0.231	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFDoA	307-55-1	ND	0.436	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFTrDA	72629-94-8	ND	0.388	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFTeDA	376-06-7	ND	0.409	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	76.0	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C3-PFPeA	IS	70.0	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C3-PFBS	IS	93.8	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-4:2 FTS	IS	77.0	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-PFHxA	IS	75.9	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C4-PFHpA	IS	76.7	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C3-PFHxS	IS	84.6	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-6:2 FTS	IS	85.0	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C5-PFNA	IS	69.7	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C8-PFOSA	IS	41.8	50 - 150	H	B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-PFOA	IS	75.9	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C8-PFOS	IS	76.8	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-PFDA	IS	60.8	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1

Sample ID: 62-8-1-3 **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 28-Feb-22 09:18

Laboratory Data

Lab Sample: 2203009-05
Date Received: 01-Mar-22 09:38
% Solids: 95.2
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	73.0	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
d3-MeFOSAA	IS	70.1	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-PFUnA	IS	62.4	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
d5-EtFOSAA	IS	67.3	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-PFDoA	IS	67.5	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-PFTeDA	IS	79.5	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1

MDL - Method Detection Limit RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 62-8-2-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 28-Feb-22 10:36

Laboratory Data

Lab Sample: 2203009-06
Date Received: 01-Mar-22 09:38
% Solids: 95.5
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.515	0.446	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFPeA	2706-90-3	1.33	0.357	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFBS	375-73-5	2.86	0.297	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
4:2 FTS	757124-72-4	ND	0.624	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFHxA	307-24-4	11.8	0.310	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFPeS	2706-91-4	2.39	0.291	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFHpA	375-85-9	0.739	0.471	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFHxS	355-46-4	21.0	0.298	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
6:2 FTS	27619-97-2	ND	0.502	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFOA	335-67-1	10.9	0.262	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFHpS	375-92-8	1.45	0.500	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFNA	375-95-1	ND	0.361	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFOSA	754-91-6	6.39	0.554	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFOS	1763-23-1	118	0.628	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFDA	335-76-2	ND	0.428	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
8:2 FTS	39108-34-4	ND	0.570	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
MeFOSAA	2355-31-9	ND	0.392	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
EtFOSAA	2991-50-6	ND	0.368	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFUnA	2058-94-8	ND	0.490	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFDS	335-77-3	ND	0.235	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFDoA	307-55-1	ND	0.442	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFTrDA	72629-94-8	ND	0.393	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFTeDA	376-06-7	ND	0.415	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	89.7	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C3-PFPeA	IS	83.9	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C3-PFBS	IS	104	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-4:2 FTS	IS	88.2	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-PFHxA	IS	86.3	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C4-PFHpA	IS	89.3	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C3-PFHxS	IS	107	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-6:2 FTS	IS	90.9	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C5-PFNA	IS	81.8	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C8-PFOSA	IS	42.8	50 - 150	H	B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-PFOA	IS	84.1	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C8-PFOS	IS	87.1	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-PFDA	IS	76.7	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1

Sample ID: 62-8-2-3 **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 28-Feb-22 10:36

Laboratory Data

Lab Sample: 2203009-06
Date Received: 01-Mar-22 09:38
% Solids: 95.5
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	76.2	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
d3-MeFOSAA	IS	77.1	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-PFUnA	IS	64.8	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
d5-EtFOSAA	IS	73.8	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-PFDoA	IS	75.2	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-PFTeDA	IS	80.9	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1

MDL - Method Detection Limit RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 62-8-4-3.5

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 28-Feb-22 12:34

Laboratory Data

Lab Sample: 2203009-07
Date Received: 01-Mar-22 09:38
% Solids: 95.1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.460	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFPeA	2706-90-3	0.603	0.368	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFBS	375-73-5	0.860	0.306	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
4:2 FTS	757124-72-4	ND	0.645	1.00		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFHxA	307-24-4	8.39	0.320	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFPeS	2706-91-4	1.11	0.300	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFHpA	375-85-9	0.602	0.486	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFHxS	355-46-4	34.8	0.308	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
6:2 FTS	27619-97-2	ND	0.519	1.00		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFOA	335-67-1	20.9	0.270	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFHpS	375-92-8	0.580	0.517	1.00	J	B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFNA	375-95-1	ND	0.372	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFOSA	754-91-6	0.759	0.573	1.00	J	B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFOS	1763-23-1	20.0	0.649	1.00		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFDA	335-76-2	ND	0.442	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
8:2 FTS	39108-34-4	ND	0.589	1.00		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
MeFOSAA	2355-31-9	ND	0.404	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
EtFOSAA	2991-50-6	ND	0.380	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFUnA	2058-94-8	ND	0.506	1.00		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFDS	335-77-3	ND	0.242	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFDoA	307-55-1	ND	0.456	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFTrDA	72629-94-8	ND	0.406	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFTeDA	376-06-7	ND	0.428	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	83.3	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C3-PFPeA	IS	77.1	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C3-PFBS	IS	93.1	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-4:2 FTS	IS	74.5	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-PFHxA	IS	85.0	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C4-PFHpA	IS	81.5	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C3-PFHxS	IS	99.0	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-6:2 FTS	IS	88.6	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C5-PFNA	IS	78.6	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C8-PFOSA	IS	46.3	50 - 150	H	B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-PFOA	IS	83.3	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C8-PFOS	IS	80.5	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-PFDA	IS	67.4	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1

Sample ID: 62-8-4-3.5 **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 28-Feb-22 12:34

Laboratory Data

Lab Sample: 2203009-07
Date Received: 01-Mar-22 09:38
% Solids: 95.1
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	68.0	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
d3-MeFOSAA	IS	67.4	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-PFUnA	IS	60.3	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
d5-EtFOSAA	IS	63.5	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-PFDoA	IS	66.2	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-PFTeDA	IS	73.4	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1

MDL - Method Detection Limit RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 62-8-6-3.5

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 28-Feb-22 13:32

Laboratory Data

Lab Sample: 2203009-08
Date Received: 01-Mar-22 09:38
% Solids: 92.9
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.442	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFPeA	2706-90-3	ND	0.353	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFBS	375-73-5	ND	0.294	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
4:2 FTS	757124-72-4	ND	0.619	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFHxA	307-24-4	2.08	0.307	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFPeS	2706-91-4	0.631	0.288	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFHpA	375-85-9	ND	0.467	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFHxS	355-46-4	24.2	0.296	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
6:2 FTS	27619-97-2	ND	0.498	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFOA	335-67-1	24.1	0.259	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFHpS	375-92-8	1.42	0.496	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFNA	375-95-1	ND	0.357	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFOSA	754-91-6	10.4	0.549	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFOS	1763-23-1	62.2	0.622	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFDA	335-76-2	ND	0.425	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
8:2 FTS	39108-34-4	ND	0.565	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
MeFOSAA	2355-31-9	ND	0.388	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
EtFOSAA	2991-50-6	ND	0.365	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFUnA	2058-94-8	ND	0.486	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFDS	335-77-3	ND	0.232	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFDoA	307-55-1	ND	0.438	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFTrDA	72629-94-8	ND	0.390	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFTeDA	376-06-7	ND	0.411	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	86.9	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C3-PFPeA	IS	81.0	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C3-PFBS	IS	90.2	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-4:2 FTS	IS	94.7	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-PFHxA	IS	88.9	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C4-PFHpA	IS	89.1	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C3-PFHxS	IS	113	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-6:2 FTS	IS	95.9	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C5-PFNA	IS	82.1	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C8-PFOSA	IS	50.8	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-PFOA	IS	90.4	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C8-PFOS	IS	90.9	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-PFDA	IS	80.0	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1

Sample ID: 62-8-6-3.5

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 28-Feb-22 13:32

Laboratory Data

Lab Sample: 2203009-08
Date Received: 01-Mar-22 09:38
% Solids: 92.9
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	83.7	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
d3-MeFOSAA	IS	78.3	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-PFUnA	IS	68.7	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
d5-EtFOSAA	IS	74.5	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-PFDoA	IS	76.9	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-PFTeDA	IS	83.3	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-26
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

GSI ENVIRONMENTAL

2203009

3.1 °C

CHAIN-OF-CUSTODY RECORD

Date: 2/28/22

Page 1 of 1

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport		PROJECT NO.: 5925
	PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Jamie Fox
	GLOBAL ID:		SAMPLER(S): (PRINT) JCV / TN
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		
LABORATORY: Vista Analytical Laboratory			

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: *List of 23 analytes using US EPA Method 537, compliant with DoD Table B-15 of QSM, dated 2017, version 5.1 or later

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PFAS 537*	HOLD
	62-5-1-3	2/25/22	0853	Soil	1	1			X TN	X
	62-5-2-3	"	1006	"	1	1			X	
	62-5-3-3	"	1050	"	1	1			X	
	62-5-6-3	"	1238	"	1	1			X	
	62-8-1-3	2/28/22	0918	Soil	1	1			X	
	62-8-2-3	"	1036	"	1	1			X	
	62-8-4-3,5	"	1234	"	1	1			X	
	62-8-6-3,5	"	1332	"	1	1			X	
	EB-1-20220228	"	1440	Water	2	2				X

JCV

Relinquished by: (Signature)	Received by: (Signature) Kamyar Amat 03/01/22 09:38	Date: 2/28/22	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Vista Analytical Laboratory

Sample Log-In Checklist

Vista Work Order #: 2203009 TAT Std

Samples Arrival:	**Date/Time** 03/01/22 09:38		**Initials:** IG		**Location:** WR-2 **Shelf/Rack:** NIA		
Delivered By:	(FedEx)	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	(Ice)		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 3.3 (uncorrected)			**Probe used: Y / (N)**		**Thermometer ID:** IR-4		
Temp °C: 3.1 (corrected)							

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Airbill ✓ Trk # 8162 8505 2967	✓		
Shipping Documentation Present?	✓		
Shipping Container: Vista / (Client) / Retain / (Return)		Dispose	
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 03/01/22 1515	**Initials:** IG	**Location:** R-13 ↓, WR-2 ↓ **Shelf/Rack:** A-2, A-4, F-5		
COC Anomaly/Sample Acceptance Form completed?				✓	✓

Comments:

CoC/Label Reconciliation Report WO# 2203009

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2203009-01	A 62-5-1-3		25-Feb-22 08:53	HDPE Jar, 6 oz	Solid	
2203009-02	A 62-5-2-3		25-Feb-22 10:06	HDPE Jar, 6 oz	Solid	
2203009-03	A 62-5-3-3		25-Feb-22 10:50	HDPE Jar, 6 oz	Solid	
2203009-04	A 62-5-6-3		25-Feb-22 12:38	HDPE Jar, 6 oz	Solid	
2203009-05	A 62-8-1-3		28-Feb-22 09:18	HDPE Jar, 6 oz	Solid	
2203009-06	A 62-8-2-3		28-Feb-22 10:36	HDPE Jar, 6 oz	Solid	
2203009-07	A 62-8-4-3.5		28-Feb-22 12:34	HDPE Jar, 6 oz	Solid	
2203009-08	A 62-8-6-3.5		28-Feb-22 13:32	HDPE Jar, 6 oz	Solid	
2203009-09	A EB-1-20220228		28-Feb-22 14:40	HDPE Bottle, 250 mL	Aqueous	
2203009-09	B EB-1-20220228		28-Feb-22 14:40	HDPE Bottle, 250 mL	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		

Comments:

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: VA 03/02/22

April 12, 2022

Vista Work Order No. 2203027

Mr. Vincent Robino
GSI Environmental Inc.
19200 Von Karman Avenue
Irvine, CA 92612

Dear Mr. Robino,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on March 03, 2022 under your Project Name 'Ontario Airport / 5925'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at jfox@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Jamie Fox
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2203027
Case Narrative

Sample Condition on Receipt:

Eleven solid samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements.

Analytical Notes:

PFAS Isotope Dilution/LC-MSMS Method Compliant with Table B-15 of DoD QSM 5.3 (Solid)

The samples were extracted and analyzed for a selected list of PFAS using Isotope Dilution and LC-MS/MS compliant with Table B-15 of DoD QSM 5.3. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limits (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are flagged with an "H" qualifier. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

TABLE OF CONTENTS

Case Narrative..... 1

Table of Contents..... 3

Sample Inventory..... 4

Analytical Results..... 5

Qualifiers..... 32

Certifications..... 33

Sample Receipt..... 36

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2203027-01	62-5-1-SO-3	01-Mar-22 08:00	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-02	62-9-1-6	01-Mar-22 09:15	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-03	62-9-3-6	01-Mar-22 11:00	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-04	62-2-3-6	01-Mar-22 13:15	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-05	62-2-1-6	01-Mar-22 13:55	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-06	62-2-2-6	02-Mar-22 08:20	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-07	62-2-4-6	02-Mar-22 08:55	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-08	68-12-2-3	02-Mar-22 10:27	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-09	68-12-2-6	02-Mar-22 10:40	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-10	68-12-1-3	02-Mar-22 11:30	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-11	68-12-1-6	02-Mar-22 11:40	03-Mar-22 09:11	HDPE Jar, 6 oz

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid

Laboratory Data

Lab Sample: B22C175-BLK1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.460	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFPeA	2706-90-3	ND	0.368	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFBS	375-73-5	ND	0.306	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
4:2 FTS	757124-72-4	ND	0.644	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFHxA	307-24-4	ND	0.320	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFPeS	2706-91-4	ND	0.300	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFHpA	375-85-9	ND	0.486	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFHxS	355-46-4	ND	0.308	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
6:2 FTS	27619-97-2	ND	0.518	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFOA	335-67-1	ND	0.270	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFHpS	375-92-8	ND	0.516	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFNA	375-95-1	ND	0.372	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFOSA	754-91-6	ND	0.572	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFOS	1763-23-1	ND	0.648	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFDA	335-76-2	ND	0.442	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
8:2 FTS	39108-34-4	ND	0.588	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
MeFOSAA	2355-31-9	ND	0.404	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
EtFOSAA	2991-50-6	ND	0.380	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFUnA	2058-94-8	ND	0.506	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFDS	335-77-3	ND	0.242	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFDoA	307-55-1	ND	0.456	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFTrDA	72629-94-8	ND	0.406	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFTeDA	376-06-7	ND	0.428	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C3-PFPeA	IS	86.5	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C3-PFBS	IS	83.1	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-4:2 FTS	IS	82.9	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-PFHxA	IS	86.1	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C4-PFHpA	IS	86.2	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C3-PFHxS	IS	82.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-6:2 FTS	IS	82.4	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C5-PFNA	IS	81.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C8-PFOSA	IS	35.3	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-PFOA	IS	82.6	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C8-PFOS	IS	77.8	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-PFDA	IS	66.2	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-8:2 FTS	IS	81.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid

Laboratory Data

Lab Sample: B22C175-BLK1
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d3-MeFOSAA	IS	52.2	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-PFUnA	IS	57.0	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
d5-EtFOSAA	IS	52.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-PFDoA	IS	48.2	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-PFTeDA	IS	56.1	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid

Laboratory Data

Lab Sample: B22C175-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	10.8	10.0	108	71 - 135		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFPeA	2706-90-3	10.0	10.0	100	69 - 132		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFBS	375-73-5	10.3	10.0	103	72 - 128		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
4:2 FTS	757124-72-4	9.41	10.0	94.1	62 - 145		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFHxA	307-24-4	10.3	10.0	103	70 - 132		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFPeS	2706-91-4	8.73	10.0	87.3	73 - 123		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFHpA	375-85-9	10.6	10.0	106	71 - 131		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFHxS	355-46-4	10.1	10.0	101	67 - 130		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
6:2 FTS	27619-97-2	9.55	10.0	95.5	64 - 140		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFOA	335-67-1	10.2	10.0	102	69 - 133		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFHpS	375-92-8	9.36	10.0	93.6	70 - 132		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFNA	375-95-1	9.87	10.0	98.7	72 - 129		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFOSA	754-91-6	10.9	10.0	109	67 - 137		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFOS	1763-23-1	9.59	10.0	95.9	68 - 136		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFDA	335-76-2	11.5	10.0	115	69 - 133		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
8:2 FTS	39108-34-4	9.63	10.0	96.3	65 - 137		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
MeFOSAA	2355-31-9	10.6	10.0	106	63 - 144		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
EtFOSAA	2991-50-6	9.84	10.0	98.4	61 - 139		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFUnA	2058-94-8	10.2	10.0	102	64 - 136		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFDS	335-77-3	7.55	10.0	75.5	59 - 134		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFDoA	307-55-1	11.7	10.0	117	69 - 135		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFTrDA	72629-94-8	10.8	10.0	108	66 - 139		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFTeDA	376-06-7	10.3	10.0	103	69 - 133		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	79.0	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C3-PFPeA	IS	80.6	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C3-PFBS	IS	90.5	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-4:2 FTS	IS	83.8	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-PFHxA	IS	83.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C4-PFHpA	IS	80.5	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C3-PFHxS	IS	85.1	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-6:2 FTS	IS	81.9	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C5-PFNA	IS	76.4	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C8-PFOSA	IS	34.0	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-PFOA	IS	78.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid

Laboratory Data

Lab Sample: B22C175-BS1
Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	89.4	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-PFDA	IS	56.3	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-8:2 FTS	IS	83.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
d3-MeFOSAA	IS	40.1	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-PFUnA	IS	48.2	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
d5-EtFOSAA	IS	37.9	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-PFDoA	IS	35.6	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-PFTeDA	IS	37.7	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1

Sample ID: 62-5-1-SO-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 01-Mar-22 08:00

Laboratory Data

Lab Sample: 2203027-01
Date Received: 03-Mar-22 09:11
% Solids: 94.9
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.441	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFPeA	2706-90-3	0.425	0.353	0.479	J	B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFBS	375-73-5	0.390	0.293	0.479	J	B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
4:2 FTS	757124-72-4	ND	0.617	0.958		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFHxA	307-24-4	5.13	0.307	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFPeS	2706-91-4	1.91	0.287	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFHpA	375-85-9	ND	0.466	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFHxS	355-46-4	62.1	0.295	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
6:2 FTS	27619-97-2	ND	0.496	0.958		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFOA	335-67-1	9.88	0.259	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFHpS	375-92-8	52.0	0.494	0.958		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFNA	375-95-1	ND	0.356	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFOSA	754-91-6	2.27	0.548	0.958		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFOS	1763-23-1	1140	6.21	9.58	D, Q	B22C175	24-Mar-22	1.10 g	31-Mar-22 18:08	10
PFDA	335-76-2	ND	0.424	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
8:2 FTS	39108-34-4	ND	0.563	0.958		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
MeFOSAA	2355-31-9	ND	0.387	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
EtFOSAA	2991-50-6	ND	0.364	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFUnA	2058-94-8	ND	0.485	0.958		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFDS	335-77-3	ND	0.232	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFDoA	307-55-1	ND	0.437	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFTrDA	72629-94-8	ND	0.389	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFTeDA	376-06-7	ND	0.410	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	73.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C3-PFPeA	IS	71.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C3-PFBS	IS	75.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-4:2 FTS	IS	90.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-PFHxA	IS	77.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C4-PFHpA	IS	79.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C3-PFHxS	IS	82.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-6:2 FTS	IS	79.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C5-PFNA	IS	68.2	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C8-PFOSA	IS	39.9	50 - 150	H	B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-PFOA	IS	69.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C8-PFOS	IS	83.0	50 - 150	D	B22C175	24-Mar-22	1.10 g	31-Mar-22 18:08	10
13C2-PFDA	IS	61.2	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1

Sample ID: 62-5-1-SO-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 01-Mar-22 08:00

Laboratory Data

Lab Sample: 2203027-01
Date Received: 03-Mar-22 09:11
% Solids: 94.9
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	78.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
d3-MeFOSAA	IS	55.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-PFUnA	IS	60.2	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
d5-EtFOSAA	IS	58.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-PFDoA	IS	57.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-PFTeDA	IS	57.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 62-9-1-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 01-Mar-22 09:15

Laboratory Data

Lab Sample: 2203027-02
Date Received: 03-Mar-22 09:11
% Solids: 91.1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.443	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFPeA	2706-90-3	ND	0.354	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFBS	375-73-5	ND	0.295	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
4:2 FTS	757124-72-4	ND	0.620	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFHxA	307-24-4	ND	0.308	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFPeS	2706-91-4	ND	0.289	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFHpA	375-85-9	ND	0.468	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFHxS	355-46-4	0.774	0.297	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
6:2 FTS	27619-97-2	ND	0.499	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFOA	335-67-1	0.403	0.260	0.481	J	B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFHpS	375-92-8	ND	0.497	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFNA	375-95-1	ND	0.358	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFOSA	754-91-6	ND	0.551	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFOS	1763-23-1	18.8	0.624	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFDA	335-76-2	ND	0.426	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
8:2 FTS	39108-34-4	ND	0.566	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
MeFOSAA	2355-31-9	ND	0.389	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
EtFOSAA	2991-50-6	ND	0.366	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFUnA	2058-94-8	ND	0.487	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFDS	335-77-3	ND	0.233	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFDoA	307-55-1	ND	0.439	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFTrDA	72629-94-8	ND	0.391	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFTeDA	376-06-7	ND	0.412	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.2	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C3-PFPeA	IS	80.5	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C3-PFBS	IS	84.1	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-4:2 FTS	IS	80.8	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-PFHxA	IS	82.8	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C4-PFHpA	IS	81.8	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C3-PFHxS	IS	82.7	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-6:2 FTS	IS	89.5	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C5-PFNA	IS	73.9	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C8-PFOSA	IS	37.1	50 - 150	H	B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-PFOA	IS	76.1	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C8-PFOS	IS	82.8	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-PFDA	IS	55.8	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1

Sample ID: 62-9-1-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 01-Mar-22 09:15

Laboratory Data

Lab Sample: 2203027-02
Date Received: 03-Mar-22 09:11
% Solids: 91.1
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	68.1	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
d3-MeFOSAA	IS	56.0	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-PFUnA	IS	60.5	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
d5-EtFOSAA	IS	54.6	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-PFDoA	IS	57.1	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-PFTeDA	IS	65.4	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 62-9-3-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 01-Mar-22 11:00

Laboratory Data

Lab Sample: 2203027-03
Date Received: 03-Mar-22 09:11
% Solids: 93.7
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.446	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFPeA	2706-90-3	ND	0.357	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFBS	375-73-5	ND	0.297	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
4:2 FTS	757124-72-4	ND	0.625	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFHxA	307-24-4	0.507	0.310	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFPeS	2706-91-4	ND	0.291	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFHpA	375-85-9	ND	0.472	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFHxS	355-46-4	23.9	0.299	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
6:2 FTS	27619-97-2	ND	0.503	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFOA	335-67-1	6.24	0.262	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFHpS	375-92-8	ND	0.501	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFNA	375-95-1	ND	0.361	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFOSA	754-91-6	ND	0.555	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFOS	1763-23-1	2.94	0.629	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFDA	335-76-2	ND	0.429	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
8:2 FTS	39108-34-4	ND	0.571	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
MeFOSAA	2355-31-9	ND	0.392	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
EtFOSAA	2991-50-6	ND	0.369	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFUnA	2058-94-8	ND	0.491	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFDS	335-77-3	ND	0.235	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFDoA	307-55-1	ND	0.442	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFTrDA	72629-94-8	ND	0.394	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFTeDA	376-06-7	ND	0.415	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	75.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C3-PFPeA	IS	76.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C3-PFBS	IS	83.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-4:2 FTS	IS	89.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-PFHxA	IS	80.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C4-PFHpA	IS	80.2	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C3-PFHxS	IS	86.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-6:2 FTS	IS	91.0	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C5-PFNA	IS	71.0	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C8-PFOSA	IS	47.2	50 - 150	H	B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-PFOA	IS	81.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C8-PFOS	IS	84.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-PFDA	IS	54.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1

Sample ID: 62-9-3-6 **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 01-Mar-22 11:00

Laboratory Data

Lab Sample: 2203027-03
Date Received: 03-Mar-22 09:11
% Solids: 93.7
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	72.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
d3-MeFOSAA	IS	60.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-PFUnA	IS	58.2	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
d5-EtFOSAA	IS	53.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-PFDoA	IS	61.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-PFTeDA	IS	60.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1

MDL - Method Detection Limit RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 62-2-3-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 01-Mar-22 13:15

Laboratory Data

Lab Sample: 2203027-04
Date Received: 03-Mar-22 09:11
% Solids: 95.2
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.452	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFPeA	2706-90-3	ND	0.361	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFBS	375-73-5	ND	0.300	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
4:2 FTS	757124-72-4	ND	0.632	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFHxA	307-24-4	ND	0.314	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFPeS	2706-91-4	ND	0.294	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFHpA	375-85-9	ND	0.477	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFHxS	355-46-4	4.14	0.302	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
6:2 FTS	27619-97-2	ND	0.508	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFOA	335-67-1	0.518	0.265	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFHpS	375-92-8	ND	0.506	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFNA	375-95-1	ND	0.365	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFOSA	754-91-6	ND	0.561	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFOS	1763-23-1	2.94	0.636	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFDA	335-76-2	ND	0.434	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
8:2 FTS	39108-34-4	ND	0.577	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
MeFOSAA	2355-31-9	ND	0.397	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
EtFOSAA	2991-50-6	ND	0.373	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFUnA	2058-94-8	ND	0.497	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFDS	335-77-3	ND	0.238	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFDoA	307-55-1	ND	0.448	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFTrDA	72629-94-8	ND	0.399	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFTeDA	376-06-7	ND	0.420	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	75.0	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C3-PFPeA	IS	75.5	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C3-PFBS	IS	92.1	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-4:2 FTS	IS	94.2	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-PFHxA	IS	79.8	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C4-PFHpA	IS	79.5	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C3-PFHxS	IS	91.1	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-6:2 FTS	IS	89.2	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C5-PFNA	IS	63.5	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C8-PFOSA	IS	58.0	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-PFOA	IS	74.2	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C8-PFOS	IS	76.8	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-PFDA	IS	58.0	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1

Sample ID: 62-2-3-6 **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 01-Mar-22 13:15

Laboratory Data

Lab Sample: 2203027-04
Date Received: 03-Mar-22 09:11
% Solids: 95.2
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	70.8	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
d3-MeFOSAA	IS	59.3	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-PFUnA	IS	57.3	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
d5-EtFOSAA	IS	61.7	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-PFDoA	IS	58.7	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-PFTeDA	IS	52.1	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1

MDL - Method Detection Limit RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 62-2-1-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 01-Mar-22 13:55

Laboratory Data

Lab Sample: 2203027-05
Date Received: 03-Mar-22 09:11
% Solids: 93.7
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.447	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFPeA	2706-90-3	ND	0.357	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFBS	375-73-5	ND	0.297	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
4:2 FTS	757124-72-4	ND	0.625	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFHxA	307-24-4	ND	0.311	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFPeS	2706-91-4	ND	0.291	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFHpA	375-85-9	ND	0.472	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFHxS	355-46-4	9.88	0.299	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
6:2 FTS	27619-97-2	ND	0.503	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFOA	335-67-1	4.84	0.262	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFHpS	375-92-8	ND	0.501	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFNA	375-95-1	ND	0.361	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFOSA	754-91-6	ND	0.555	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFOS	1763-23-1	18.3	0.629	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFDA	335-76-2	ND	0.429	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
8:2 FTS	39108-34-4	ND	0.571	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
MeFOSAA	2355-31-9	ND	0.392	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
EtFOSAA	2991-50-6	ND	0.369	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFUnA	2058-94-8	ND	0.491	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFDS	335-77-3	ND	0.235	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFDoA	307-55-1	ND	0.443	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFTrDA	72629-94-8	ND	0.394	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFTeDA	376-06-7	ND	0.415	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	73.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C3-PFPeA	IS	73.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C3-PFBS	IS	77.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-4:2 FTS	IS	109	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-PFHxA	IS	78.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C4-PFHpA	IS	77.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C3-PFHxS	IS	84.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-6:2 FTS	IS	80.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C5-PFNA	IS	74.2	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C8-PFOSA	IS	59.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-PFOA	IS	74.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C8-PFOS	IS	81.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-PFDA	IS	62.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1

Sample ID: 62-2-1-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 01-Mar-22 13:55

Laboratory Data

Lab Sample: 2203027-05
Date Received: 03-Mar-22 09:11
% Solids: 93.7
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	62.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
d3-MeFOSAA	IS	61.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-PFUnA	IS	65.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
d5-EtFOSAA	IS	67.0	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-PFDoA	IS	65.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-PFTeDA	IS	64.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 62-2-2-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 02-Mar-22 08:20

Laboratory Data

Lab Sample: 2203027-06
Date Received: 03-Mar-22 09:11
% Solids: 90.9
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.460	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFPeA	2706-90-3	ND	0.368	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFBS	375-73-5	ND	0.306	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
4:2 FTS	757124-72-4	ND	0.644	1.00		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFHxA	307-24-4	ND	0.320	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFPeS	2706-91-4	ND	0.300	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFHpA	375-85-9	ND	0.486	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFHxS	355-46-4	5.13	0.308	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
6:2 FTS	27619-97-2	ND	0.518	1.00		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFOA	335-67-1	1.87	0.270	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFHpS	375-92-8	0.659	0.516	1.00	J	B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFNA	375-95-1	ND	0.372	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFOSA	754-91-6	ND	0.572	1.00		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFOS	1763-23-1	109	0.648	1.00		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFDA	335-76-2	0.549	0.442	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
8:2 FTS	39108-34-4	ND	0.588	1.00		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
MeFOSAA	2355-31-9	ND	0.404	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
EtFOSAA	2991-50-6	ND	0.380	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFUnA	2058-94-8	ND	0.506	1.00		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFDS	335-77-3	ND	0.242	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFDoA	307-55-1	ND	0.456	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFTrDA	72629-94-8	ND	0.406	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFTeDA	376-06-7	ND	0.428	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	74.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C3-PFPeA	IS	74.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C3-PFBS	IS	85.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-4:2 FTS	IS	89.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-PFHxA	IS	78.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C4-PFHpA	IS	82.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C3-PFHxS	IS	86.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-6:2 FTS	IS	76.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C5-PFNA	IS	72.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C8-PFOSA	IS	57.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-PFOA	IS	78.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C8-PFOS	IS	81.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-PFDA	IS	61.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1

Sample ID: 62-2-2-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 02-Mar-22 08:20

Laboratory Data

Lab Sample: 2203027-06
Date Received: 03-Mar-22 09:11
% Solids: 90.9
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	75.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
d3-MeFOSAA	IS	64.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-PFUnA	IS	62.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
d5-EtFOSAA	IS	64.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-PFDoA	IS	58.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-PFTeDA	IS	63.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1

MDL - Method Detection Limit
RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 62-2-4-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 02-Mar-22 08:55

Laboratory Data

Lab Sample: 2203027-07
Date Received: 03-Mar-22 09:11
% Solids: 93.9
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.442	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFPeA	2706-90-3	ND	0.353	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFBS	375-73-5	ND	0.294	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
4:2 FTS	757124-72-4	ND	0.618	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFHxA	307-24-4	ND	0.307	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFPeS	2706-91-4	ND	0.288	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFHpA	375-85-9	ND	0.467	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFHxS	355-46-4	5.64	0.296	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
6:2 FTS	27619-97-2	ND	0.497	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFOA	335-67-1	5.52	0.259	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFHpS	375-92-8	ND	0.495	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFNA	375-95-1	ND	0.357	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFOSA	754-91-6	ND	0.549	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFOS	1763-23-1	4.59	0.622	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFDA	335-76-2	ND	0.424	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
8:2 FTS	39108-34-4	ND	0.564	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
MeFOSAA	2355-31-9	ND	0.388	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
EtFOSAA	2991-50-6	ND	0.365	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFUnA	2058-94-8	ND	0.486	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFDS	335-77-3	ND	0.232	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFDoA	307-55-1	ND	0.438	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFTrDA	72629-94-8	ND	0.390	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFTeDA	376-06-7	ND	0.411	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	77.2	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C3-PFPeA	IS	75.8	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C3-PFBS	IS	82.4	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-4:2 FTS	IS	85.9	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-PFHxA	IS	81.8	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C4-PFHpA	IS	83.8	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C3-PFHxS	IS	95.9	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-6:2 FTS	IS	87.4	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C5-PFNA	IS	75.5	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C8-PFOSA	IS	47.4	50 - 150	H	B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-PFOA	IS	80.4	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C8-PFOS	IS	83.2	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-PFDA	IS	63.5	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1

Sample ID: 62-2-4-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 02-Mar-22 08:55

Laboratory Data

Lab Sample: 2203027-07
Date Received: 03-Mar-22 09:11
% Solids: 93.9
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	77.0	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
d3-MeFOSAA	IS	64.3	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-PFUnA	IS	61.6	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
d5-EtFOSAA	IS	63.5	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-PFDoA	IS	54.8	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-PFTeDA	IS	59.2	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 68-12-2-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 02-Mar-22 10:27

Laboratory Data

Lab Sample: 2203027-08
Date Received: 03-Mar-22 09:11
% Solids: 96.2
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.78	0.447	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFPeA	2706-90-3	14.8	0.357	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFBS	375-73-5	8.88	0.297	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
4:2 FTS	757124-72-4	ND	0.625	0.971		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFHxA	307-24-4	57.2	0.311	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFPeS	2706-91-4	4.27	0.291	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFHpA	375-85-9	5.34	0.472	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFHxS	355-46-4	65.0	0.299	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
6:2 FTS	27619-97-2	20.7	0.503	0.971		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFOA	335-67-1	134	0.262	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFHpS	375-92-8	0.788	0.501	0.971	J	B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFNA	375-95-1	ND	0.361	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFOSA	754-91-6	7.56	0.555	0.971		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFOS	1763-23-1	31.0	0.629	0.971		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFDA	335-76-2	ND	0.429	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
8:2 FTS	39108-34-4	1.48	0.571	0.971		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
MeFOSAA	2355-31-9	ND	0.392	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
EtFOSAA	2991-50-6	ND	0.369	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFUnA	2058-94-8	ND	0.491	0.971		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFDS	335-77-3	ND	0.235	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFDoA	307-55-1	ND	0.443	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFTrDA	72629-94-8	ND	0.394	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFTeDA	376-06-7	ND	0.416	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	74.9	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C3-PFPeA	IS	73.8	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C3-PFBS	IS	91.0	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-4:2 FTS	IS	84.9	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-PFHxA	IS	81.3	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C4-PFHpA	IS	81.1	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C3-PFHxS	IS	86.9	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-6:2 FTS	IS	78.8	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C5-PFNA	IS	76.5	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C8-PFOSA	IS	45.3	50 - 150	H	B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-PFOA	IS	78.7	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C8-PFOS	IS	76.2	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-PFDA	IS	60.8	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1

Sample ID: 68-12-2-3 **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 02-Mar-22 10:27

Laboratory Data

Lab Sample: 2203027-08
Date Received: 03-Mar-22 09:11
% Solids: 96.2
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	69.5	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
d3-MeFOSAA	IS	58.0	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-PFUnA	IS	52.4	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
d5-EtFOSAA	IS	54.6	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-PFDoA	IS	53.6	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-PFTeDA	IS	55.7	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1

MDL - Method Detection Limit RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 68-12-2-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 02-Mar-22 10:40

Laboratory Data

Lab Sample: 2203027-09
Date Received: 03-Mar-22 09:11
% Solids: 96.9
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.54	0.448	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFPeA	2706-90-3	6.90	0.358	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFBS	375-73-5	7.87	0.298	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
4:2 FTS	757124-72-4	ND	0.627	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFHxA	307-24-4	37.3	0.312	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFPeS	2706-91-4	5.29	0.292	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFHpA	375-85-9	4.34	0.473	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFHxS	355-46-4	59.1	0.300	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
6:2 FTS	27619-97-2	2.04	0.504	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFOA	335-67-1	113	0.263	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFHpS	375-92-8	ND	0.502	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFNA	375-95-1	ND	0.362	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFOSA	754-91-6	ND	0.557	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFOS	1763-23-1	1.66	0.631	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFDA	335-76-2	ND	0.430	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
8:2 FTS	39108-34-4	ND	0.573	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
MeFOSAA	2355-31-9	ND	0.393	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
EtFOSAA	2991-50-6	ND	0.370	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFUnA	2058-94-8	ND	0.493	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFDS	335-77-3	ND	0.236	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFDoA	307-55-1	ND	0.444	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFTrDA	72629-94-8	ND	0.395	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFTeDA	376-06-7	ND	0.417	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	71.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C3-PFPeA	IS	69.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C3-PFBS	IS	83.9	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-4:2 FTS	IS	77.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-PFHxA	IS	74.9	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C4-PFHpA	IS	74.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C3-PFHxS	IS	78.5	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-6:2 FTS	IS	71.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C5-PFNA	IS	71.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C8-PFOSA	IS	44.3	50 - 150	H	B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-PFOA	IS	70.5	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C8-PFOS	IS	80.4	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-PFDA	IS	60.2	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1

Sample ID: 68-12-2-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 02-Mar-22 10:40

Laboratory Data

Lab Sample: 2203027-09
Date Received: 03-Mar-22 09:11
% Solids: 96.9
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	69.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
d3-MeFOSAA	IS	56.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-PFUnA	IS	52.1	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
d5-EtFOSAA	IS	57.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-PFDoA	IS	55.7	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-PFTeDA	IS	55.2	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 68-12-1-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 02-Mar-22 11:30

Laboratory Data

Lab Sample: 2203027-10
Date Received: 03-Mar-22 09:11
% Solids: 95.6
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.460	0.454	0.494	J	B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFPeA	2706-90-3	1.66	0.363	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFBS	375-73-5	ND	0.302	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
4:2 FTS	757124-72-4	ND	0.636	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFHxA	307-24-4	14.3	0.316	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFPeS	2706-91-4	1.09	0.296	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFHpA	375-85-9	1.45	0.480	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFHxS	355-46-4	15.6	0.304	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
6:2 FTS	27619-97-2	130	0.511	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFOA	335-67-1	7.35	0.267	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFHpS	375-92-8	3.81	0.509	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFNA	375-95-1	ND	0.367	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFOSA	754-91-6	ND	0.565	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFOS	1763-23-1	328	0.640	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFDA	335-76-2	ND	0.436	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
8:2 FTS	39108-34-4	2.89	0.581	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
MeFOSAA	2355-31-9	ND	0.399	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
EtFOSAA	2991-50-6	ND	0.375	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFUnA	2058-94-8	ND	0.500	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFDS	335-77-3	ND	0.239	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFDoA	307-55-1	ND	0.450	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFTrDA	72629-94-8	ND	0.401	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFTeDA	376-06-7	ND	0.423	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	75.7	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C3-PFPeA	IS	74.5	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C3-PFBS	IS	83.2	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-4:2 FTS	IS	80.9	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-PFHxA	IS	81.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C4-PFHpA	IS	83.5	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C3-PFHxS	IS	90.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-6:2 FTS	IS	85.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C5-PFNA	IS	81.9	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C8-PFOSA	IS	46.1	50 - 150	H	B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-PFOA	IS	79.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C8-PFOS	IS	82.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-PFDA	IS	62.1	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1

Sample ID: 68-12-1-3 **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 02-Mar-22 11:30

Laboratory Data

Lab Sample: 2203027-10
Date Received: 03-Mar-22 09:11
% Solids: 95.6
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	77.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
d3-MeFOSAA	IS	54.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-PFUnA	IS	58.7	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
d5-EtFOSAA	IS	62.4	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-PFDoA	IS	52.4	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-PFTeDA	IS	58.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1

MDL - Method Detection Limit RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 68-12-1-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 02-Mar-22 11:40

Laboratory Data

Lab Sample: 2203027-11
Date Received: 03-Mar-22 09:11
% Solids: 95.0
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.479	0.457	0.496	J	B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFPeA	2706-90-3	1.66	0.365	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFBS	375-73-5	ND	0.304	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
4:2 FTS	757124-72-4	ND	0.639	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFHxA	307-24-4	3.11	0.318	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFPeS	2706-91-4	0.463	0.298	0.496	J	B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFHpA	375-85-9	1.22	0.483	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFHxS	355-46-4	20.1	0.306	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
6:2 FTS	27619-97-2	146	0.514	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFOA	335-67-1	6.65	0.268	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFHpS	375-92-8	4.74	0.512	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFNA	375-95-1	ND	0.369	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFOSA	754-91-6	ND	0.568	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFOS	1763-23-1	238	0.643	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFDA	335-76-2	ND	0.439	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
8:2 FTS	39108-34-4	3.84	0.584	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
MeFOSAA	2355-31-9	ND	0.401	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
EtFOSAA	2991-50-6	ND	0.377	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFUnA	2058-94-8	ND	0.502	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFDS	335-77-3	ND	0.240	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFDoA	307-55-1	ND	0.453	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFTrDA	72629-94-8	ND	0.403	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFTeDA	376-06-7	ND	0.425	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	71.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C3-PFPeA	IS	68.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C3-PFBS	IS	80.7	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-4:2 FTS	IS	85.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-PFHxA	IS	75.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C4-PFHpA	IS	79.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C3-PFHxS	IS	83.1	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-6:2 FTS	IS	78.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C5-PFNA	IS	74.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C8-PFOSA	IS	43.2	50 - 150	H	B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-PFOA	IS	77.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C8-PFOS	IS	77.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-PFDA	IS	60.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1

Sample ID: 68-12-1-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid
Date Collected: 02-Mar-22 11:40

Laboratory Data

Lab Sample: 2203027-11
Date Received: 03-Mar-22 09:11
% Solids: 95.0
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	67.4	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
d3-MeFOSAA	IS	55.1	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-PFUnA	IS	52.5	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
d5-EtFOSAA	IS	58.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-PFDoA	IS	51.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-PFTeDA	IS	57.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-26
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 3/2/22
Page 1 of 1

2203027 3.4°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5425 LAB CONTACT: Jamie Fox SAMPLER(S): (PRINT) JCV
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Vista Analytical Laboratory		

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR
☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: *List of 23 analytes using US EPA Method 537, compliant with DoD Table B-15 of QSM, dated 2017, version 5.1 or later

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PFAS 537*	HOLD
	62-5-1-50-3	3/1/22	0800	S	1	1			X	
	62-9-1-6		0915		1	1			X	
	62-9-3-6		1100		1	1			X	
	62-2-3-6		1315		1	1			X	
	62-2-1-6		1355		1	1			X	
	62-2-2-6	3/2/22	0820		1	1			X	
	62-2-4-6		0855		1	1			X	
	68-12-2-3		1027		1	1			X	
	68-12-2-6		1040		1	1			X	
	68-12-1-3		1130		1	1			X	
	68-12-1-6		1140		1	1			X	

JCV

Relinquished by: (Signature)	Received by: (Signature) Justin Briseno	Date: 3/2/22	Time: 1540
Relinquished by: (Signature)	Received by: (Signature)	Date: 03/03/22	Time: 0911
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Vista Analytical Laboratory

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: ~~2202027~~ 2203027 (03/04/22) TAT Std.

Samples Arrival:	**Date/Time** 03/03/22 0911		**Initials:**		**Location:** WR-2 **Shelf/Rack:** N/A		
Delivered By:	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 3.4 (uncorrected) / **Temp °C:** 3.4 (corrected)			**Probe used:** Y / N		**Thermometer ID:** DT-3		

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Airbill — Trk # 2704 3038 0520	✓		
Shipping Documentation Present?	✓		
Shipping Container: Vista / Client / Retain / Return		Dispose	
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 03/04/22 0811	**Initials:**	**Location:** WR-2 **Shelf/Rack:** A-3	
COC Anomaly/Sample Acceptance Form completed?			—	—

Comments:

CoC/Label Reconciliation Report WO# 2203027

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2203027-01	A 62-5-1-SO-3	☑	01-Mar-22 08:00 ☑	HDPE Jar, 6 oz	Solid	
2203027-02	A 62-9-1-6	☑	01-Mar-22 09:15 ☑	HDPE Jar, 6 oz	Solid	
2203027-03	A 62-9-3-6	☑	01-Mar-22 11:00 ☑	HDPE Jar, 6 oz	Solid	
2203027-04	A 62-2-3-6	☑	01-Mar-22 13:15 ☑	HDPE Jar, 6 oz	Solid	
2203027-05	A 62-2-1-6	☑	01-Mar-22 13:55 ☑	HDPE Jar, 6 oz	Solid	
2203027-06	A 62-2-2-6	☑	02-Mar-22 08:20 ☑	HDPE Jar, 6 oz	Solid	
2203027-07	A 62-2-4-6	☑	02-Mar-22 08:55 ☑	HDPE Jar, 6 oz	Solid	
2203027-08	A 68-12-2-3	☑	02-Mar-22 10:27 ☑	HDPE Jar, 6 oz	Solid	
2203027-09	A 68-12-2-6	☑	02-Mar-22 10:40 ☑	HDPE Jar, 6 oz	Solid	
2203027-10	A 68-12-1-3	☑	02-Mar-22 11:30 ☑	HDPE Jar, 6 oz	Solid	
2203027-11	A 68-12-1-6	☑	02-Mar-22 11:40 ☑	HDPE Jar, 6 oz	Solid	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?		✓	✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		

Comments:

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None (ALL) Other

Verifed by/Date: 03/04/22

April 14, 2022

Vista Work Order No. 2203048

Mr. Vincent Robino
GSI Environmental Inc.
19200 Von Karman Avenue
Irvine, CA 92612

Dear Mr. Robino,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on March 05, 2022 under your Project Name 'Ontario Airport / 5925'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at jfox@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Jamie Fox
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2203048
Case Narrative

Sample Condition on Receipt:

Ten soil samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements.

Analytical Notes:

PFAS Isotope Dilution/LC-MSMS Method Compliant with Table B-15 of DoD QSM 5.3 (Solid)

The samples were extracted and analyzed for a selected list of PFAS using Isotope Dilution and LC-MS/MS compliant with Table B-15 of DoD QSM 5.3. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limits (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
B22C178-BLK1	B22C178-BLK1	PFAS Isotope Dilution Method	13C8-PFOSA	H	46.0
B22C178-BLK1	B22C178-BLK1	PFAS Isotope Dilution Method	d5-EtFOSAA	H	48.1
B22C178-BLK1	B22C178-BLK1	PFAS Isotope Dilution Method	13C2-PFDoA	H	45.7

H = Recovery was outside laboratory acceptance criteria.

TABLE OF CONTENTS

Case Narrative..... 1

Table of Contents..... 3

Sample Inventory..... 4

Analytical Results..... 5

Qualifiers..... 30

Certifications..... 31

Sample Receipt..... 34

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2203048-01	61W-1-1-3	04-Mar-22 08:35	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-02	61W-1-1-6	04-Mar-22 08:45	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-03	61W-1-2-3	04-Mar-22 09:15	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-04	61W-1-2-6	04-Mar-22 09:25	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-05	61W-1-3-3	04-Mar-22 10:20	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-06	61W-1-3-6	04-Mar-22 10:30	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-07	61W-1-4-3	04-Mar-22 10:50	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-08	61W-1-4-6	04-Mar-22 11:00	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-09	61W-1-5-3	04-Mar-22 11:35	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-10	61W-1-5-6	04-Mar-22 11:40	05-Mar-22 09:15	HDPE Jar, 6 oz

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid

Laboratory Data

Lab Sample: B22C178-BLK1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.230	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFPeA	2706-90-3	ND	0.184	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFBS	375-73-5	ND	0.153	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
4:2 FTS	757124-72-4	ND	0.322	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFHxA	307-24-4	ND	0.160	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFPeS	2706-91-4	ND	0.150	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFHpA	375-85-9	ND	0.243	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFHxS	355-46-4	ND	0.154	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
6:2 FTS	27619-97-2	ND	0.259	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFOA	335-67-1	ND	0.135	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFHpS	375-92-8	ND	0.258	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFNA	375-95-1	ND	0.186	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFOSA	754-91-6	ND	0.286	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFOS	1763-23-1	ND	0.324	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFDA	335-76-2	ND	0.221	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
8:2 FTS	39108-34-4	ND	0.294	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
MeFOSAA	2355-31-9	ND	0.202	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
EtFOSAA	2991-50-6	ND	0.190	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFUnA	2058-94-8	ND	0.253	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFDS	335-77-3	ND	0.121	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFDoA	307-55-1	ND	0.228	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFTrDA	72629-94-8	ND	0.203	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFTeDA	376-06-7	ND	0.214	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	80.5	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C3-PFPeA	IS	83.2	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C3-PFBS	IS	83.8	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-4:2 FTS	IS	95.2	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-PFHxA	IS	90.6	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C4-PFHpA	IS	82.3	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C3-PFHxS	IS	85.8	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-6:2 FTS	IS	90.2	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C5-PFNA	IS	67.7	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C8-PFOSA	IS	46.0	50 - 150	H	B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-PFOA	IS	87.1	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C8-PFOS	IS	90.5	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-PFDA	IS	68.3	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-8:2 FTS	IS	81.7	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1

Sample ID: Method Blank **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc. Matrix: Solid

Project: Ontario Airport / 5925

Laboratory Data

Lab Sample: B22C178-BLK1 Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d3-MeFOSAA	IS	53.0	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-PFUnA	IS	54.0	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
d5-EtFOSAA	IS	48.1	50 - 150	H	B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-PFDoA	IS	45.7	50 - 150	H	B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-PFTeDA	IS	53.1	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1

MDL - Method Detection Limit RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid

Laboratory Data

Lab Sample: B22C178-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	4.74	5.00	94.9	71 - 135		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFPeA	2706-90-3	4.59	5.00	91.8	69 - 132		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFBS	375-73-5	4.40	5.00	88.0	72 - 128		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
4:2 FTS	757124-72-4	4.62	5.00	92.5	62 - 145		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFHxA	307-24-4	4.62	5.00	92.5	70 - 132		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFPeS	2706-91-4	4.24	5.00	84.8	73 - 123		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFHpA	375-85-9	4.92	5.00	98.5	71 - 131		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFHxS	355-46-4	4.54	5.00	90.7	67 - 130		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
6:2 FTS	27619-97-2	4.29	5.00	85.8	64 - 140		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFOA	335-67-1	4.67	5.00	93.4	69 - 133		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFHpS	375-92-8	4.49	5.00	89.8	70 - 132		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFNA	375-95-1	4.36	5.00	87.2	72 - 129		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFOSA	754-91-6	4.43	5.00	88.7	67 - 137		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFOS	1763-23-1	4.00	5.00	79.9	68 - 136		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFDA	335-76-2	4.31	5.00	86.2	69 - 133		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
8:2 FTS	39108-34-4	4.66	5.00	93.2	65 - 137		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
MeFOSAA	2355-31-9	4.33	5.00	86.6	63 - 144		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
EtFOSAA	2991-50-6	4.64	5.00	92.8	61 - 139		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFUnA	2058-94-8	4.99	5.00	99.8	64 - 136		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFDS	335-77-3	3.73	5.00	74.5	59 - 134		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFDoA	307-55-1	5.53	5.00	111	69 - 135		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFTrDA	72629-94-8	5.07	5.00	101	66 - 139		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFTeDA	376-06-7	4.59	5.00	91.8	69 - 133		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.5	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C3-PFPeA	IS	92.0	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C3-PFBS	IS	101	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-4:2 FTS	IS	89.1	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-PFHxA	IS	93.1	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C4-PFHpA	IS	90.7	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C3-PFHxS	IS	97.4	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-6:2 FTS	IS	95.5	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C5-PFNA	IS	84.4	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C8-PFOSA	IS	54.2	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-PFOA	IS	83.0	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Solid

Laboratory Data

Lab Sample: B22C178-BS1
Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	101	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-PFDA	IS	78.4	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-8:2 FTS	IS	87.8	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
d3-MeFOSAA	IS	65.8	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-PFUnA	IS	63.8	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
d5-EtFOSAA	IS	58.4	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-PFDoA	IS	55.6	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-PFTeDA	IS	63.3	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1

Sample ID: 61W-1-1-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 08:35

Laboratory Data

Lab Sample: 2203048-01
Date Received: 05-Mar-22 09:15
% Solids: 97.6
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.458	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFPeA	2706-90-3	ND	0.366	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFBS	375-73-5	ND	0.305	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
4:2 FTS	757124-72-4	ND	0.641	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFHxA	307-24-4	ND	0.318	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFPeS	2706-91-4	ND	0.299	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFHpA	375-85-9	ND	0.484	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFHxS	355-46-4	ND	0.307	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
6:2 FTS	27619-97-2	ND	0.515	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFOA	335-67-1	ND	0.269	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFHpS	375-92-8	ND	0.513	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFNA	375-95-1	ND	0.370	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFOSA	754-91-6	ND	0.569	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFOS	1763-23-1	ND	0.645	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFDA	335-76-2	ND	0.440	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
8:2 FTS	39108-34-4	ND	0.585	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
MeFOSAA	2355-31-9	ND	0.402	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
EtFOSAA	2991-50-6	ND	0.378	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFUnA	2058-94-8	ND	0.504	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFDS	335-77-3	ND	0.241	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFDoA	307-55-1	ND	0.454	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFTrDA	72629-94-8	ND	0.404	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFTeDA	376-06-7	ND	0.426	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	88.5	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C3-PFPeA	IS	85.3	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C3-PFBS	IS	96.9	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-4:2 FTS	IS	81.7	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-PFHxA	IS	90.3	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C4-PFHpA	IS	85.9	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C3-PFHxS	IS	89.9	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-6:2 FTS	IS	93.8	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C5-PFNA	IS	81.4	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C8-PFOSA	IS	53.5	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-PFOA	IS	85.6	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C8-PFOS	IS	90.5	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-PFDA	IS	64.9	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1

Sample ID: 61W-1-1-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 08:35

Laboratory Data

Lab Sample: 2203048-01
Date Received: 05-Mar-22 09:15
% Solids: 97.6
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	72.2	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
d3-MeFOSAA	IS	72.1	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-PFUnA	IS	68.7	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
d5-EtFOSAA	IS	72.1	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-PFDoA	IS	61.0	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-PFTeDA	IS	69.0	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 61W-1-1-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 08:45

Laboratory Data

Lab Sample: 2203048-02
Date Received: 05-Mar-22 09:15
% Solids: 93.8
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.454	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFPeA	2706-90-3	ND	0.363	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFBS	375-73-5	ND	0.302	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
4:2 FTS	757124-72-4	ND	0.635	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFHxA	307-24-4	ND	0.316	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFPeS	2706-91-4	ND	0.296	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFHpA	375-85-9	ND	0.480	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFHxS	355-46-4	ND	0.304	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
6:2 FTS	27619-97-2	ND	0.511	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFOA	335-67-1	ND	0.266	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFHpS	375-92-8	ND	0.509	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFNA	375-95-1	ND	0.367	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFOSA	754-91-6	ND	0.564	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFOS	1763-23-1	ND	0.639	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFDA	335-76-2	ND	0.436	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
8:2 FTS	39108-34-4	ND	0.580	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
MeFOSAA	2355-31-9	ND	0.399	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
EtFOSAA	2991-50-6	ND	0.375	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFUnA	2058-94-8	ND	0.499	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFDS	335-77-3	ND	0.239	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFDoA	307-55-1	ND	0.450	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFTrDA	72629-94-8	ND	0.401	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFTeDA	376-06-7	ND	0.422	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	87.9	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C3-PFPeA	IS	90.5	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C3-PFBS	IS	102	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-4:2 FTS	IS	82.7	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-PFHxA	IS	88.8	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C4-PFHpA	IS	92.2	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C3-PFHxS	IS	87.2	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-6:2 FTS	IS	98.7	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C5-PFNA	IS	74.4	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C8-PFOSA	IS	56.7	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-PFOA	IS	87.3	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C8-PFOS	IS	98.9	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-PFDA	IS	67.6	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1

Sample ID: 61W-1-1-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 08:45

Laboratory Data

Lab Sample: 2203048-02
Date Received: 05-Mar-22 09:15
% Solids: 93.8
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	86.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
d3-MeFOSAA	IS	72.1	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-PFUnA	IS	71.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
d5-EtFOSAA	IS	68.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-PFDoA	IS	72.2	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-PFTeDA	IS	68.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 61W-1-2-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 09:15

Laboratory Data

Lab Sample: 2203048-03
Date Received: 05-Mar-22 09:15
% Solids: 96.1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.452	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFPeA	2706-90-3	ND	0.361	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFBS	375-73-5	ND	0.301	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
4:2 FTS	757124-72-4	ND	0.632	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFHxA	307-24-4	ND	0.314	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFPeS	2706-91-4	ND	0.295	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFHpA	375-85-9	ND	0.477	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFHxS	355-46-4	ND	0.302	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
6:2 FTS	27619-97-2	ND	0.509	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFOA	335-67-1	ND	0.265	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFHpS	375-92-8	ND	0.507	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFNA	375-95-1	ND	0.365	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFOSA	754-91-6	ND	0.562	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFOS	1763-23-1	ND	0.636	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFDA	335-76-2	ND	0.434	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
8:2 FTS	39108-34-4	ND	0.577	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
MeFOSAA	2355-31-9	ND	0.397	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
EtFOSAA	2991-50-6	ND	0.373	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFUnA	2058-94-8	ND	0.497	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFDS	335-77-3	ND	0.238	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFDoA	307-55-1	ND	0.448	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFTrDA	72629-94-8	ND	0.399	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFTeDA	376-06-7	ND	0.420	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	88.9	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C3-PFPeA	IS	88.3	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C3-PFBS	IS	96.6	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-4:2 FTS	IS	94.0	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-PFHxA	IS	83.5	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C4-PFHpA	IS	84.9	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C3-PFHxS	IS	90.9	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-6:2 FTS	IS	88.9	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C5-PFNA	IS	87.8	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C8-PFOSA	IS	66.6	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-PFOA	IS	88.0	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C8-PFOS	IS	96.2	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-PFDA	IS	75.7	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1

Sample ID: 61W-1-2-3 **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 09:15

Laboratory Data

Lab Sample: 2203048-03
Date Received: 05-Mar-22 09:15
% Solids: 96.1
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	85.9	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
d3-MeFOSAA	IS	74.8	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-PFUnA	IS	70.9	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
d5-EtFOSAA	IS	69.8	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-PFDoA	IS	68.7	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-PFTeDA	IS	75.4	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1

MDL - Method Detection Limit RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 61W-1-2-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 09:25

Laboratory Data

Lab Sample: 2203048-04
Date Received: 05-Mar-22 09:15
% Solids: 93.4
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.456	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFPeA	2706-90-3	ND	0.365	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFBS	375-73-5	ND	0.303	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
4:2 FTS	757124-72-4	ND	0.638	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFHxA	307-24-4	ND	0.317	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFPeS	2706-91-4	ND	0.297	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFHpA	375-85-9	ND	0.482	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFHxS	355-46-4	ND	0.305	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
6:2 FTS	27619-97-2	ND	0.513	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFOA	335-67-1	ND	0.268	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFHpS	375-92-8	ND	0.512	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFNA	375-95-1	ND	0.369	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFOSA	754-91-6	ND	0.567	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFOS	1763-23-1	ND	0.642	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFDA	335-76-2	ND	0.438	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
8:2 FTS	39108-34-4	ND	0.583	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
MeFOSAA	2355-31-9	ND	0.400	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
EtFOSAA	2991-50-6	ND	0.377	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFUnA	2058-94-8	ND	0.502	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFDS	335-77-3	ND	0.240	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFDoA	307-55-1	ND	0.452	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFTrDA	72629-94-8	ND	0.402	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFTeDA	376-06-7	ND	0.424	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	88.6	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C3-PFPeA	IS	89.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C3-PFBS	IS	95.7	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-4:2 FTS	IS	82.5	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-PFHxA	IS	89.4	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C4-PFHpA	IS	90.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C3-PFHxS	IS	91.5	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-6:2 FTS	IS	87.6	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C5-PFNA	IS	72.2	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C8-PFOSA	IS	56.9	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-PFOA	IS	81.2	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C8-PFOS	IS	93.4	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-PFDA	IS	64.2	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1

Sample ID: 61W-1-2-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 09:25

Laboratory Data

Lab Sample: 2203048-04
Date Received: 05-Mar-22 09:15
% Solids: 93.4
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	82.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
d3-MeFOSAA	IS	72.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-PFUnA	IS	70.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
d5-EtFOSAA	IS	69.1	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-PFDoA	IS	69.6	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-PFTeDA	IS	70.5	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 61W-1-3-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 10:20

Laboratory Data

Lab Sample: 2203048-05
Date Received: 05-Mar-22 09:15
% Solids: 96.1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.447	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFPeA	2706-90-3	ND	0.358	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFBS	375-73-5	ND	0.297	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
4:2 FTS	757124-72-4	ND	0.626	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFHxA	307-24-4	ND	0.311	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFPeS	2706-91-4	ND	0.292	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFHpA	375-85-9	ND	0.472	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFHxS	355-46-4	ND	0.299	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
6:2 FTS	27619-97-2	ND	0.504	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFOA	335-67-1	ND	0.262	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFHpS	375-92-8	ND	0.502	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFNA	375-95-1	ND	0.362	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFOSA	754-91-6	ND	0.556	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFOS	1763-23-1	ND	0.630	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFDA	335-76-2	ND	0.430	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
8:2 FTS	39108-34-4	ND	0.572	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
MeFOSAA	2355-31-9	ND	0.393	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
EtFOSAA	2991-50-6	ND	0.369	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFUnA	2058-94-8	ND	0.492	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFDS	335-77-3	ND	0.235	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFDoA	307-55-1	ND	0.443	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFTrDA	72629-94-8	ND	0.395	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFTeDA	376-06-7	ND	0.416	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	84.7	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C3-PFPeA	IS	85.1	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C3-PFBS	IS	84.2	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-4:2 FTS	IS	85.2	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-PFHxA	IS	82.6	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C4-PFHpA	IS	86.3	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C3-PFHxS	IS	91.3	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-6:2 FTS	IS	85.9	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C5-PFNA	IS	74.9	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C8-PFOSA	IS	65.8	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-PFOA	IS	79.8	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C8-PFOS	IS	94.1	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-PFDA	IS	73.3	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1

Sample ID: 61W-1-3-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 10:20

Laboratory Data

Lab Sample: 2203048-05
Date Received: 05-Mar-22 09:15
% Solids: 96.1
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	85.3	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
d3-MeFOSAA	IS	66.5	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-PFUnA	IS	76.0	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
d5-EtFOSAA	IS	68.8	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-PFDoA	IS	65.4	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-PFTeDA	IS	71.5	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 61W-1-3-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 10:30

Laboratory Data

Lab Sample: 2203048-06
Date Received: 05-Mar-22 09:15
% Solids: 94.0
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.445	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFPeA	2706-90-3	ND	0.356	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFBS	375-73-5	ND	0.296	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
4:2 FTS	757124-72-4	ND	0.623	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFHxA	307-24-4	ND	0.310	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFPeS	2706-91-4	ND	0.290	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFHpA	375-85-9	ND	0.470	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFHxS	355-46-4	ND	0.298	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
6:2 FTS	27619-97-2	ND	0.501	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFOA	335-67-1	ND	0.261	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFHpS	375-92-8	ND	0.499	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFNA	375-95-1	ND	0.360	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFOSA	754-91-6	ND	0.553	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFOS	1763-23-1	ND	0.627	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFDA	335-76-2	ND	0.428	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
8:2 FTS	39108-34-4	ND	0.569	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
MeFOSAA	2355-31-9	ND	0.391	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
EtFOSAA	2991-50-6	ND	0.368	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFUnA	2058-94-8	ND	0.489	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFDS	335-77-3	ND	0.234	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFDoA	307-55-1	ND	0.441	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFTrDA	72629-94-8	ND	0.393	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFTeDA	376-06-7	ND	0.414	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	85.5	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C3-PFPeA	IS	87.4	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C3-PFBS	IS	94.7	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-4:2 FTS	IS	90.3	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-PFHxA	IS	85.0	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C4-PFHpA	IS	85.4	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C3-PFHxS	IS	94.7	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-6:2 FTS	IS	84.6	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C5-PFNA	IS	78.2	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C8-PFOSA	IS	61.0	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-PFOA	IS	82.1	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C8-PFOS	IS	83.8	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-PFDA	IS	70.3	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1

Sample ID: 61W-1-3-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 10:30

Laboratory Data

Lab Sample: 2203048-06
Date Received: 05-Mar-22 09:15
% Solids: 94.0
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	86.2	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
d3-MeFOSAA	IS	74.7	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-PFUnA	IS	70.9	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
d5-EtFOSAA	IS	74.9	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-PFDoA	IS	65.3	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-PFTeDA	IS	69.1	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 61W-1-4-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 10:50

Laboratory Data

Lab Sample: 2203048-07
Date Received: 05-Mar-22 09:15
% Solids: 96.0
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.456	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFPeA	2706-90-3	ND	0.365	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFBS	375-73-5	ND	0.304	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
4:2 FTS	757124-72-4	ND	0.639	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFHxA	307-24-4	ND	0.317	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFPeS	2706-91-4	ND	0.298	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFHpA	375-85-9	ND	0.482	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFHxS	355-46-4	ND	0.306	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
6:2 FTS	27619-97-2	ND	0.514	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFOA	335-67-1	ND	0.268	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFHpS	375-92-8	ND	0.512	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFNA	375-95-1	ND	0.369	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFOSA	754-91-6	ND	0.567	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFOS	1763-23-1	ND	0.643	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFDA	335-76-2	ND	0.438	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
8:2 FTS	39108-34-4	ND	0.583	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
MeFOSAA	2355-31-9	ND	0.401	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
EtFOSAA	2991-50-6	ND	0.377	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFUnA	2058-94-8	ND	0.502	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFDS	335-77-3	ND	0.240	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFDoA	307-55-1	ND	0.452	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFTrDA	72629-94-8	ND	0.403	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFTeDA	376-06-7	ND	0.425	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.8	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C3-PFPeA	IS	84.1	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C3-PFBS	IS	92.1	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-4:2 FTS	IS	88.0	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-PFHxA	IS	85.8	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C4-PFHpA	IS	88.0	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C3-PFHxS	IS	88.2	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-6:2 FTS	IS	79.0	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C5-PFNA	IS	80.8	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C8-PFOSA	IS	60.3	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-PFOA	IS	87.0	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C8-PFOS	IS	88.0	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-PFDA	IS	74.3	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1

Sample ID: 61W-1-4-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 10:50

Laboratory Data

Lab Sample: 2203048-07
Date Received: 05-Mar-22 09:15
% Solids: 96.0
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	83.3	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
d3-MeFOSAA	IS	69.7	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-PFUnA	IS	75.2	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
d5-EtFOSAA	IS	67.4	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-PFDoA	IS	68.4	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-PFTeDA	IS	72.5	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 61W-1-4-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 11:00

Laboratory Data

Lab Sample: 2203048-08
Date Received: 05-Mar-22 09:15
% Solids: 90.5
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.442	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFPeA	2706-90-3	ND	0.354	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFBS	375-73-5	ND	0.294	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
4:2 FTS	757124-72-4	ND	0.619	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFHxA	307-24-4	ND	0.307	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFPeS	2706-91-4	ND	0.288	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFHpA	375-85-9	ND	0.467	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFHxS	355-46-4	ND	0.296	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
6:2 FTS	27619-97-2	ND	0.498	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFOA	335-67-1	ND	0.259	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFHpS	375-92-8	ND	0.496	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFNA	375-95-1	ND	0.357	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFOSA	754-91-6	ND	0.550	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFOS	1763-23-1	ND	0.623	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFDA	335-76-2	ND	0.425	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
8:2 FTS	39108-34-4	ND	0.565	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
MeFOSAA	2355-31-9	ND	0.388	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
EtFOSAA	2991-50-6	ND	0.365	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFUnA	2058-94-8	ND	0.486	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFDS	335-77-3	ND	0.233	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFDoA	307-55-1	ND	0.438	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFTrDA	72629-94-8	ND	0.390	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFTeDA	376-06-7	ND	0.411	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	84.5	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C3-PFPeA	IS	83.9	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C3-PFBS	IS	90.8	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-4:2 FTS	IS	82.6	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-PFHxA	IS	86.6	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C4-PFHpA	IS	84.3	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C3-PFHxS	IS	90.7	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-6:2 FTS	IS	88.4	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C5-PFNA	IS	70.2	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C8-PFOSA	IS	54.7	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-PFOA	IS	82.3	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C8-PFOS	IS	95.9	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-PFDA	IS	65.7	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1

Sample ID: 61W-1-4-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 11:00

Laboratory Data

Lab Sample: 2203048-08
Date Received: 05-Mar-22 09:15
% Solids: 90.5
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	78.1	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
d3-MeFOSAA	IS	73.1	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-PFUnA	IS	64.7	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
d5-EtFOSAA	IS	66.6	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-PFDoA	IS	64.3	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-PFTeDA	IS	67.3	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 61W-1-5-3

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 11:35

Laboratory Data

Lab Sample: 2203048-09
Date Received: 05-Mar-22 09:15
% Solids: 96.2
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.460	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFPeA	2706-90-3	ND	0.368	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFBS	375-73-5	ND	0.306	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
4:2 FTS	757124-72-4	ND	0.644	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFHxA	307-24-4	ND	0.320	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFPeS	2706-91-4	ND	0.300	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFHpA	375-85-9	ND	0.486	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFHxS	355-46-4	ND	0.308	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
6:2 FTS	27619-97-2	ND	0.518	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFOA	335-67-1	ND	0.270	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFHpS	375-92-8	ND	0.516	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFNA	375-95-1	ND	0.372	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFOSA	754-91-6	ND	0.572	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFOS	1763-23-1	ND	0.648	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFDA	335-76-2	ND	0.442	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
8:2 FTS	39108-34-4	ND	0.588	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
MeFOSAA	2355-31-9	ND	0.404	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
EtFOSAA	2991-50-6	ND	0.380	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFUnA	2058-94-8	ND	0.506	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFDS	335-77-3	ND	0.242	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFDoA	307-55-1	ND	0.456	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFTrDA	72629-94-8	ND	0.406	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFTeDA	376-06-7	ND	0.428	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	83.7	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C3-PFPeA	IS	85.6	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C3-PFBS	IS	92.0	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-4:2 FTS	IS	95.4	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-PFHxA	IS	84.7	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C4-PFHpA	IS	86.8	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C3-PFHxS	IS	88.8	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-6:2 FTS	IS	88.3	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C5-PFNA	IS	82.0	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C8-PFOSA	IS	64.8	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-PFOA	IS	85.0	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C8-PFOS	IS	90.2	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-PFDA	IS	72.1	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1

Sample ID: 61W-1-5-3 **PFAS Isotope Dilution Method**

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 11:35

Laboratory Data

Lab Sample: 2203048-09
Date Received: 05-Mar-22 09:15
% Solids: 96.2
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	79.4	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
d3-MeFOSAA	IS	75.0	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-PFUnA	IS	72.6	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
d5-EtFOSAA	IS	69.3	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-PFDoA	IS	70.8	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-PFTeDA	IS	68.4	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1

MDL - Method Detection Limit RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 61W-1-5-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 11:40

Laboratory Data

Lab Sample: 2203048-10
Date Received: 05-Mar-22 09:15
% Solids: 91.7
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.448	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFPeA	2706-90-3	ND	0.358	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFBS	375-73-5	ND	0.298	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
4:2 FTS	757124-72-4	ND	0.627	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFHxA	307-24-4	ND	0.311	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFPeS	2706-91-4	ND	0.292	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFHpA	375-85-9	ND	0.473	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFHxS	355-46-4	ND	0.300	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
6:2 FTS	27619-97-2	ND	0.504	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFOA	335-67-1	ND	0.263	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFHpS	375-92-8	ND	0.502	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFNA	375-95-1	ND	0.362	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFOSA	754-91-6	ND	0.557	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFOS	1763-23-1	ND	0.631	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFDA	335-76-2	ND	0.430	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
8:2 FTS	39108-34-4	ND	0.572	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
MeFOSAA	2355-31-9	ND	0.393	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
EtFOSAA	2991-50-6	ND	0.370	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFUnA	2058-94-8	ND	0.493	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFDS	335-77-3	ND	0.236	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFDoA	307-55-1	ND	0.444	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFTrDA	72629-94-8	ND	0.395	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFTeDA	376-06-7	ND	0.417	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	83.8	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C3-PFPeA	IS	81.9	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C3-PFBS	IS	95.6	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-4:2 FTS	IS	83.0	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-PFHxA	IS	87.4	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C4-PFHpA	IS	87.2	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C3-PFHxS	IS	98.8	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-6:2 FTS	IS	92.2	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C5-PFNA	IS	71.8	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C8-PFOSA	IS	50.1	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-PFOA	IS	77.9	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C8-PFOS	IS	89.2	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-PFDA	IS	66.3	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1

Sample ID: 61W-1-5-6

PFAS Isotope Dilution Method

Client Data

Name: GSI Environmental Inc.
Project: Ontario Airport / 5925
Matrix: Soil
Date Collected: 04-Mar-22 11:40

Laboratory Data

Lab Sample: 2203048-10
Date Received: 05-Mar-22 09:15
% Solids: 91.7
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	83.1	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
d3-MeFOSAA	IS	62.4	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-PFUnA	IS	67.3	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
d5-EtFOSAA	IS	65.7	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-PFDoA	IS	61.6	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-PFTeDA	IS	63.4	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-26
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 3/4/22
Page 1 of 1

2203048 3.6°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport PROJECT CONTACT: Vinnie Robino / Josh Voss GLOBAL ID:	PROJECT NO.: 5925 LAB CONTACT: Jamie Fox SAMPLER(S): (PRINT) JCV, JHN
TEL: (949) 679-1070	E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	
LABORATORY: Vista Analytical Laboratory		

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR
☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS: *List of 23 analytes using US EPA Method 537, compliant with DoD Table B-15 of QSM, dated 2017, version 5.1 or later

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PFAS 537*	HOLD
	6LW-1-1-3	3/4/22	0835	Soil	1	1			X	
	6LW-1-1-6		0845		1	1			X	
	6LW-1-2-3		0915		1	1			X	
	6LW-1-2-6		0925		1	1			X	
	6LW-1-3-3		1020		1	1			X	
	6LW-1-3-6		1030		1	1			X	
	6LW-1-4-3		1050		1	1			X	
	6LW-1-4-6		1100		1	1			X	
	6LW-1-5-3		1135		1	1			X	
	6LW-1-5-6	↓	1140	↓	1	1			X	

Relinquished by: (Signature)	Received by: (Signature) Justin Brisend	Date: 3/4/22	Time: 1545
Relinquished by: (Signature)	Received by: (Signature)	Date: 03/05/22	Time: 0915
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Vista Analytical Laboratory

Sample Log-In Checklist

Vista Work Order #: 2203048 **TAT** Std

Samples Arrival:	**Date/Time** 03/05/22 0915		**Initials:**		**Location:** WR-2 **Shelf/Rack:** N/A		
Delivered By:	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 3.6 (uncorrected)			**Probe used:** (Y) / N		**Thermometer ID:** DT-3		
Temp °C: 3.6 (corrected)							

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Airbill — Trk # 8162 8505 2930	✓		
Shipping Documentation Present?	✓		
Shipping Container: Vista / (Client) / Retain / (Return)		Dispose	
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 03/05/22 1146	**Initials:**	**Location:** WR-2 **Shelf/Rack:** A-3	
COC Anomaly/Sample Acceptance Form completed?			—	—

Comments:

CoC/Label Reconciliation Report WO# 2203048

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2203048-01	A 61W-1-1-3	☑		04-Mar-22 08:35	☑	HDPE Jar, 6 oz	Solid	
2203048-02	A 61W-1-1-6	☑		04-Mar-22 08:45	☑	HDPE Jar, 6 oz	Solid	
2203048-03	A 61W-1-2-3	☑		04-Mar-22 09:15	☑	HDPE Jar, 6 oz	Solid	
2203048-04	A 61W-1-2-6	☑		04-Mar-22 09:25	☑	HDPE Jar, 6 oz	Solid	
2203048-05	A 61W-1-3-3	☑		04-Mar-22 10:20	☑	HDPE Jar, 6 oz	Solid	
2203048-06	A 61W-1-3-6	☑		04-Mar-22 10:30	☑	HDPE Jar, 6 oz	Solid	
2203048-07	A 61W-1-4-3	☑		04-Mar-22 10:50	☑	HDPE Jar, 6 oz	Solid	
2203048-08	A 61W-1-4-6	☑		04-Mar-22 11:00	☑	HDPE Jar, 6 oz	Solid	
2203048-09	A 61W-1-5-3	☑		04-Mar-22 11:35	☑	HDPE Jar, 6 oz	Solid	
2203048-10	A 61W-1-5-6	☑		04-Mar-22 11:40	☑	HDPE Jar, 6 oz	Solid	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?		✓	✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		

Comments:

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None ALL Other

Verifed by/Date: 03/05/22

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center
Ontario, California

APPENDIX D

Soil Vapor Analytical Laboratory Reports

H&P Mobile Geochemistry Inc.

02 May 2022

Vincent Robino
GSI Environmental, Inc
19200 Von Karman Ave Suite 800
Irvine, CA 92612

H&P Project: GSI041822-SB1 Rev
Client Project: 5925 / Ontario Airport

Dear Vincent Robino:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 4/18/2022 -4/21/2022 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa Eminhizer
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H& P is approved as an Environmental Testing Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency . Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: www.handpmg.com/about/certifications. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-6-5	E204039-01	Vapor	18-Apr-22	18-Apr-22
SV-6-15	E204039-02	Vapor	18-Apr-22	18-Apr-22
SV-4-5	E204039-03	Vapor	18-Apr-22	18-Apr-22
SV-4-15	E204039-04	Vapor	18-Apr-22	18-Apr-22
EB-2022-0418	E204039-05	Vapor	18-Apr-22	18-Apr-22
SV-1-5	E204039-06	Vapor	18-Apr-22	18-Apr-22
SV-1-15	E204039-07	Vapor	18-Apr-22	18-Apr-22
SV-1-15N	E204039-08	Vapor	18-Apr-22	18-Apr-22
SV-7-5	E204039-09	Vapor	18-Apr-22	18-Apr-22
SV-7-15	E204039-10	Vapor	18-Apr-22	18-Apr-22
SV-5-5	E204039-11	Vapor	18-Apr-22	18-Apr-22
SV-5-15	E204039-12	Vapor	18-Apr-22	18-Apr-22
SV-8-5	E204039-13	Vapor	18-Apr-22	18-Apr-22
SV-8-15	E204039-14	Vapor	18-Apr-22	18-Apr-22
SV-2-5	E204043-01	Vapor	19-Apr-22	19-Apr-22
SV-2-15	E204043-02	Vapor	19-Apr-22	19-Apr-22
61W-1-9-5	E204043-03	Vapor	19-Apr-22	19-Apr-22
61W-1-9-15	E204043-04	Vapor	19-Apr-22	19-Apr-22
61W-1-2-5	E204043-05	Vapor	19-Apr-22	19-Apr-22
61W-1-2-15	E204043-06	Vapor	19-Apr-22	19-Apr-22
61W-1-7-5	E204043-07	Vapor	19-Apr-22	19-Apr-22
61W-1-7-15	E204043-08	Vapor	19-Apr-22	19-Apr-22
61W-1-7-15N	E204043-09	Vapor	19-Apr-22	19-Apr-22
SV-14-5	E204043-10	Vapor	19-Apr-22	19-Apr-22
SV-14-15	E204043-11	Vapor	19-Apr-22	19-Apr-22
SV-15-5	E204043-12	Vapor	19-Apr-22	19-Apr-22
SV-15-15	E204043-13	Vapor	19-Apr-22	19-Apr-22
SV-9-15	E204051-01	Vapor	20-Apr-22	20-Apr-22

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-9-5	E204051-02	Vapor	20-Apr-22	20-Apr-22
62-9-1-5	E204051-03	Vapor	20-Apr-22	20-Apr-22
62-9-1-5N	E204051-04	Vapor	20-Apr-22	20-Apr-22
62-9-1-15	E204051-05	Vapor	20-Apr-22	20-Apr-22
SV-3-15	E204051-06	Vapor	20-Apr-22	20-Apr-22
SV-3-5	E204051-07	Vapor	20-Apr-22	20-Apr-22
61C-8-6-SV10-15	E204051-08	Vapor	20-Apr-22	20-Apr-22
61C-8-6-SV10-5	E204051-09	Vapor	20-Apr-22	20-Apr-22
SV-11-15	E204051-10	Vapor	20-Apr-22	20-Apr-22
SV-11-5	E204051-11	Vapor	20-Apr-22	20-Apr-22
SV-12-15	E204051-12	Vapor	20-Apr-22	20-Apr-22
SV-12-5	E204051-13	Vapor	20-Apr-22	20-Apr-22
SV-13-15	E204051-14	Vapor	20-Apr-22	20-Apr-22
SV-13-5	E204051-15	Vapor	20-Apr-22	20-Apr-22
SV-16-15	E204054-01	Vapor	21-Apr-22	21-Apr-22
SV-16-5	E204054-02	Vapor	21-Apr-22	21-Apr-22
SV-17-15	E204054-03	Vapor	21-Apr-22	21-Apr-22
SV-17-5	E204054-04	Vapor	21-Apr-22	21-Apr-22
SV-18-15	E204054-05	Vapor	21-Apr-22	21-Apr-22
SV-18-5	E204054-06	Vapor	21-Apr-22	21-Apr-22
SV-19-15	E204054-07	Vapor	21-Apr-22	21-Apr-22
SV-19-5	E204054-08	Vapor	21-Apr-22	21-Apr-22
SV-19-5N	E204054-09	Vapor	21-Apr-22	21-Apr-22

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

GSI Environmental, Inc	Project:	GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number:	5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager:	Vincent Robino	02-May-22 07:29

April 18, 2022 - Batch ED2181
The percent recoveries for 1,2,3-Trichlorobenzene and Bromoform fell below the method criteria in the continuing calibration verification (CCV). Any results for these analytes may be biased low.

April 19, 2022 - Batch ED21912
The percent recoveries for Hexachlorobutadiene and Bromoform fell below the method criteria in the CCV. Any results for these analytes may be biased low.

April 20, 2022 - Batch ED22010
The percent recoveries for Hexachlorobutadiene , m,p-Xylene, o-Xylene and 1,2,3-Trichlorobenzene fell below the method criteria in the CCV. Any results for these analytes may be biased low.

April 21, 2022 - Batch ED22101
The percent recoveries for Hexachlorobutadiene , 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene fell below the method criteria in the CCV. Any results for these analytes may be biased low.

May 2, 2022
This final report has been revised to correct the project name and number.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

DETECTIONS SUMMARY

Sample ID: **SV-6-5** Laboratory ID: **E204039-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**62**	20	ug/m3	H&P 8260SV	

Sample ID: **SV-6-15** Laboratory ID: **E204039-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**280**	20	ug/m3	H&P 8260SV	

Sample ID: **SV-4-5** Laboratory ID: **E204039-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**130**	100	ug/m3	H&P 8260SV	
Trichloroethene	**490**	20	ug/m3	H&P 8260SV	

Sample ID: **SV-4-15** Laboratory ID: **E204039-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**460**	100	ug/m3	H&P 8260SV	
Carbon tetrachloride	**29**	20	ug/m3	H&P 8260SV	
Trichloroethene	**1100**	20	ug/m3	H&P 8260SV	

Sample ID: **EB-2022-0418** Laboratory ID: **E204039-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-1-5** Laboratory ID: **E204039-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**460**	100	ug/m3	H&P 8260SV	
Carbon tetrachloride	**27**	20	ug/m3	H&P 8260SV	
Trichloroethene	**730**	20	ug/m3	H&P 8260SV	

Sample ID: **SV-1-15** Laboratory ID: **E204039-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**1400**	100	ug/m3	H&P 8260SV	
Carbon tetrachloride	**54**	20	ug/m3	H&P 8260SV	

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Sample ID: **SV-1-15** Laboratory ID: **E204039-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**1900**	20	ug/m3	H&P 8260SV	

Sample ID: **SV-1-15N** Laboratory ID: **E204039-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**1300**	100	ug/m3	H&P 8260SV	
Carbon tetrachloride	**60**	20	ug/m3	H&P 8260SV	
Trichloroethene	**1700**	20	ug/m3	H&P 8260SV	

Sample ID: **SV-7-5** Laboratory ID: **E204039-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-7-15** Laboratory ID: **E204039-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**350**	200	ug/m3	H&P 8260SV	

Sample ID: **SV-5-5** Laboratory ID: **E204039-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-5-15** Laboratory ID: **E204039-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-8-5** Laboratory ID: **E204039-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-8-15** Laboratory ID: **E204039-14**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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Sample ID: **SV-2-5** Laboratory ID: **E204043-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-2-15** Laboratory ID: **E204043-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**140**	100	ug/m3	H&P 8260SV	
Trichloroethene	**71**	20	ug/m3	H&P 8260SV	

Sample ID: **61W-1-9-5** Laboratory ID: **E204043-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**340**	20	ug/m3	H&P 8260SV	

Sample ID: **61W-1-9-15** Laboratory ID: **E204043-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Carbon tetrachloride	**25**	20	ug/m3	H&P 8260SV	
Trichloroethene	**1900**	20	ug/m3	H&P 8260SV	

Sample ID: **61W-1-2-5** Laboratory ID: **E204043-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**300**	100	ug/m3	H&P 8260SV	
Carbon tetrachloride	**35**	20	ug/m3	H&P 8260SV	
Trichloroethene	**7400**	20	ug/m3	H&P 8260SV	

Sample ID: **61W-1-2-15** Laboratory ID: **E204043-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**590**	100	ug/m3	H&P 8260SV	
Chloroform	**24**	20	ug/m3	H&P 8260SV	
Trichloroethene	**11000**	20	ug/m3	H&P 8260SV	

Sample ID: **61W-1-7-5** Laboratory ID: **E204043-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**650**	100	ug/m3	H&P 8260SV	
Carbon tetrachloride	**30**	20	ug/m3	H&P 8260SV	
Trichloroethene	**5000**	20	ug/m3	H&P 8260SV	

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Sample ID: **61W-1-7-15** Laboratory ID: **E204043-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**1500**	100	ug/m3	H&P 8260SV	
Carbon tetrachloride	**64**	20	ug/m3	H&P 8260SV	
Trichloroethene	**9800**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**32**	20	ug/m3	H&P 8260SV	

Sample ID: **61W-1-7-15N** Laboratory ID: **E204043-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**1100**	100	ug/m3	H&P 8260SV	
Carbon tetrachloride	**46**	20	ug/m3	H&P 8260SV	
Trichloroethene	**7700**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**33**	20	ug/m3	H&P 8260SV	

Sample ID: **SV-14-5** Laboratory ID: **E204043-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**59**	20	ug/m3	H&P 8260SV	

Sample ID: **SV-14-15** Laboratory ID: **E204043-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-15-5** Laboratory ID: **E204043-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-15-15** Laboratory ID: **E204043-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-9-15** Laboratory ID: **E204051-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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Sample ID: **SV-9-5** Laboratory ID: **E204051-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **62-9-1-5** Laboratory ID: **E204051-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **62-9-1-5N** Laboratory ID: **E204051-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **62-9-1-15** Laboratory ID: **E204051-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-3-15** Laboratory ID: **E204051-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-3-5** Laboratory ID: **E204051-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **61C-8-6-SV10-15** Laboratory ID: **E204051-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **61C-8-6-SV10-5** Laboratory ID: **E204051-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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Sample ID: **SV-11-15** Laboratory ID: **E204051-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-11-5** Laboratory ID: **E204051-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-12-15** Laboratory ID: **E204051-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-12-5** Laboratory ID: **E204051-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-13-15** Laboratory ID: **E204051-14**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-13-5** Laboratory ID: **E204051-15**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-16-15** Laboratory ID: **E204054-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-16-5** Laboratory ID: **E204054-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**390**	200	ug/m3	H&P 8260SV	

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Sample ID: **SV-17-15** Laboratory ID: **E204054-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-17-5** Laboratory ID: **E204054-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**200**	200	ug/m3	H&P 8260SV	

Sample ID: **SV-18-15** Laboratory ID: **E204054-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**210**	200	ug/m3	H&P 8260SV	

Sample ID: **SV-18-5** Laboratory ID: **E204054-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-19-15** Laboratory ID: **E204054-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-19-5** Laboratory ID: **E204054-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-19-5N** Laboratory ID: **E204054-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-6-5 (E204039-01) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**62**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-6-5 (E204039-01) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*96.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.3 %*		*75-125*	"	"	"	"	

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Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-6-15 (E204039-02) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**280**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Volatile Organic Compounds by H&P 8260SV

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-6-15 (E204039-02) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.2 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-4-5 (E204039-03) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	**130**	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**490**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-4-5 (E204039-03) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*99.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.9 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-4-15 (E204039-04) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	**460**	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	**29**	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**1100**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-4-15 (E204039-04) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*95.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.1 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
EB-2022-0418 (E204039-05) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
EB-2022-0418 (E204039-05) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*97.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.4 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-5 (E204039-06) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	**460**	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	**27**	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**730**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-5 (E204039-06) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*115 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.0 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-15 (E204039-07) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	**1400**	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	**54**	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**1900**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-15 (E204039-07) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.1 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-15N (E204039-08) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	**1300**	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	**60**	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**1700**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-15N (E204039-08) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*97.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.7 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-7-5 (E204039-09) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-7-5 (E204039-09) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*116 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*95.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.0 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-7-15 (E204039-10) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	**350**	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-7-15 (E204039-10) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*99.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.7 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-5-5 (E204039-11) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-5-5 (E204039-11) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*96.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.7 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-5-15 (E204039-12) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-5-15 (E204039-12) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.4 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-8-5 (E204039-13) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-8-5 (E204039-13) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.9 %*		*75-125*	"	"	"	"	

H&P Mobile
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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-8-15 (E204039-14) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-8-15 (E204039-14) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-2-5 (E204043-01) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-2-5 (E204043-01) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.2 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-2-15 (E204043-02) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	**140**	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**71**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-2-15 (E204043-02) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.7 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-9-5 (E204043-03) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**340**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-9-5 (E204043-03) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.0 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-9-15 (E204043-04) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	**25**	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**1900**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-9-15 (E204043-04) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*97.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.7 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-2-5 (E204043-05) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	**300**	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	**35**	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**7400**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-2-5 (E204043-05) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*94.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.6 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-2-15 (E204043-06) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	**590**	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	**24**	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**11000**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-2-15 (E204043-06) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*95.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.5 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-7-5 (E204043-07) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	**650**	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	**30**	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**5000**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-7-5 (E204043-07) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.9 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-7-15 (E204043-08) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	**1500**	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	**64**	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**9800**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**32**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-7-15 (E204043-08) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*117 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*92.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.4 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-7-15N (E204043-09) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	**1100**	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	**46**	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**7700**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**33**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61W-1-7-15N (E204043-09) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.5 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*96.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.6 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-14-5 (E204043-10) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**59**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-14-5 (E204043-10) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.2 %*		*75-125*	"	"	"	"	

H&P Mobile
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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-14-15 (E204043-11) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-14-15 (E204043-11) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*95.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.2 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-15-5 (E204043-12) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-15-5 (E204043-12) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*115 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.1 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-15-15 (E204043-13) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-15-15 (E204043-13) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*95.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.5 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-9-15 (E204051-01) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-9-15 (E204051-01) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.2 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.2 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-9-5 (E204051-02) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-9-5 (E204051-02) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*121 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.0 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
62-9-1-5 (E204051-03) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
62-9-1-5 (E204051-03) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*92.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.0 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
62-9-1-5N (E204051-04) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
62-9-1-5N (E204051-04) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*92.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.6 %*		*75-125*	"	"	"	"	

H&P Mobile
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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
62-9-1-15 (E204051-05) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
62-9-1-15 (E204051-05) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.1 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3-15 (E204051-06) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3-15 (E204051-06) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*115 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.3 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3-5 (E204051-07) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3-5 (E204051-07) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*90.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.3 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61C-8-6-SV10-15 (E204051-08) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61C-8-6-SV10-15 (E204051-08) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*90.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.4 %*		*75-125*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61C-8-6-SV10-5 (E204051-09) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
61C-8-6-SV10-5 (E204051-09) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	IS-01
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	IS-01
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	IS-01
n-Propylbenzene	ND	100	"	"	"	"	"	"	IS-01
Bromobenzene	ND	100	"	"	"	"	"	"	IS-01
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	IS-01
2-Chlorotoluene	ND	100	"	"	"	"	"	"	IS-01
4-Chlorotoluene	ND	100	"	"	"	"	"	"	IS-01
tert-Butylbenzene	ND	100	"	"	"	"	"	"	IS-01
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	IS-01
sec-Butylbenzene	ND	100	"	"	"	"	"	"	IS-01
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	IS-01
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
n-Butylbenzene	ND	100	"	"	"	"	"	"	IS-01
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	IS-01
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	IS-01
Naphthalene	ND	20	"	"	"	"	"	"	IS-01
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
Surrogate: Dibromofluoromethane		*112 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*92.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.3 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-11-15 (E204051-10) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-11-15 (E204051-10) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	IS-01
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	IS-01
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	IS-01
n-Propylbenzene	ND	100	"	"	"	"	"	"	IS-01
Bromobenzene	ND	100	"	"	"	"	"	"	IS-01
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	IS-01
2-Chlorotoluene	ND	100	"	"	"	"	"	"	IS-01
4-Chlorotoluene	ND	100	"	"	"	"	"	"	IS-01
tert-Butylbenzene	ND	100	"	"	"	"	"	"	IS-01
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	IS-01
sec-Butylbenzene	ND	100	"	"	"	"	"	"	IS-01
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	IS-01
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
n-Butylbenzene	ND	100	"	"	"	"	"	"	IS-01
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	IS-01
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	IS-01
Naphthalene	ND	20	"	"	"	"	"	"	IS-01
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
Surrogate: Dibromofluoromethane		*119 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*99.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.3 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-11-5 (E204051-11) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-11-5 (E204051-11) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.2 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-12-15 (E204051-12) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

H&P Mobile
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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-12-15 (E204051-12) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.9 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-12-5 (E204051-13) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-12-5 (E204051-13) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.2 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-13-15 (E204051-14) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-13-15 (E204051-14) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*99.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.5 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-13-5 (E204051-15) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-13-5 (E204051-15) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*117 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.7 %*		*75-125*	"	"	"	"	

H&P Mobile
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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-16-15 (E204054-01) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-16-15 (E204054-01) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*120 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.7 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-16-5 (E204054-02) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	**390**	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-16-5 (E204054-02) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*114 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*95.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.3 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-17-15 (E204054-03) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-17-15 (E204054-03) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*119 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*99.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.4 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-17-5 (E204054-04) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	**200**	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

H&P Mobile
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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-17-5 (E204054-04) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*123 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.3 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-18-15 (E204054-05) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	**210**	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-18-15 (E204054-05) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*95.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.8 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-18-5 (E204054-06) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-18-5 (E204054-06) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*88.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.2 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-19-15 (E204054-07) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-19-15 (E204054-07) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*91.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-19-5 (E204054-08) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-19-5 (E204054-08) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*95.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.8 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-19-5N (E204054-09) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-19-5N (E204054-09) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*123 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.1 %*		*75-125*	"	"	"	"	

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED21810 - EPA 5030										
Blank (ED21810-BLK1)				Prepared & Analyzed: 18-Apr-22						
1,1-Difluoroethane (LCC)	ND	100	ug/m3							
Dichlorodifluoromethane (F12)	ND	100	"							
Chloromethane	ND	100	"							
Vinyl chloride	ND	10	"							
Bromomethane	ND	100	"							
Chloroethane	ND	100	"							
Trichlorofluoromethane (F11)	ND	100	"							
1,1-Dichloroethene	ND	100	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"							
Methylene chloride (Dichloromethane)	ND	100	"							
Methyl tertiary-butyl ether (MTBE)	ND	100	"							
trans-1,2-Dichloroethene	ND	100	"							
1,1-Dichloroethane	ND	100	"							
2,2-Dichloropropane	ND	100	"							
cis-1,2-Dichloroethene	ND	100	"							
Chloroform	ND	20	"							
Bromochloromethane	ND	100	"							
1,1,1-Trichloroethane	ND	100	"							
1,1-Dichloropropene	ND	100	"							
Carbon tetrachloride	ND	20	"							
1,2-Dichloroethane (EDC)	ND	20	"							
Benzene	ND	20	"							
Trichloroethene	ND	20	"							
1,2-Dichloropropane	ND	100	"							
Bromodichloromethane	ND	100	"							
Dibromomethane	ND	100	"							
cis-1,3-Dichloropropene	ND	100	"							
Toluene	ND	200	"							
trans-1,3-Dichloropropene	ND	100	"							
1,1,2-Trichloroethane	ND	100	"							
1,2-Dibromoethane (EDB)	ND	100	"							
1,3-Dichloropropane	ND	100	"							
Tetrachloroethene	ND	20	"							
Dibromochloromethane	ND	100	"							

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19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED21810 - EPA 5030										
Blank (ED21810-BLK1)				Prepared & Analyzed: 18-Apr-22						
Chlorobenzene	ND	20	ug/m3							
Ethylbenzene	ND	100	"							
1,1,1,2-Tetrachloroethane	ND	100	"							
m,p-Xylene	ND	100	"							
o-Xylene	ND	100	"							
Styrene	ND	100	"							
Bromoform	ND	100	"							
Isopropylbenzene (Cumene)	ND	100	"							
1,1,2,2-Tetrachloroethane	ND	100	"							
1,2,3-Trichloropropane	ND	100	"							
n-Propylbenzene	ND	100	"							
Bromobenzene	ND	100	"							
1,3,5-Trimethylbenzene	ND	100	"							
2-Chlorotoluene	ND	100	"							
4-Chlorotoluene	ND	100	"							
tert-Butylbenzene	ND	100	"							
1,2,4-Trimethylbenzene	ND	100	"							
sec-Butylbenzene	ND	100	"							
p-Isopropyltoluene	ND	100	"							
1,3-Dichlorobenzene	ND	100	"							
1,4-Dichlorobenzene	ND	100	"							
n-Butylbenzene	ND	100	"							
1,2-Dichlorobenzene	ND	100	"							
1,2-Dibromo-3-chloropropane	ND	1000	"							
1,2,4-Trichlorobenzene	ND	100	"							
Hexachlorobutadiene	ND	100	"							
Naphthalene	ND	20	"							
1,2,3-Trichlorobenzene	ND	100	"							
Surrogate: Dibromofluoromethane	*472*		*"*	*500*		*94.4*	*75-125*			
Surrogate: Toluene-d8	*480*		*"*	*500*		*95.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*459*		*"*	*500*		*91.8*	*75-125*			

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19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED21810 - EPA 5030										
LCS (ED21810-BS1)				Prepared & Analyzed: 18-Apr-22						
Dichlorodifluoromethane (F12)	3800	500	ug/m3	5000		76.9	70-130			
Vinyl chloride	5900	50	"	5000		119	70-130			
Chloroethane	6200	500	"	5000		124	70-130			
Trichlorofluoromethane (F11)	5900	500	"	5000		118	70-130			
1,1-Dichloroethene	5800	500	"	5000		116	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5500	500	"	5000		109	70-130			
Methylene chloride (Dichloromethane)	5800	500	"	5000		115	70-130			
trans-1,2-Dichloroethene	5500	500	"	5000		110	70-130			
1,1-Dichloroethane	5900	500	"	5000		118	70-130			
cis-1,2-Dichloroethene	5500	500	"	5000		109	70-130			
Chloroform	5000	100	"	5000		99.8	70-130			
1,1,1-Trichloroethane	5300	500	"	5000		107	70-130			
Carbon tetrachloride	5100	100	"	5000		101	70-130			
1,2-Dichloroethane (EDC)	5800	100	"	5000		116	70-130			
Benzene	4800	100	"	5000		95.2	70-130			
Trichloroethene	4600	100	"	5000		92.0	70-130			
Toluene	4300	1000	"	5000		85.7	70-130			
1,1,2-Trichloroethane	4700	500	"	5000		93.1	70-130			
Tetrachloroethene	4500	100	"	5000		91.0	70-130			
Ethylbenzene	5400	500	"	5000		107	70-130			
1,1,1,2-Tetrachloroethane	4500	500	"	5000		89.3	70-130			
m,p-Xylene	9900	500	"	10000		98.7	70-130			
o-Xylene	5300	500	"	5000		106	70-130			
1,1,2,2-Tetrachloroethane	5500	500	"	5000		110	70-130			
Surrogate: Dibromofluoromethane	*2760*		*"*	*2500*		*110*	*75-125*			
Surrogate: Toluene-d8	*2400*		*"*	*2500*		*96.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2440*		*"*	*2500*		*97.8*	*75-125*			

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED21912 - EPA 5030										
Blank (ED21912-BLK1)				Prepared & Analyzed: 19-Apr-22						
1,1-Difluoroethane (LCC)	ND	100	ug/m3							
Dichlorodifluoromethane (F12)	ND	100	"							
Chloromethane	ND	100	"							
Vinyl chloride	ND	10	"							
Bromomethane	ND	100	"							
Chloroethane	ND	100	"							
Trichlorofluoromethane (F11)	ND	100	"							
1,1-Dichloroethene	ND	100	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"							
Methylene chloride (Dichloromethane)	ND	100	"							
Methyl tertiary-butyl ether (MTBE)	ND	100	"							
trans-1,2-Dichloroethene	ND	100	"							
1,1-Dichloroethane	ND	100	"							
2,2-Dichloropropane	ND	100	"							
cis-1,2-Dichloroethene	ND	100	"							
Chloroform	ND	20	"							
Bromochloromethane	ND	100	"							
1,1,1-Trichloroethane	ND	100	"							
1,1-Dichloropropene	ND	100	"							
Carbon tetrachloride	ND	20	"							
1,2-Dichloroethane (EDC)	ND	20	"							
Benzene	ND	20	"							
Trichloroethene	ND	20	"							
1,2-Dichloropropane	ND	100	"							
Bromodichloromethane	ND	100	"							
Dibromomethane	ND	100	"							
cis-1,3-Dichloropropene	ND	100	"							
Toluene	ND	200	"							
trans-1,3-Dichloropropene	ND	100	"							
1,1,2-Trichloroethane	ND	100	"							
1,2-Dibromoethane (EDB)	ND	100	"							
1,3-Dichloropropane	ND	100	"							
Tetrachloroethene	ND	20	"							
Dibromochloromethane	ND	100	"							

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Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED21912 - EPA 5030										
Blank (ED21912-BLK1)				Prepared & Analyzed: 19-Apr-22						
Chlorobenzene	ND	20	ug/m3							
Ethylbenzene	ND	100	"							
1,1,1,2-Tetrachloroethane	ND	100	"							
m,p-Xylene	ND	100	"							
o-Xylene	ND	100	"							
Styrene	ND	100	"							
Bromoform	ND	100	"							
Isopropylbenzene (Cumene)	ND	100	"							
1,1,2,2-Tetrachloroethane	ND	100	"							
1,2,3-Trichloropropane	ND	100	"							
n-Propylbenzene	ND	100	"							
Bromobenzene	ND	100	"							
1,3,5-Trimethylbenzene	ND	100	"							
2-Chlorotoluene	ND	100	"							
4-Chlorotoluene	ND	100	"							
tert-Butylbenzene	ND	100	"							
1,2,4-Trimethylbenzene	ND	100	"							
sec-Butylbenzene	ND	100	"							
p-Isopropyltoluene	ND	100	"							
1,3-Dichlorobenzene	ND	100	"							
1,4-Dichlorobenzene	ND	100	"							
n-Butylbenzene	ND	100	"							
1,2-Dichlorobenzene	ND	100	"							
1,2-Dibromo-3-chloropropane	ND	1000	"							
1,2,4-Trichlorobenzene	ND	100	"							
Hexachlorobutadiene	ND	100	"							
Naphthalene	ND	20	"							
1,2,3-Trichlorobenzene	ND	100	"							
Surrogate: Dibromofluoromethane	*550*		*"*	*500*		*110*	*75-125*			
Surrogate: Toluene-d8	*483*		*"*	*500*		*96.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*418*		*"*	*500*		*83.6*	*75-125*			

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED21912 - EPA 5030										
LCS (ED21912-BS1)				Prepared & Analyzed: 19-Apr-22						
Dichlorodifluoromethane (F12)	3900	500	ug/m3	5000		77.9	70-130			
Vinyl chloride	5700	50	"	5000		113	70-130			
Chloroethane	5600	500	"	5000		112	70-130			
Trichlorofluoromethane (F11)	6300	500	"	5000		126	70-130			
1,1-Dichloroethene	5300	500	"	5000		107	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5100	500	"	5000		102	70-130			
Methylene chloride (Dichloromethane)	5000	500	"	5000		99.9	70-130			
trans-1,2-Dichloroethene	4900	500	"	5000		97.3	70-130			
1,1-Dichloroethane	5700	500	"	5000		113	70-130			
cis-1,2-Dichloroethene	5000	500	"	5000		99.9	70-130			
Chloroform	4500	100	"	5000		90.6	70-130			
1,1,1-Trichloroethane	4800	500	"	5000		96.3	70-130			
Carbon tetrachloride	4300	100	"	5000		85.5	70-130			
1,2-Dichloroethane (EDC)	5300	100	"	5000		106	70-130			
Benzene	4600	100	"	5000		92.0	70-130			
Trichloroethene	4200	100	"	5000		83.7	70-130			
Toluene	4200	1000	"	5000		83.4	70-130			
1,1,2-Trichloroethane	4300	500	"	5000		85.7	70-130			
Tetrachloroethene	3800	100	"	5000		75.7	70-130			
Ethylbenzene	5000	500	"	5000		99.5	70-130			
1,1,1,2-Tetrachloroethane	4400	500	"	5000		87.1	70-130			
m,p-Xylene	9300	500	"	10000		93.2	70-130			
o-Xylene	4900	500	"	5000		97.5	70-130			
1,1,2,2-Tetrachloroethane	5300	500	"	5000		106	70-130			
Surrogate: Dibromofluoromethane	*2550*		*"*	*2500*		*102*	*75-125*			
Surrogate: Toluene-d8	*2410*		*"*	*2500*		*96.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2130*		*"*	*2500*		*85.1*	*75-125*			

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GSI Environmental, Inc	Project: GSI041822-SB1 Rev	
19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED22010 - EPA 5030										
Blank (ED22010-BLK1)				Prepared & Analyzed: 20-Apr-22						
1,1-Difluoroethane (LCC)	ND	100	ug/m3							
Dichlorodifluoromethane (F12)	ND	100	"							
Chloromethane	ND	100	"							
Vinyl chloride	ND	10	"							
Bromomethane	ND	100	"							
Chloroethane	ND	100	"							
Trichlorofluoromethane (F11)	ND	100	"							
1,1-Dichloroethene	ND	100	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"							
Methylene chloride (Dichloromethane)	ND	100	"							
Methyl tertiary-butyl ether (MTBE)	ND	100	"							
trans-1,2-Dichloroethene	ND	100	"							
1,1-Dichloroethane	ND	100	"							
2,2-Dichloropropane	ND	100	"							
cis-1,2-Dichloroethene	ND	100	"							
Chloroform	ND	20	"							
Bromochloromethane	ND	100	"							
1,1,1-Trichloroethane	ND	100	"							
1,1-Dichloropropene	ND	100	"							
Carbon tetrachloride	ND	20	"							
1,2-Dichloroethane (EDC)	ND	20	"							
Benzene	ND	20	"							
Trichloroethene	ND	20	"							
1,2-Dichloropropane	ND	100	"							
Bromodichloromethane	ND	100	"							
Dibromomethane	ND	100	"							
cis-1,3-Dichloropropene	ND	100	"							
Toluene	ND	200	"							
trans-1,3-Dichloropropene	ND	100	"							
1,1,2-Trichloroethane	ND	100	"							
1,2-Dibromoethane (EDB)	ND	100	"							
1,3-Dichloropropane	ND	100	"							
Tetrachloroethene	ND	20	"							
Dibromochloromethane	ND	100	"							

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19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED22010 - EPA 5030										
Blank (ED22010-BLK1)				Prepared & Analyzed: 20-Apr-22						
Chlorobenzene	ND	20	ug/m3							
Ethylbenzene	ND	100	"							
1,1,1,2-Tetrachloroethane	ND	100	"							
m,p-Xylene	ND	100	"							
o-Xylene	ND	100	"							
Styrene	ND	100	"							
Bromoform	ND	100	"							
Isopropylbenzene (Cumene)	ND	100	"							
1,1,2,2-Tetrachloroethane	ND	100	"							
1,2,3-Trichloropropane	ND	100	"							
n-Propylbenzene	ND	100	"							
Bromobenzene	ND	100	"							
1,3,5-Trimethylbenzene	ND	100	"							
2-Chlorotoluene	ND	100	"							
4-Chlorotoluene	ND	100	"							
tert-Butylbenzene	ND	100	"							
1,2,4-Trimethylbenzene	ND	100	"							
sec-Butylbenzene	ND	100	"							
p-Isopropyltoluene	ND	100	"							
1,3-Dichlorobenzene	ND	100	"							
1,4-Dichlorobenzene	ND	100	"							
n-Butylbenzene	ND	100	"							
1,2-Dichlorobenzene	ND	100	"							
1,2-Dibromo-3-chloropropane	ND	1000	"							
1,2,4-Trichlorobenzene	ND	100	"							
Hexachlorobutadiene	ND	100	"							
Naphthalene	ND	20	"							
1,2,3-Trichlorobenzene	ND	100	"							
Surrogate: Dibromofluoromethane	*539*		*"*	*500*		*108*	*75-125*			
Surrogate: Toluene-d8	*498*		*"*	*500*		*99.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*454*		*"*	*500*		*90.8*	*75-125*			

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19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED22010 - EPA 5030										
LCS (ED22010-BS1)				Prepared & Analyzed: 20-Apr-22						
Dichlorodifluoromethane (F12)	4100	500	ug/m3	5000		83.0	70-130			
Vinyl chloride	5900	50	"	5000		118	70-130			
Chloroethane	5900	500	"	5000		117	70-130			
Trichlorofluoromethane (F11)	6600	500	"	5000		133	70-130			QL-1H
1,1-Dichloroethene	5900	500	"	5000		118	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5800	500	"	5000		117	70-130			
Methylene chloride (Dichloromethane)	5300	500	"	5000		107	70-130			
trans-1,2-Dichloroethene	5400	500	"	5000		107	70-130			
1,1-Dichloroethane	6100	500	"	5000		123	70-130			
cis-1,2-Dichloroethene	5200	500	"	5000		103	70-130			
Chloroform	5000	100	"	5000		99.3	70-130			
1,1,1-Trichloroethane	5700	500	"	5000		114	70-130			
Carbon tetrachloride	5400	100	"	5000		109	70-130			
1,2-Dichloroethane (EDC)	6400	100	"	5000		129	70-130			
Benzene	4700	100	"	5000		93.2	70-130			
Trichloroethene	4700	100	"	5000		94.8	70-130			
Toluene	4500	1000	"	5000		90.1	70-130			
1,1,2-Trichloroethane	5200	500	"	5000		104	70-130			
Tetrachloroethene	3800	100	"	5000		75.2	70-130			
Ethylbenzene	4400	500	"	5000		87.8	70-130			
1,1,1,2-Tetrachloroethane	4000	500	"	5000		80.1	70-130			
m,p-Xylene	8400	500	"	10000		83.5	70-130			
o-Xylene	4500	500	"	5000		90.2	70-130			
1,1,2,2-Tetrachloroethane	5700	500	"	5000		115	70-130			
Surrogate: Dibromofluoromethane	*2500*		*"*	*2500*		*100*	*75-125*			
Surrogate: Toluene-d8	*2340*		*"*	*2500*		*93.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2200*		*"*	*2500*		*88.1*	*75-125*			

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19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED22101 - EPA 5030										
Blank (ED22101-BLK1)				Prepared & Analyzed: 21-Apr-22						
1,1-Difluoroethane (LCC)	ND	100	ug/m3							
Dichlorodifluoromethane (F12)	ND	100	"							
Chloromethane	ND	100	"							
Vinyl chloride	ND	10	"							
Bromomethane	ND	100	"							
Chloroethane	ND	100	"							
Trichlorofluoromethane (F11)	ND	100	"							
1,1-Dichloroethene	ND	100	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"							
Methylene chloride (Dichloromethane)	ND	100	"							
Methyl tertiary-butyl ether (MTBE)	ND	100	"							
trans-1,2-Dichloroethene	ND	100	"							
1,1-Dichloroethane	ND	100	"							
2,2-Dichloropropane	ND	100	"							
cis-1,2-Dichloroethene	ND	100	"							
Chloroform	ND	20	"							
Bromochloromethane	ND	100	"							
1,1,1-Trichloroethane	ND	100	"							
1,1-Dichloropropene	ND	100	"							
Carbon tetrachloride	ND	20	"							
1,2-Dichloroethane (EDC)	ND	20	"							
Benzene	ND	20	"							
Trichloroethene	ND	20	"							
1,2-Dichloropropane	ND	100	"							
Bromodichloromethane	ND	100	"							
Dibromomethane	ND	100	"							
cis-1,3-Dichloropropene	ND	100	"							
Toluene	ND	200	"							
trans-1,3-Dichloropropene	ND	100	"							
1,1,2-Trichloroethane	ND	100	"							
1,2-Dibromoethane (EDB)	ND	100	"							
1,3-Dichloropropane	ND	100	"							
Tetrachloroethene	ND	20	"							
Dibromochloromethane	ND	100	"							

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Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED22101 - EPA 5030										
Blank (ED22101-BLK1)				Prepared & Analyzed: 21-Apr-22						
Chlorobenzene	ND	20	ug/m3							
Ethylbenzene	ND	100	"							
1,1,1,2-Tetrachloroethane	ND	100	"							
m,p-Xylene	ND	100	"							
o-Xylene	ND	100	"							
Styrene	ND	100	"							
Bromoform	ND	100	"							
Isopropylbenzene (Cumene)	ND	100	"							
1,1,2,2-Tetrachloroethane	ND	100	"							
1,2,3-Trichloropropane	ND	100	"							
n-Propylbenzene	ND	100	"							
Bromobenzene	ND	100	"							
1,3,5-Trimethylbenzene	ND	100	"							
2-Chlorotoluene	ND	100	"							
4-Chlorotoluene	ND	100	"							
tert-Butylbenzene	ND	100	"							
1,2,4-Trimethylbenzene	ND	100	"							
sec-Butylbenzene	ND	100	"							
p-Isopropyltoluene	ND	100	"							
1,3-Dichlorobenzene	ND	100	"							
1,4-Dichlorobenzene	ND	100	"							
n-Butylbenzene	ND	100	"							
1,2-Dichlorobenzene	ND	100	"							
1,2-Dibromo-3-chloropropane	ND	1000	"							
1,2,4-Trichlorobenzene	ND	100	"							
Hexachlorobutadiene	ND	100	"							
Naphthalene	ND	20	"							
1,2,3-Trichlorobenzene	ND	100	"							
Surrogate: Dibromofluoromethane	*459*		*"*	*500*		*91.7*	*75-125*			
Surrogate: Toluene-d8	*473*		*"*	*500*		*94.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*405*		*"*	*500*		*81.0*	*75-125*			

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Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED22101 - EPA 5030										
LCS (ED22101-BS1)				Prepared & Analyzed: 21-Apr-22						
Dichlorodifluoromethane (F12)	4100	500	ug/m3	5000		81.4	70-130			
Vinyl chloride	6300	50	"	5000		125	70-130			
Chloroethane	6100	500	"	5000		121	70-130			
Trichlorofluoromethane (F11)	7200	500	"	5000		145	70-130			QL-1H
1,1-Dichloroethene	5800	500	"	5000		116	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	6000	500	"	5000		119	70-130			
Methylene chloride (Dichloromethane)	5500	500	"	5000		110	70-130			
trans-1,2-Dichloroethene	5500	500	"	5000		111	70-130			
1,1-Dichloroethane	6000	500	"	5000		120	70-130			
cis-1,2-Dichloroethene	5100	500	"	5000		101	70-130			
Chloroform	5100	100	"	5000		103	70-130			
1,1,1-Trichloroethane	4800	500	"	5000		96.5	70-130			
Carbon tetrachloride	4300	100	"	5000		86.7	70-130			
1,2-Dichloroethane (EDC)	5400	100	"	5000		109	70-130			
Benzene	4800	100	"	5000		96.9	70-130			
Trichloroethene	5000	100	"	5000		101	70-130			
Toluene	4700	1000	"	5000		94.2	70-130			
1,1,2-Trichloroethane	5600	500	"	5000		112	70-130			
Tetrachloroethene	4300	100	"	5000		86.8	70-130			
Ethylbenzene	5000	500	"	5000		100	70-130			
1,1,1,2-Tetrachloroethane	4600	500	"	5000		92.8	70-130			
m,p-Xylene	9600	500	"	10000		95.9	70-130			
o-Xylene	4700	500	"	5000		93.3	70-130			
1,1,2,2-Tetrachloroethane	5700	500	"	5000		114	70-130			
Surrogate: Dibromofluoromethane	*2820*		*"*	*2500*		*113*	*75-125*			
Surrogate: Toluene-d8	*2540*		*"*	*2500*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1980*		*"*	*2500*		*79.2*	*75-125*			

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19200 Von Karman Ave Suite 800	Project Number: 5925 / Ontario Airport	Reported:
Irvine, CA 92612	Project Manager: Vincent Robino	02-May-22 07:29

Notes and Definitions

QL-1H	The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
IS-01	Internal standard response exceeded EPA recommended % deviation allowance. Results should be considered as estimated.
LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

All soil results are reported in wet weight.

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743 & 2745.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

H&P Mobile Geochemistry, Inc.

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VAPOR / AIR Chain of Custody

DATE: 4/18/22
Page 2 of 2
yes 1

Lab Client and Project Information

Lab Client/Consultant: GSI Environmental Inc	Project Name / #: 5925-202
Lab Client Project Manager: Vinnie Robino	Project Location: 1923 E Avion St
Lab Client Address: 19200 Von Karman Ave, 800	Report E-Mail(s): VPRobino@gsi-net.com JCVoss@gsi-net.com
Lab Client City, State, Zip: Irvine, CA 92612	
Phone Number: 949-679-6271070	

Reporting Requirements (+TL)
- [x] Standard Report [ ] Level III [ ] Level IV
- [ ] Excel EDD [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time
- [x] **Standard** (7 days for preliminary report, 10 days for final report)
- [ ] **Rush** (specify):

Sampler Information
- Sampler(s): Lex Nye
- Signature:
- Date: 4/18/22

Sample Receipt (Lab Use Only)

Date Rec'd: 4/18/22	Control #: 22025 1006
H&P Project # GSI041822-SB1	
Lab Work Order # E204039	
Sample Intact: [ ] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	Lab PM Initials:

Additional Instructions to Laboratory:

** Preferred VOC units (please choose one):*
[x] µg/L [x] µg/m³ [ ] ppbv [ ] ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [x] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [ ] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15	TPHv as Gas [ ] 8260SV/m [ ] TO-15m	Aromatic/Aliphatic Fractions [ ] 8260SV/m [ ] TO-15m	Leak Check Compound [x] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2				
SV-6-5		4/18/22	752	SV	G-S	353/359		X						X							
SV-6-15			813			362/363		X						X							
SV-4-5			832			353/359		X						X							
SV-4-15			842			362/363		X						X							
EB-2022-0418			900			353/359		X						X							
SV-1-5			922			362/363		X						X							
SV-1-15			938			353/359		X						X							
SV-1-15N			1000			362/363		X						X							
SV-7-5			1023			353/359		X						X							
SV-7-15			1050			362/363		X						X							

Approved/Relinquished by:	Company: GSI	Date: 4/18/22	Time: 1325	Received by:	Company: H&P	Date: 4/18/22	Time: 1325
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

**Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back*

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VAPOR / AIR Chain of Custody

DATE: 4/18/22

Lab Client and Project Information

Lab Client/Consultant: GSI Environmental Inc	Project Name / #: 5925-202
Lab Client Project Manager: Vinnie Robino	Project Location: 1923 E Avion St
Lab Client Address: 19200 Von Karman Ave, 800	Report E-Mail(s): VPRobino@gsi-net.com JCVoss@gsi-net.com
Lab Client City, State, Zip: Irvine, CA, 92612	
Phone Number: 949-679-1070	

Sample Receipt (Lab Use Only)

Date Rec'd: 4/18/22	Control #: 220259001.01
H&P Project # GSIC41822-SB1	
Lab Work Order # E204039	
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☑ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD: _____
☐ CA Geotracker Global ID: _____

Turnaround Time

☑ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify): _____

Sampler Information

Sampler(s): CAC, MJC
Signature:
Date: 4/18/22

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
☑ µg/L ☑ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☑ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SV/m ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SV/m ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
SV-5-5		4/18/22	1144	SV	G-S	359/353		X						X						
SV-5-15		↓	1205	↓	↓	362/363		X						X						
SV-8-5			1230			354/353		X						X						
SV-8-15			1259			362/365		X						X						

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
J. Jr	GSI	4/18/22	1325		H&P	4/18/22	1325
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

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VAPOR / AIR Chain of Custody

DATE: 4/19/22
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: GSI Environmental Inc	Project Name / #: 5925-100
Lab Client Project Manager: Vinnie Robino	Project Location: 1923 E Alton St
Lab Client Address: 19200 Von Karman Ave, 800	Report E-Mail(s): VPRobino@gsi-net.com
Lab Client City, State, Zip: Irvine, CA, 92612	
Phone Number: 949-679-1070	

Sample Receipt (Lab Use Only)

Date Rec'd: 4/19/22	Control #: 220259001
H&P Project #: GSI041822-SB1	
Lab Work Order #: E204043	
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☑ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD: _____
☐ CA Geotracker Global ID: _____

Turnaround Time

☒ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify): _____

Sampler Information

Sampler(s): [signature]
Signature: [signature]
Date: 4/19/22

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
SV-2-5		4/19/22	738	S.V	G.S	353/391		X						X						
SV-2-15			751			362/363		X						X						
GIW-1-9-5			845			362/363		X						X						
GIW-1-9-15			900			353/391		X						X						
GIW-1-12-5			923			362/363		X						X						
GIW-1-2-15			945			353/391		X						X						
GIW-1-7-5			1015			362/363		X						X						
GIW-1-7-15			1040			353/391		X						X						
GIW-1-7-15N			1055			362/363		X						X						
SV-14-5			1150			353/391		X						X						

Approved/Relinquished by: [signature]	Company: GSI ENV.	Date: 4/19/22	Time: 1324	Received by: [signature]	Company: H&P	Date: 4/19/22	Time: 1325
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

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VAPOR / AIR Chain of Custody

DATE: 4/19/22

Lab Client and Project Information

Lab Client/Consultant: GSI Environmental Inc	Project Name / #: 5925-200
Lab Client Project Manager: Vinnie Robino	Project Location: 1923 E Avon St
Lab Client Address: 19200 Von Karman Ave, 800	Report E-Mail(s): VPRobino@gsi-net.com
Lab Client City, State, Zip: Irvine, CA, 92612	
Phone Number: 949-679-1670	

Sample Receipt (Lab Use Only)

Date Rec'd: 4/19/22 Control #: 20259.001C1
H&P Project # GST041822-SB1
Lab Work Order # E204043
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: Temp:
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials:

Reporting Requirements

☑ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☑ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify):

Sampler Information

Sampler(s): COC Nse
Signature:
Date: 4/19/22

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
☐ µg/L ☑ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☒ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SV/m ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SV/m ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
SV-14-15		4/19/22	1208	S.V	G-S	352/363		X						X						
SV-15-5		↓	1235	↓	↓	353/358		X						X						
SV-15-15		↓	1300	↓	↓	362/363		X						X						

Approved/Relinquished by: Z. Li	Company: GSI Env.	Date: 4/19/22	Time: 1324	Received by:	Company: H&P	Date: 4/19/22	Time: 1325
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

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VAPOR / AIR Chain of Custody

DATE: 4/20/22
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: GSI Environmental Inc	Project Name / #: 5925-200
Lab Client Project Manager: Vinnie Robino	Project Location: 1923 E Avion St
Lab Client Address: 19200 Von Karman Ave, 800	Report E-Mail(s): VPRobino@gsi-net.com
Lab Client City, State, Zip: Irvine, CA, 92612	
Phone Number: 949-679-1070	

Sample Receipt (Lab Use Only)

Date Rec'd: 4/20/22 Control #: 22025901.01
H&P Project # GSIC41822-SB1
Lab Work Order # E204051
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: Temp:
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials:

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☒ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify):

Sampler Information

Sampler(s): J. Arellano
Signature:
Date: 04-20-22

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
☐ µg/L ☑ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☒ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
SV-9-15		4/20/22	752	SV	GS	353/359		X						X						
SV-9-5			808			362/363		X						X						
G2-9-1-5			825			87/364		X						X						
G2-9-1-5N			844			362/366		X						X						
G2-9-1-15			904			353/359		X						X						
SV-3-15			921			87/360		X						X						
SV-3-5			939			362/363		X						X						
GIC-8-6-SV10-5			956			87/364		X						X						
GIC-8-6-SV10-5			1002			353/359		X						X						
SV-11-15			1037			87/364		X						X						

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
J. A.	GSI Env.	4/20/22	1250		H&P	4/20/22	1250
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

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VAPOR / AIR Chain of Custody

DATE: 4/20/22
Page 2 of 2

Lab Client and Project Information

Lab Client/Consultant: GSI Environmental Inc	Project Name / #: 5925-200
Lab Client Project Manager: Vinnie Robino	Project Location: 1923 E Avion St
Lab Client Address: 19200 Von Karman Ave, 800	Report E-Mail(s): VRobino@gsi-net.com
Lab Client City, State, Zip: Irvine, CA, 92612	
Phone Number: 949-679-1070	

Sample Receipt (Lab Use Only)

Date Rec'd: 4/2022	Control #: 220259.001.01
H&P Project # GSI041822-SB1	
Lab Work Order # E204051	
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD: _____
☐ CA Geotracker Global ID: _____

Turnaround Time

☒ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify): _____

Sampler Information

Sampler(s): J. Arellano
Signature:
Date: 04-20-22

Additional Instructions to Laboratory:

* **Preferred VOC units (please choose one):**
☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☒ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SV-11-5		4/20/22	1052	S.V	G S	32/353		X						X					
SV-12-15		↓	1110	↓	↓	364/87		X						X					
SV-12-5			1127			35/B5		X						X					
SV-13-15			1150			364/87		X						X					
SV-13-5			1124			32/B3		X						X					

Approved/Relinquished by: E. L.	Company: GSI Env.	Date: 4/20/22	Time: 1250	Received by:	Company: H&P	Date: 4/20/22	Time: 1250
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

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VAPOR / AIR Chain of Custody

DATE: 4/21/22
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: GST Environmental Inc	Project Name / #: 5925-200
Lab Client Project Manager: Vinnie Robino	Project Location: 923 E Avion St
Lab Client Address: 9200 Von Karman Ave, Ste 800	Report E-Mail(s): VPRobino@gsi-net.com
Lab Client City, State, Zip: Irvine, CA 92612	
Phone Number: 949-679-1070	

Sample Receipt (Lab Use Only)

Date Rec'd: 4/21/22	Control #: 22059.001.01
H&P Project # GSI 041822-SB1	
Lab Work Order # E204054	
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD: _____
☐ CA Geotracker Global ID: _____

Turnaround Time

☒ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify): _____

Sampler Information

Sampler(s): J. Arellano
Signature:
Date: 04-21-22

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
☐ µg/L ☒ ~~µg/m³~~ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☒ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
SV-16-15		4/21/22	731	SV	G-S	30/33		X						X						
SV-16-5		↓	746	↓	↓	353/359		X						X						
SV-17-15			802			87/360		X						X						
SV-17-5			819			36 2B 3		X						X						
SV-18-15			841			+TO 364/87 353/360		X						X						
SV-18-5			902			87/359 353/359 9 TO		X						X						
SV-19-15			922			353/359		X						X						
SV-19-5			938			32/383		X						X						
SV-19-5N		↓	+TO 1004	1028 ↓	↓	TO 87/360 353/359		X						X						

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
E. Li	GSI Env	4/21/22	1055	[signature]	H&P	4/21/22	1055
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date: TO TR	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

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H&P Mobile Geochemistry Inc.

FMS004
Revision: 4
Revised: 3/22/2017
Effective: 3/24/2017
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GSI041822-SB1/TECH Date: 4/18/22.
Site Address: 1923 E. AVION ST Page: 1 of 2
Consultant: GSI ENVIRONMENTAL INC H&P Rep(s): LOC NGO Reviewed: DB
Consultant Rep(s): TIAM NOVIN Scanned:

Equipment Info
Inline Gauge ID#:
Pump ID#: 008

Purge Volume Information
PV Amount: 3PV
PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☑ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

Resample Key
RS = Resample
RD = for Dilution
RL = for LCC Fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	SV-6-5	353/354	100	752	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	1377	200	0
2	SV-6-15	362/363	100	813	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
3	SV-4-5	353/354	100	832	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	1377	200	0
4	SV-4-15	362/363	100	842	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
5	EB-20220418	353/354	100	906	-	-	-	-	-	-	-	-	-	-	-	-	200	-
6	SV-1-5	362/363	100	922	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	1377	200	0
7	SV-1-15	353/354	100	938	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
8	SV-1-15 N	362/363	100	1000	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1882	—	—	200	0
9	SV-7-5	353/354	100	1023	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	1377	200	0
10	SV-7-15	362/363	100	1050	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
11	SV-5-5	353/354	100	1144	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	1377	200	0
12	SV-5-15	362/363	100	1205	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
USE 11 1way valves

Mobile Geochemistry Inc.

FMS004
Revision: 4
Revised: 3/22/2017
Effective: 3/24/2017
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GSI041822-SB1/TECH Date: 4/18/22

Site Address: 1923 F AVION ST Page: 2 of 2

Consultant: GSI ENVIRONMENTAL INC. H&P Rep(s): LOC NGO

Consultant Rep(s): TIAM NOVIN Reviewed: DB

Scanned: Mom

Equipment Info
Inline Gauge ID#:
Pump ID#: 008

Purge Volume Information
PV Amount: 3 PV
PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☑ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

Resample Key
RS = Resample
RD = for Dilution
RL = for LCC Fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	SV-8-5	353/359	100	1250	5	6	1/4	6/6	2.5/3.25	6	3.25	✓	✓	2755	200	13:77	200	0
2	SV-8-15	362/363	100	1258	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:91	200	0
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
USED 2 1-WAY VALVES

H&P Mobile Geochemistry Inc.

FMS004
Revision: 4
Revised: 3/22/2017
Effective: 3/24/2017
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GSI041822-SB1/TECH Date: 4/19/22
Site Address: 1923 E AVION ST Page: 1 of 2
Consultant: GSI ENVIRONMENTAL INC H&P Rep(s): LOC NGO Reviewed: DB
Consultant Rep(s): TIAM NOUIN Scanned: Mons

Equipment Info
Inline Gauge ID#:
Pump ID#: 008

Purge Volume Information
PV Amount: 3PV
PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound ☑ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.

Resample Key
RS = Resample
RD = for Dilution
RL = for LCC Fail

	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	SV-2-5	353/359	100	738	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2758	200	1377	200	0
2	SV-2-15	362/363	100	751	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
3	61W-1-9-5	362/363	100	845	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	1377	200	0
4	61W-1-9-15	353/359	100	908	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
5	61W-1-2-5	362/363	100	925	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	1377	200	0
6	61W-1-2-15	353/359	100	945	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
7	61W-1-7-5	362/363	100	1015	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	1377	200	0
8	61W-1-7-15	353/359	100	1040	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
9	61W-1-7-15N	362/363	100	1055	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1882	—	—	200	0
10	SV-14-5	352/359	100	1130	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	1377	200	0
11	SV-14-15	362/363	100	1208	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
12	SV-15-5	352/359	100	1235	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	1377	200	0

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

H&P Mobile Geochemistry Inc.

FMS004
Revision: 4
Revised: 3/22/2017
Effective: 3/24/2017
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GSI 041822-SB1 / TECH Date: 4/19/22
Site Address: 1923 E AVION ST Page: 2 of 2
Consultant: GSI ENVIRONMENTAL INC. H&P Rep(s): LOC NGO Reviewed: DB
Consultant Rep(s): TIAM NOVIN Scanned: Thomas

Equipment Info
Inline Gauge ID#:
Pump ID#: 008

Purge Volume Information
PV Amount: 3PV
PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☑ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

Resample Key
RS = Resample
RD = for Dilution
RL = for LCC Fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	SV-15-15	~~362~~ 363	100	1300	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
USED 12 1-way valves

H&P Mobile Geochemistry Inc.

FMS004
Revision: 4
Revised: 3/22/2017
Effective: 3/24/2017
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GSI2041822-SBI/TECH
Date: 04-20-22
Site Address: 1923 FRAZIER ST
Page: 1 of 2
Consultant: GSI
H&P Rep(s): J. Arellano
Consultant Rep(s): Tian Navin
T. Le
Reviewed: DB
Scanned: Flores

Equipment Info
Inline Gauge ID#:
Pump ID#: 038/014

Purge Volume Information
PV Amount: 3PV
PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☑ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

Resample Key
RS = Resample
RD = for Dilution
RL = for LCC Fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	SV-9-15	357/359	100	0752	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	-10
2	SV-9-5	363/362	100	0808	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2757	200	13:46	200	-5
3	62-9-1-5	364/87	100	0825	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2757	200	13:46	200	0
4	62-9-1-5N	363/362	100	0844	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2653	200	—	200	0
5	62-9-1-15	357/359	100	0904	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	-15
6	SV-3-15	357/359	100	0921	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	-10
7	SV-3-5	363/362	100	0939	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2757	200	13:46	200	0
8	61C-8-6-SV10-15	363/362	100	0956	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	-10
9	61C-8-6-SV10-5	359/357	100	1012	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2757	200	13:46	200	-5
10	SV-11-15	364/87	100	1037	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	-5
11	SV-11-5	362/362	100	1052	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2757	200	13:46	200	0
12	SV-12-15	364/87	100	1110	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	0

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
*Client provided purge info
N=Rep

H&P Mobile Geochemistry Inc.

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GSI041822-SB1 Date: 20-Apr-22

Site Address: 1923 E AVION ST Page: 2 of 2

Consultant: GSI H&P Rep(s): TAN Reviewed: DB

Consultant Rep(s): TIAM NOVIN J. Arellano Scanned: Mons

Equipment Info
Inline Gauge ID#: 23
Pump ID#: ~~006~~ 078 004 200

Purge Volume Information
PV Amount: 3PV
PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☑ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

Resample Key
RS= Resample
RD = for Dillution
RL= for LCC fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	SV-12-5	353/359	100	1127	5	6	1/4	6/6	3.25/2.25	6	3.25	✓	–	2753	200	13:46	200	-15
2	SV-13-15	364/367	100	1150	15	16	1/4	12	2.25	6	2.25	–	–	1782	200	8:55	200	-5
3	SV-13-5	367/362	100	1224	5	6	1/4	6/6	3.25/2.25	6	3.25	✓	✓	2753	200	13:56	200	0
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
*Client provide probe spec/purge info

H&P Mobile Geochemistry Inc.

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GSI041822-SB1 Date: 21-Apr-22

Site Address: 1923 E AVION ST Page: 1 of 1

Consultant: GSI H&P Rep(s): J. Arellano, TAN

Consultant Rep(s): TIAM NOVIN

Reviewed: DB

Scanned: Mons

Equipment Info
Inline Gauge ID#: 23
Pump ID#: ~~006~~ 0384 0114

Purge Volume Information
PV Amount: 3PV
PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☑ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

Resample Key
RS= Resample
RD = for Dillution
RL= for LCC fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	SV-16-15	362/363	100	0731	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	0
2	SV-16-5	353/359	100	0746	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	13:46	200	0
3	SV-17-15	364/87	100	0802	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	0
4	SV-17-5	363/362	100	0819	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2759	200	13:46	200	-5
5	SV-18-15	359/353	100	0841	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	0
6	SV-18-5	364/87	100	0902	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2757	200	13:46	200	0
7	SV-19-15	353/359	100	0922	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	-20
8	SV-19-5	362/363	100	0938	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2757	200	13:46	200	-5
9	SV-19-5N	364/87	100	1004	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2857	200	-	200	-5
10	SV-19-5N RS	353/359	100	1028	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2953	200	-	200	-5
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
*Client provided purge/specs info probe